

GAGATES.—JET, BLACK AMBER.

SYNONIMES:—Ambre noir, Succin noir, Jayet, Fr.

GALL.

A mineral of a pure, deep, shining black colour, of a dense, homogenous texture, and of a massive structure, susceptible of a polish, and hard, but easily broken.

GALANGA.

SYNONIMES:—Galanga, Fr.; Galgant, GERM.; Kalkan, BOHEM.; Galange, DAN.; and DUT.; Galanga, ITAL.; and SPAN.; Galgarot, SWED.

AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FENN.; FULD.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; BRUGNATELLI.; GUIBOURT.; MURRAY and GME-LIN.; PIDERIT.; SPIELMANN.; ZARDA.

The roots of this name are employed.

1. *Galanga major*.—Great Galanga.

SYNONIMES:—Khusrudarn, ARAB.; Maha kalua, CYNG.; Khulinjan, HIND.; Languas, MAL.; Sugandha, SANS.; Pere aretei, TAM.; Dumbrastaenim, TEL.

This is a thick, hard, solid, knotty root, reddish-brown externally, but paler internally, from an inch and a half to two inches broad, branching, surrounded with circular bands, bent, of a somewhat articulated appearance, and furnished with fibrils inferiorly. It has an aromatic odour, and a warm and acrid taste.

It belongs to the *Alpinia Galanga*, WILLD., a plant originally from China. (*Monandria Monogygia*, LINN.; *Scitaminae*, JUSS.; Fig. Flore Medic. IV. 174.)

2. *Galanga minor*.—Lesser Galanga.

SYNONIMES:—Kust tulk, ARAB.; Kudakalua, CYNG.; Pankejur, DUK.; Languas Kitsjil, MAL.; Rastma, SANS.; Siltarittie, TAM.; Sanna dumprastacum, TEL.

This root much resembles the preceding, but it is considerably smaller, for its size does not exceed that of the little ginger.

It has a more penetrating aromatic odour, and a more lively taste. These differences are referable perhaps to the age of the root, which may be obtained from the same vegetable as the preceding. It may be possible however, as AINSLIE thinks, that the latter may belong to a different plant, for instance, to an *Amomum*, a *Costus*, or to several others that might be enumerated.

3. *Galanga spuria*.—Spurious Galanga.

SYNONIMES:—Chundra mula, Humula, BENG.; Thien lien, COCHIN.; Chundra mulika, SANS.; Katfjula Kelergu, TAM.

This is an analogous root to the preceding ones, but of a whitish colour, and exhaling an odour of ginger.

It belongs to the *Kæmyferia Galanga*, LINN., a plant of the East Indies. (*Monandria Monogygia*, LINN.; *Amomea*, JUSS.; Fig. Hort. Mal. II. tab. 41.)

Galanga is excitant, stomachic, and incisive.—Dose, from ten grains to a scruple.

TINCTURE OF GALANGA.

Tinctura Galange. (AMST.; BATAV.; HANN.)

R. Root of Galanga, one part.
Alcohol (0.917), six parts.
Macerate for six hours, and filter. (AMST.)

HANN. prescribes five ounces of root and two pounds of rectified spirit.—BATAV.—one part of root, and six of alcohol (15 degrees); to be digested for three days.

GALBANUM, RESINA GALBANI.—GALBANUM.

SYNONIMES:—Galbanum, Fr.; Galban, Galbanum, Mutterharz, GERM.; Galbano, ITAL.; PORT.; and SPAN.; Bar-

zud, ARAB.; Birija, HIND.; Birzud, PERS.; Galban, POL.

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

A gum resin in clear brown, semitransparent pieces of the size of a filbert, showing many white grains in their fracture; this kind is called Galbanum in tears, *Galbanum in lacrymis seu in granis*; or, in cakes of a more or less deep-brown colour, containing also white grains; this is called *Galbanum in massis*. Galbanum is friable when cold, and tenacious when warm; its consistence somewhat resembles that of wax. Its odour is strong and disagreeable; and its taste distinct, warm, and bitterish.

It has been successively analysed by NEUMANN, FIDDICHOW, MEISSNER and PELLETIER. According to the latter chemist it contains in one hundred parts, 66.86 of resin, 19.28 of gum, 6.34 of oil, 7.52 of wood and impurities, and traces of a calcareous malate. According to MEISSNER, in five hundred parts, it contains 329 of resin, 113 of gum, 9 of tragacanthine, 1 of extractive, with malic acid, 17 of oil, 10 of water, and 14 of impurities.

It is the inspissated milky juice which flows from transverse incisions made in the stem of the *Bubon Galbanum*, LINN.; a plant of Africa. (*Pentandria Digynia*, LINN.; *Umbellifera*, JUSS.; *Fig. Flore Medic. IV. 175.*)

Galbanum may be purified either by reducing it, in cold weather, to powder, and sifting it, (HANN.; OLDEN.; LUSIT.; BORUS.; SAX.; and SWEDIAUR); or, by dissolving it in vinegar (BRUNS.; HISP.), white wine or water (HISP.), and evaporating the solution; or, by softening it in alcohol, straining it through a linen cloth, and drying it slowly. (GALL.)

Galbanum is stimulant, but this property has not prevented it from being classed among the anti-spasmodics, probably on account of its disagreeable odour. Its stimulant action, as MURRAY has remarked, is more energetic than that of gum ammoniacum.

SUPPURATIVE CATAPLASM.

Cataplasma maturans. (BORIES; SPIELMANN)

R. Dried Figs, eight ounces.
Honey, two ounces.

Galbanum, triturated with Yolk of Egg, one ounce.
Water, a sufficient quantity
to make a cataplasm. (BORIES)

R. Linseed Meal, four ounces.
Galbanum, triturated with Yolk of Egg, one ounce.
Pulp of roasted Onion, two drams.
Yeast, two ounces.
Ointment of Resin, one ounce.
Oil of Lily, a sufficient quantity.
Make a cataplasm. (SPIELMANN)

COMPOUND PILLS OF GALBANUM.

Pilula Galbani composita seu gummosa seu de Gummatibus seu Hysterica seu gummosa laxativa. (LOND.; AMST.; BRUNS.; LUSIT.; SARD.; BRUGNATELLI.; SAUNDERS)

R. Galbanum, one ounce.
Myrrh, } of each, one ounce
Sagapenum, } and a half.
Assafœtida, half an ounce.
Syrup, a sufficient quantity.

Make a pilular mass. (LOND.)

R. Galbanum, } of each,
Gum Ammoniac, } one dram.
Simple Syrup, a sufficient quantity.
Make thirty pills. (SAUNDERS)

R. Galbanum, } of each,
Gum Ammoniac, } an equal part.
Sagapenum, }
Myrrh, }
Oil of Amber, a sufficient quantity
to make a mass. (SARD.)

R. Galbanum, } of each,
Opoponax, } one ounce.
Myrrh, }
Sagapenum, }
Assafœtida, half an ounce.
Syrup of Saffron, a sufficient quantity
to make a mass. (BRUGNATELLI)

R. Mass of Pills of Mastic, one ounce and a half.
Gum Ammoniac, } of each,
Galbanum, } eight scruples.
Myrrh, }
Castor, } of each, forty-eight grains.
Saffron, }
Sulphate of Potass, } of each,
Albandal Trochiscs, } sixteen scruples.
Resin of Jalap, }
Oil of Juniper, half a dram.

Make a pilular mass. (BRUNS.)

ESSENTIAL OIL OF GALBANUM. (HANN.; POL.; BORUS.; SAX.; WIRTEM.; SWEDIAUR)

R. Galbanum, one part.

Washed Sand, one part and a half.
Distil from a glass retort placed in a sand-bath; separate the oil from the white liquor which passes over with it, and rectify it. (WIRTEM.)

HANN.; POL.; BORUS.; SAX.; and SWEDIAUR direct one part of galbanum to be distilled with four parts of water. This oil is exceedingly stimulant; it was formerly employed in frictions to the abdomen, in colic and hysteria.

COMPOUND ESSENTIAL OIL OF GALBANUM.

Galbanetum Paracelsi. (HISP.; SARD.; NIEMANN)

R. Galbanum, one pound.
Gum Hedera, three ounces.
Spirit of Turpentine, half a pound.
Oil of Bay, } of each, one ounce.
Lavender, }

Digest for several days, and distil. (SARD.)

HISP. prescribes one pound each of galbanum, of gum hedera, of elemi, and of oil of bay.—NIEMANN—one pound each of galbanum, of soap, and of spirit of turpentine, six drams of supertartrate of potass, and a sufficient quantity of alcohol to dissolve the whole by aid of a gentle heat.

FETID LIQUOR.

Aqua fetida. (AUGUSTIN)

R. Galbanum, one ounce and a half.
Assafœtida, six drams.
Valerian, one ounce.
Angelica, half an ounce.
Zedoary, three drams.
Cumin, half an ounce.
Myrrh, six drams.
Mentha Crispa, one ounce.
Peppermint, } of each,
Wild Thyme, } half an ounce.
Chamomile, } two ounces.
Water, five pounds.
Proof Spirit, one pound.

Digest, and distil three pounds.

Dose, a spoonful.

TINCTURE OF GALBANUM.

Tinctura seu Essentia Galbani. (DUBL.; FULD.; HANN.; LIPP.; SAX.; COXE; HUFELAND; SWEDIAUR)

R. Galbanum, two ounces.
Proof Spirit, two pints.

Digest for seven days, and filter. (DUBL.; COXE; HUFELAND)

HANN. prescribes two ounces of galbanum, and one pound of concentrated alcohol.—SAX.—one part of galbanum, and five parts of rectified spirit.—SWEDIAUR—

two ounces of galbanum and two pounds of alcohol (0.935).—FULD.; and LIPP.—one part of galbanum and ten parts of concentrated alcohol.

It is stimulant, and is considered antispasmodic and carminative. It is prescribed as a substitute for assafœtida when that cannot be borne.

Dose, from half a dram to one dram, twice or thrice a day, in a proper vehicle.

COMPOUND TINCTURE OF GALBANUM. (AUGUSTIN)

R. Tincture of Galbanum, } of each,
Wormwood, } an
Spirit of Rosemary, } equal part.
Mix.—Dose, from forty to fifty drops, in a spoonful of water.

PLASTER OF GALBANUM.

Emplastrum Galbani simplex. (HISP.; AUGUSTIN)

R. Turpentine, five ounces.
Yellow Wax, eight ounces.

Melt together, and add

Galbanum, dissolved in vinegar and inspissated, one pound.

Mix. (HISP.)

R. Galbanum, one ounce.
Tincture of Castor, a sufficient quantity.

Mix. (AUGUSTIN)

CAMPHORATED PLASTER OF GALBANUM.

Emplastrum Galbani camphoratum. (AUGUSTIN)

R. Crocated Plaster of Galbanum, half an ounce.

Camphor, } of each,
Petroleum, } half
Subcarbonate of Ammonia, } a dram.

Mix.—For a tonic rheumatic affection.

COMPOUND PLASTER OF SPERMACETI.

Emplastrum de Spermate Ceti compositum seu Filii. (BRUNS.; PALAT.; SAX.; WIRTEM.; SPIELMANN)

R. Galbanum, } of each, one ounce.
Turpentine, }

Melt over a slow fire; then strain and incorporate it with a melted mixture of

White Wax, four ounces.
Spermaceti, two ounces.
Oil of Almonds, half an ounce.

Mix. (SPIELMANN)

R. White Wax, four ounces.

Melt it, and add to it successively

Oil of Almonds, } of each,
 Turpentine, } half an ounce.
 Spermaceti, } two ounces.
 Pulverized Galbanum, } half an ounce.

Mix perfectly. (BRUNS.; WIRTEM.)

R. White Wax, four ounces.

Having melted it, add

Spermaceti, two ounces.
 Powdered Galbanum, one ounce.

Mix. (PALAT.)

R. Spermaceti Cerate, seven parts.
 Galbanum, } of each, one part.
 Turpentine, }

Beat together. (SAX.)

It was formerly employed to soften and resolve glandular tumours; and particularly to disperse the mammary swellings of lying-in women, which were attributed to coagulation of the milk.

COMPOUND PLASTER OF GALBANUM.

Emplastrum Galbani compositum seu ammoniaco-galbaticum seu diachylum compositum seu cum Gummi seu cum Gummatibus seu gummatum, Emplastrum Ammoniaci seu commune gummosum seu Galbani saturninum seu Galbani seu de Galbano seu è Gummis resinosis seu Oxydi Plumbi semivitrei gummosum seu Oxyduli Plumbi semivitrei gummosum seu Lithargyri compositum. (LOND.; DUBL.; EDINB.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FENN.; GENEV.; OLDEN.; LUSIT.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; BRUGNATELLI; COXE; PIDERIT; SAUNDERS; SPIELMANN; SWEDIAUR; VAN MONS)

Emplastrum Galbani compositum. LOND.; and COXE.

R. Purified Galbanum, eight ounces.
 Plaster of Lead, three pounds.
 Turpentine, ten drams.
 Resin, three ounces.

Having melted together the galbanum and turpentine, mix in first the resin, and then the plaster previously melted over a slow fire, and mix the whole together.

Emplastrum gummosum. (EDINB.; and COXE).

R. Plaster of Semivitreous Oxide of Lead, eight parts.
 Gum Ammoniac, } of each,
 Galbanum, } one part.
 Yellow Wax, cut, }

Melt the plaster and wax, and the other ingredients, and mix.

Emplastrum Galbani. (DUBL.; COXE; NIEMANN)

R. Plaster of Litharge, two pounds.
 Galbanum, half a pound.
 Yellow Wax, cut, four ounces.

Having melted the galbanum, add the plaster and wax, and melt the whole together with a gentle heat.

R. Simple Plaster, sixteen hundred parts.
 Yellow Wax, } of each,
 Resin, } ninety-six parts.
 Turpentine, }

Melt together over a slow fire; then add, previously dissolved in alcohol (10 degrees), and evaporated to the consistence of honey,

Gum Ammoniac, } of each,
 Bdellium, } thirty-two parts.
 Galbanum, }
 Sagapenum, }

Mix intimately. (GALL.)

R. Simple Plaster, fifty parts.
 Yellow Wax, } of each, three parts.
 Resin, }
 Turpentine, }
 Gum Ammoniac, two parts.
 Galbanum, } of each, one part.
 Sagapenum, }

Melt the plaster in a water-bath, and add the wax; at the same time put the other substances into a pipkin with four parts of water, and when dissolved, express the mass into the liquified plaster, and stir the whole till cold. (FORM. HÔP. FR.)

R. Simple Plaster, one pound.
 Melt it slowly, and add

Gum Ammoniac, } of each,
 Galbanum, } one ounce,
 dissolved in
 Vinegar, one ounce.
 Then add
 Saffron, one dram and a half.
 Mix. (BRUNS.)

R. Simple Plaster, three pounds.
 Melt it over a slow fire, and add

Gum Ammoniac, } of each,
 Galbanum, } one ounce,
 Bdellium, }
 Sagapenum, }
 dissolved in
 White Wine, one pound.

Evaporate slowly to the consistence of honey, stirring constantly, and then to the consumption of all humidity. (HISP.)

R. Simple Plaster, two pounds.
 Yellow Wax, three ounces.
 Melt together, and before the mass becomes cold, add

Gum Ammoniac, } of each,
 Galbanum, } two ounces,
 dissolved at a slow heat in
 Venice Turpentine, four ounces.

Mix. (ANT.)

AMST. prescribes four pounds of plaster, four ounces of wax, four ounces of each of the gum resins, and three ounces of turpentine.—BATAV. and BELG.—two pounds of plaster, three ounces each, of wax, of galbanum, of gum ammoniac, and of turpentine.—OLDEN.; POL.; and BORUS.—four pounds of plaster, one part and a half of wax, and four ounces each, of gum ammoniac, of galbanum, and of turpentine.—SAX.—eight parts of plaster, one part and a half of wax, and one each, of gum ammoniac, of galbanum, and of turpentine.—FERR.—five pounds of plaster, nine ounces of wax, four of gum ammoniac, two of galbanum, and six of turpentine.

R. Simple Plaster, four pounds and a half.
 Melt slowly, and add gradually a liquified mixture of

Galbanum, one pound.
 Turpentine, six ounces.

In which there has been previously incorporated

Olibanum, six ounces.

Mix. (GENEV.)

R. Mucilage of Marshmallows, } of each,
 ———— Linseed, } four
 ———— the inner Bark } ounces
 of Elm, } and
 ———— Fenugreek, } a half.
 Oil of Chamomile, } of each,
 ———— Lily, } one ounce and
 ———— Dill, } a half.

Melt together, and add

Gum Ammoniac, }
 Galbanum, } of each,
 Opopanax, } half an ounce,
 Sagapenum, }
 dissolved in

Turpentine, two ounces.

Finally add

Wax, twenty ounces.
 Pulverized Saffron, two ounces.

Mix. (PALAT.)

The absence of simple plaster renders this formula remarkable.

R. Simple Plaster, twenty-four parts.
 Yellow Wax, one part.

Melt together, and incorporate it well with a slightly warmed mixture of

Gum Ammoniac, }
 Galbanum, } of each, two parts.
 Sagapenum, }
 Turpentine, one part.

Mix. (VAN MONS)

R. Simple Plaster, twenty-four ounces.
 Yellow Wax, four ounces.

Melt together, and add

Turpentine, two ounces.
 Gum Ammoniac, in powder, four ounces.

Terra Orleana, dissolved in one ounce of Alcohol, three ounces.

Mix. (MIL. COPEN.)

R. Simple Plaster, twelve parts.
 Yellow Wax, one part and a half.

Melt, and add

Turpentine, one part

When the mass is nearly cold, add to it finally

Pulverized Gum Ammoniac, } of each,
 ———— Galbanum, } one part.

Mix. (BAVAR.)

R. Simple Plaster, twenty-four ounces.
 Yellow Wax, four ounces.

Add to the melted mixture

Venice Turpentine,
 Powdered Gum Ammoniac, } of each,
 ———— Galbanum, } one ounce,
 ———— Opopanax,
 ———— Sagapenum,

and when the mass is nearly cold,

Powdered Saffron, two drams.

Mix intimately. (SPIELMANN)

SARD. prescribes four pounds and a half of plaster, four ounces each, of wax and of turpentine, one ounce and a half each, of gum ammoniac, of galbanum, of bdellium, and of sagapenum, and two drams of saffron.—DAN.—two pounds of plaster, four ounces of wax, two ounces each, of turpentine, of galbanum, and of gum ammoniac, and two drams of saffron digested in alcohol.—SWEDIAUR.—one pound of plaster, and one ounce each, of gum ammoniac, galbanum, and of turpentine.—FENN.—half a pound of plaster, and one ounce each, of wax, of galbanum, and of gum ammoniac.

R. Simple Plaster, two pounds.

Melt it over a slow fire, and add to it, constantly stirring,

Pulverized Gum Ammoniac, } of each,
 ———— Galbanum, } two
 Turpentine, } ounces,

previously melted together, and mix well. (ROSS.)

BRUGNATELLI prescribes five pounds of plaster, eight ounces of wax, four ounces each, of galbanum and of gum ammoniac, and five ounces of turpentine.—PIDERIT— one pound of plaster, one ounce of each of the gum resins, and four ounces of turpentine.—LIPP. directs to be mixed together, one pound of melted plaster, and a melted mixture of one ounce each, of galbanum and of gum ammoniac, and four ounces of turpentine.

VAN MONS directs one part of galbanum, and one and a half of yellow wax to be melted together, and left in digestion for one hour; then to be strongly expressed, and six parts of simple plaster added.

R. Simple Plaster, two pounds.
Gum Ammoniac, six ounces.
Yellow Wax, three ounces.

Melt very slowly together. (LUSIT.)

R. Galbanum, one ounce and a half.
Simple Plaster, half an ounce.

Melt together. (SAUNDERS; SWEDIAUR)

This plaster is reputed warming and irritant.

It is not unlikely that when the necessity shall be sufficiently understood, of purging our pharmacopœias of empirical formulæ, that, in place of such useless lumber as the mass of the above recipes form, some plaster similar to that of the last formula will be adopted. It is difficult to see the use of the oleo-margarate of lead in these compounds, and perhaps PALAT. and FULD. have done well in suppressing it in the formulæ they prescribe.

COMPOUND PLASTER OF GUMS. (MIL. COPEN.)

R. Compound Plaster of } of each,
Galbanum, } half
Mellot Plaster, } an ounce.
Camphor, in powder, } half a dram.
Knead well together.

DIAPHORETIC PLASTER.

Emplastrum diaphoreticum Mynsichti.
(BRUNS.; PALAT.; SARD.; WIRTEM.; SPIELMANN; VAN MONS)

R. Yellow Wax, eleven ounces.
Resin, four ounces.
Turpentine, two ounces.

Melt together and add

Pulverized Amber, three ounces.
Bdellium, four ounces.
Gum Ammoniac, two ounces.
Sandarac, } of each,
Galbanum, } one ounce.
Mastic, } of each,
Olibanum, } half an ounce.

Mix. (BRUNS.; PALAT.; WIRTEM.; SPIELMANN)

R. Yellow Wax, twelve parts.
Resin, four parts.

Melt, strain, and add to the mass when half cold, the following substances melted slowly together,

Turpentine, four parts.
Gum Ammoniac, two parts.
Galbanum, one part.

Add when the mass is nearly cold,

Pulverized Myrrh, four parts.
Amber, three parts.
Juniper, two parts.
Olibanum, } of each,
Mastic, } one part.

Mix. (SAX.)

R. Resin, one pound.
Turpentine, six ounces.
Sandarac, four ounces.
Gum Ammoniac, } of each,
Galbanum, } three ounces.
Sulphur, two ounces.

Melt the resins, and gums with the turpentine over a slow fire, and when the mass is nearly cold, add to it the pulverized sulphur. (SARD.)

R. Yellow Wax, twelve parts.
Elemi, one part.

Strain the melted mass, and incorporate it with a slightly warmed mixture of

Sagapenum, one part.
Gum Ammoniac, two parts.
Turpentine, three parts.

Then add

Pulverized Bdellium, } of each,
Amber, } four parts.

Mix. (VAN MONS)

It is stimulant, resolvent and corroborant.—It was formerly much extolled in cases of cedema and luxations.

RED PLASTER. (NIEMANN)

R. Yellow Wax, } of each,
Resin, } sixteen ounces.

Melt over a slow fire, and add,

Terra Orleana, triturated } of each,
with half an ounce of } four
alcohol, } ounces.
Galbanum, }

Mix.

TROMMSDORF has proposed to substitute this plaster for the following.

CROCATED PLASTER OF GALBANUM.

Emplastrum de Galbano crocatum seu Croci sativi compositum seu Oxycroceum.
(AMST.; ANT.; BRUNS.; HISP.; FULD.; GENEV.; HANN.; HASS.; LIPP.; PALAT.; SAX.; SARD.; WIRTEM.; NIE-

MANN; PIDERIT; SPIELMANN; VAN MONS)

R. Yellow Wax, eight ounces.
Mutton Suet, four ounces.
Olive Oil, one pound.

Melt together slowly and add

Pulverized Galbanum, one pound.

Strain the mass through a linen cloth while hot, and when it has nearly cooled, add to it

Saffron, triturated with alcohol,
one ounce and a half.

Mix. (NIEMANN)

FULD. directs eight ounces of Galbanum, dissolved in wine and inspissated, two ounces each of stag's suet and of olive oil, and four ounces of yellow wax, to be melted together; then withdrawn from the fire, and one ounce of pulverized saffron added.

R. Gum Ammoniac, } of each,
Galbanum, } four ounces.
Venice Turpentine, } eight ounces.

Melt over a slow fire, strain, and add

Pulverized Saffron, two ounces.

Mix and add immediately a half cold mixture of

Yellow Wax, one pound.
Resin, two pounds.

Add finally

Pulverized Mastic, } of each,
Myrrh, } four ounces.
Sandarac, }

Make a plaster. (ANT.)

R. Resin, } of each,
Ship-builders Pitch, } one pound.
Yellow Wax, }

Turpentine, } of each, four ounces.
Galbanum, }

Mastic, } of each, two ounces.
Saffron, }
Myrrh, }
Olibanum, }

Melt together the first five ingredients, then add the mastic, myrrh, and olibanum, in powder, and finally the saffron. (SARD.)

NIEMANN prescribes half a pound each, of wax, of pitch, of resin, and of turpentine, and two ounces each of galbanum, of mastic, of gum ammoniac, of saffron, of myrrh, and of olibanum.

R. Resin, } of each,
Burgundy Pitch, } four ounces.
Yellow Wax, }

Gum Ammoniac, } of each,
Galbanum, } one dram.
Turpentine, }

Dissolve the gum resins in vinegar, evaporate the solution to the consistence of honey, and mix it with the turpentine; then melt together the pitch, wax, and

resin, and add to the mixture when half cold, the gum, and finally,

Pulverized Olibanum, } of each,
Mastic, } eleven drams.
Saffron, }

Mix. (GENEV.)

R. Resin, } of each, three parts.
Yellow Wax, }

Melt over a slow fire, and add when nearly cold, a mixture of

Galbanum, one part and a half.
Turpentine, one part.

Melt slowly together, and add again Saffron, triturated with Alcohol,
one part.

Mix. (SAX.)

R. Wax, sixteen ounces.
Pitch, } of each, twelve ounces.
Resin, }

Turpentine, four ounces.

Having melted and strained these, add

Powdered Galbanum, } of each,
Gum Ammo- } four ounces.
niac, }
Myrrh, }
Olibanum, }
Mastic, }

And when nearly cold

Powdered Saffron, one ounce.

Mix. (SIELMANN)

HANN. prescribes one pound each, of wax, of pitch, and of resin, four ounces of turpentine, two ounces each, of the five powders, and one ounce of saffron.—BRUNS.; PALAT.; and WIRTEM. give the same formula as HANN.; but carry the quantity of saffron to four ounces.

R. Pulverized Saffron, one part and a half.

Macerate it at a moderate heat in

Gum Ammoniac, } of each,
Galbanum, } two parts.

Then add

Turpentine } of each, two parts.
Mastic, }
Myrrh, }
Olibanum, }

After the incorporation, add a melted mixture of

Yellow Wax, six parts.
Resin, twelve parts.

Mix. (VAN MONS)

R. Galbanum, half a pound.
Venice Turpentine, one pound.

Melt together, strain through a linen cloth, and add

Simple plaster, half a pound.
previously melted with

Yellow Wax, half an ounce.

Then add

Saffron, triturated with a few drops of Alcohol, six drams.

Mix. (HASS.)

PIDERIT prescribes six drams of galbanum, one ounce of turpentine, six ounces of melilot plaster, one ounce of wax, and six drams of saffron.—AMST.—one pound of galbanum, four ounces of turpentine, one pound of simple plaster, half a pound of wax, and one ounce and a half of saffron.

R. Yellow Wax, } of each,
Turpentine, } one ounce.
Melilot Plaster, six ounces.

Add to these slowly melted together,
Powdered Galbanum, six ounces.
Saffron triturated with Alcohol, one ounce.

Mix. (LIPP.)

R. Melilot Plaster, } of each,
Simple Plaster } three ounces.
Yellow Wax, } two ounces.
Turpentine, } one ounce.
Powdered Galbanum, six ounces.

Melt together, and add when nearly cold
Powdered Saffron, six ounces.

Stir till perfectly cold. (SPIELMANN)

R. Galbanum, dissolved } of each,
in Vinegar, } three ounces.
Melilot Plaster, }
Simple Plaster, }
Wax, } of each, one ounce.
Turpentine, }
Powdered Saffron, six drams.

Make a plaster. (BRUNS.; PALAT.; SARD.; WIRTEM.; NIEMANN)

HISP. prescribes six ounces of galbanum, four of each of the two plasters, two of wax, one of turpentine, and six drams of saffron.—HANN.—six ounces of galbanum, three of each of the two plasters, two of wax, one of turpentine, and six drams of saffron.

It is stimulant, and resolvent.—The first formula is the only reasonable one.

ANTI-HYSTERIC PLASTER.

Emplastrum fatidum seu anti-hystericum seu matricale seu Assafetida matricale seu Galbani roborans, Scutum pro Umbilico. (EDINB.; AMER.; BRUNS.; DAN.; FENN.; PALAT.; SARD.; SUEC.; WIRTEM.; AUGUSTIN; CADET DE GASSICOURT; COXE; VAN MONS)

Emplastrum Assafetide. (EDINB.; AMER.; and COXE)

R. Plaster of Semivitreous Oxide of Lead, } of each,
Assafetida, } two parts.

Galbanum, } of each,
Yellow Wax, } one part.

Mix.

R. Galbanum, } of each, two drams.
Assafetida, }
Tincture of Castor, a sufficient quantity.

Mix. (HISP.)

R. Yellow Wax, four parts.
Olive Oil, one part.
Resin, one half part.

Add to the melted mixture when half cold

Powdered Galbanum, } of each,
Assafetida, } two parts.

Mix. (FENN.; SUEC.)

R. Galbanum, } of each, two parts.
Assafetida, }
Olibanum, }
Yellow Wax, } three parts.

Melt over a slow fire for two hours, constantly stirring, and express strongly. (VAN MONS)

R. Galbanum, three ounces.
Tacamahaca, } of each, one
White Wax, } ounce and a half.
Venice Turpentine, }
Cumin, in powder, }

Make a plaster. (AUGUSTIN; CADET DE GASSICOURT)

R. Galbanum, twelve ounces.
Tacamahaca, } of each, six ounces.
Yellow Wax, }
Assafetida, } of each,
Venice Turpentine, } four ounces.
Cumin, in powder, }

Make a plaster. (BRUNS.; DAN.)

R. Galbanum, } of each, one ounce.
Sagapenum, }
Assafetida, } half an ounce.
Vinegar of Rue, a sufficient quantity,
to dissolve the gum resins; evaporate the solution slowly, and add

Turpentine, one ounce.
Melted Wax, three ounces.
Powdered Myrrh, half an ounce.
Castor, one dram.
Fetid Oil of Amber, half a dram.

Mix. (SARD.)

PALAT.; and WIRTEM. prescribe one ounce and a half each of galbanum, of sagapenum, and of assafetida, and a sufficient quantity of vinegar of rue to form them into a paste, one ounce and a half of turpentine, four ounces of yellow wax, one ounce of myrrh, one dram of castor, one scruple of oil of angelica, and one scruple of oil of amber.

R. Turpentine, two ounces.
Yellow Wax, eight ounces.

Melt over a slow fire, strain, and add

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Galbanum, dissolved in Vinegar and evaporated to the consistence of a soft extract, three ounces.

Add to the mixture when half cold,

Olibanum,	} of each, one ounce.
Assafoetida,	
Myrrh,	half an ounce.
Resin,	six drams.
Castor,	} of each, three drams.
Cumin Seeds,	
Oil of Amber,	two drams.

Mix. (HISP.)

This plaster is applied, on leather, to the pit of the stomach.

PLASTER AGAINST COLIC.

Emplastrum anti-colicum. (NIEMANN; PIDERIT)

R. Crocated Plaster of Galbanum, four ounces.

Melt it over a slow fire, and add to it a melted mixture of

Assafoetida,	} of each, one ounce.
Turpentine,	

When incorporated, add

Empyreumatic Oil of Hartshorn,	} of each, one dram.
Oil of Peppermint,	

Mix. (PIDERIT)

R. Crocated Plaster of Galbanum, one ounce.
Assafoetida, two drams.
Oil of Peppermint, one scruple.

Make a plaster. (NIEMANN)

It is applied to the same purposes as the preceding.

ISCHIATIC PLASTER.

Emplastrum Ischiadicum. (PALAT.; WIRTEM.)

R. Pitch, two ounces.
Galbanum, one ounce.
Sulphur, } of each, two drams.
Amber, }
Cumin Seeds, } of each, one
Chamomile Flowers, } dram and a half.
Red Petroleum, half an ounce.

Dissolve the galbanum in vinegar, mix it with the pitch, add the other powdered substances, and finally the petroleum. (WIRTEM.)

PALAT. prescribes two ounces of pitch, one ounce of galbanum, two drams of sulphur, one dram of amber, half a dram each of chamomile, of cumin, and of Florentine iris, and a sufficient quantity of petroleum.

This plaster is applied as corroborant and resolvent in sciatica and other painful rheumatic affections.

BECHHOLZ'S BLACK PLASTER.

Emplastrum Bechholzii seu nigrum Bechholzii seu sulphuratum seu nigrum sulphuratum. (BRUNS.; HANN.; BORUS.; HERBIP.; NIEMANN.; SPIELMANN.; VAN MONS)

R. Subcarbonate of Potass, one pound.
Muriate of Ammonia, one ounce.
Spirit of Turpentine, eight ounces.

Digest for one month; then add
Sublimed Sulphur, two ounces.

Digest for another month, and add

Gum Ammoniac,	} of each, two ounces and a half.
Galbanum,	
Bdellium,	} of each, two ounces.
Sagapenum,	
Resin,	one pound.
Myrrh,	} of each, two ounces.
Turpentine,	

Boil to the consistence of plaster, adding towards the end

Pulverized Camphor, one ounce and a half.

Mix. (BRUNS.; HERBIP.; NIEMANN)

SPIELMANN adds two ounces of olibanum.

R. Resin, eighteen ounces.
Turpentine, six ounces.
Gum Ammoniac, } of each, four ounces.
Galbanum, }
Sagapenum, }
Myrrh, }
Asphaltum, }
Sulphuretted Linseed Oil, } of each, eight ounces.
Spirit of Turpentine, }
Camphor, one ounce and a half.

The resin being melted and somewhat cooled, add the myrrh and asphaltum pulverized, then the gum ammoniac, galbanum, and sagapenum dissolved previously in the turpentine, then the linseed oil, and finally the camphor triturated with a little oil. (HANN.; BORUS.; VAN MONS)

SAX. prescribes twenty-two parts of resin, four each, of myrrh, of asphaltum, of gum ammoniac, of sagapenum, and of galbanum, six of turpentine, eight of balsam of sulphur, and eight of spirit of turpentine: the operatory process is the same.

This plaster was formerly applied to hasten the separation of dead from living parts, as in cases of gangrene and escharrs. It is now properly abandoned.

BLACK LINIMENT. (HERBIP.)

R. BECHHOLZ'S Black Plaster, one ounce.
Oil of St. John's-wort, one ounce and a half.

Mix.

GALEGA.—GOAT'S RUE.

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

1. *Galega officinalis*, LINN.

SYNONIMES:—Galéga officinal, Faux Indigo, Rue de chèvre, FR.; Geissraute Geissraute fasanenkraut, GERM.

BRUNS.; HISP.; GALL.; WIRTEM.; MURRAY and GMELIN; SPIELMANN.

A plant of Europe. (*Diadelphia Decandria*, LINN.; *Leguminosæ*, JUSS.; *Fig. Zorn, Ic. pl. t. 212.*)

The herb (*Herba Galegæ seu Rutæ Capra-*

riæ) is employed; it consists of a branching stem, and of leaves composed of from fifteen to seventeen oval leaflets.

It is inodorous; and its taste is mucilaginous and bitterish.

It is said to be alexipharmic and sudorific.

2. *Galega Virginiana*, LINN.

COXE.

A plant of the United States. (*Fig. Pluk. Alm. t. 23. f. 2.*)

The root is reputed anthelmintic.

GALIUM.

Two plants of this name are employed in medicine:

1. *Galium Aparine*, LINN.—[NOW, *Valantia Aparine*.—EDIT.]—Common Ladies Bedstraw.

SYNONIMES:—Grateron, FR.; Klebkraut, GERM.; Amor del hortelano, SPAN.; Kleefkruid, DUT.

GALL.; WIRTEM.; MURRAY and GMELIN; SPIELMANN.

This plant is common throughout Europe. (*Tetrandria Monogynia*, LINN.; *Rubiaceæ*, JUSS.; *Fig. (Ed. Fl. dan. t. 464.)*)

The herb (*Herba Aparines*) is employed.

It presents a slender, quadrangular stem, furnished with hooked asperities on the angles, and bearing linear leaves, rough on their borders, verticillated, six or eight in a whirl.

It formerly passed for resolvent and al-

terative, and was prescribed in cutaneous disorders.

2. *Galium cruciatum*.—SM.—Cross-wort.

SYNONIMES:—Croisette velue, FR.; Krentzkraut, GERM.

FERR.; WIRTEM.; SPIELMANN.

A common plant of Europe. (*Polyandria Diœcia*, LINN.; *Rubiaceæ*, JUSS.; *Fig. Blackw. Herb. t. 76.*)

The root and herb are employed.

The root (*Radix Cruciatæ seu Gentianæ cruciatæ seu minoris*) is fibrous, and of a saffron-yellow colour.

The herb is composed of a thin, square, hairy stem, having opposite branches, furnished at each articulation with four sessile, oval, trinerved, hairy leaves. It is destitute of odour, but has a bitter taste.

It is tonic, and stomachic.

GALLA QUERCINA.—NUTGALL.

SYNONIMES:—*Galla Turcica* seu *de Aleppo* seu *tinctoria*.—Noix de Galle, Galle de Chêne, FR.; Gallæpfel, GERM.; Afis, ARAB.; Massaka, CYNG.; Galdæbe, DAN.; Maphal, DUK.; Agalla, de Levante, SPAN.; Majuful, HIND.; Gallnoot, DUT.; Noce di Galla, ITAL.; Maru, PERS.; Galas, POL.; Galha, PORT.; Ma-

juphal, SANS.; Machakai, TAM.; Machikai, TEL.

LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; BATAV.; BAVAR.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FENN.; FULD.; GENEV.; HAMB.; HASS.; LIPP.; OLDEN.; LU-

SIT. ; POL. ; BORUS. ; ROSS. ; SAX. ; SUEC. ; WIRTEM. ; HERBIP. ; WURCEB. ; AINSLIE ; BERGIUS ; BRUGNATELLI ; COXE ; GUIBOURT ; MURRAY and GME-LIN ; PARIS ; PIDERIT ; SPIELMANN ; ZARDA.

This is a hard, woody excrescence, of from four to twelve lines in diameter, usually globular and covered with tuberosities, and pierced, or not pierced, with a hole; those in the first case, are light and whitish; and those in the second, compact, heavy, and of a brown or green hue. These are separated in commerce: the latter kind are called *Blue Galls*, and the former *White Galls*. The blue are more esteemed than the white, being far more astringent.

This production is occasioned by the puncture made by the female of the *Cynips Gallæ tinctoria*, a hymenopterous insect (*Fig. Oliv. Voy. dans l'emp. Ott. pl. 15*), or by that of the *Cynips Quercus Folii* (*Fig. Réaum. t. 3. p. 39. f. 13*), in the peduncles of several species of oak, particularly the *Q. Infectoria* and the *Q. Cerris*, trees of Asia Minor, in which to deposit its eggs, round which this tumour forms, acting as a defence, subsequently, to the larvæ.

Galls contain tannin and gallic acid. They also contain, according to BRACONNOT, a peculiar acid, *Acide Ellagique*.

They are astringent.—Dose, from eight grains to a scruple, of the powder.

SPECIES FOR THE BLACK DECOCTION.

Species pro Decocto nigro. (BATAV. ; WIRTEM. ; NIEMANN ; VAN MONS)

R. Wormwood,	} of each,
Leaves of Oak,	
Rue,	} one part and a half.
Savine,	
Sage,	} of each,
Scordium,	
Crude Tartar,	} two parts.
Sub-acetate of Copper,	
Root of Tormentil,	three parts.
Sulphate of Iron,	four parts.
Pomegranate Bark,	} of each,
Nutgalls,	
Alum,	five parts.
	eight parts.

Cut, bruise, and mix.—Dose, six ounces to one pint of water or of wine.—It is employed in forming astringent lotions and fomentations.

OINTMENT OF NUTGALLS.

Unguentum Gallæ seu Gallarum. (EDINB. ; AMER. ; COXE ; ELLIS ; NIEMANN)

R. Nutgalls, in fine powder, one part.
Lard, eight parts.
Mix. (EDINB. ; ELLIS)

AMER. ; and COXE prescribe one of galls, and seven of lard.—NIEMANN—an equal part of each.

ANTI-HÆMORRHOIDAL OINTMENT.

Unguentum ad Varices Ani. (SWEDIAUR)

R. Nutgalls, in fine powder, two drams.
Camphor, dissolved in a little Alcohol, half a dram.
Lard, one ounce.
Mix.

OPIATE OINTMENT OF NUTGALLS.

Unguentum ex Gallis opiatum. (SAX.)

R. Nutgalls, in powder, one part.
Opium, in powder, one half part.
Ointment of Toad Flax, six parts.
Triturate together, and mix.

COMPOUND OINTMENT OF NUTGALLS.

Unguentum myrtinum compositum seu Comittisse. (HISP. ; SARD. ; WIRTEM. ; SPIELMANN)

R. Oil of Myrrh, one pound.
Yellow Wax, four ounces.

Melt, and add a mixture of

Powdered Nutgalls,	} of each,	
———— Cypress Nuts,		six
———— Seeds of Plantain,		drams.
———— Leaves of Sumac,		half an ounce,
———— Alum,		

Mix. (SARD.)

HISP. prescribes one pound of oil of myrtle, three ounces of yellow wax, one ounce of nutgalls, two drams each of myrtle leaves, of cypress leaves, and of pomegranate bark, one ounce of sumac leaves, and half an ounce of mastic.

R. Oak Bark,	} of each,
Chesnut Bark,	
Acorns,	
Acorn-cups,	
Nutgalls,	
Unripe Sorbs,	
Dried Medlars,	
Leaves of Plantain,	
———— Oak,	
———— Horsetail,	
———— Wild Plum,	
Root of Tormentil,	} of each, one pound.
Spring Water,	
Red Wine,	

Boil to the consumption of one half, and add

Oil of Myrtle, one pound and a half.

Boil again till aqueous vapour ceases to arise; then strain, and add

Yellow Wax, eight ounces and a half.
 Remove it from the fire, and add
 Oil of Mastix, one pound and a half.
 Powdered Oak Bark, one ounce.
 ———— Dragon's Blood, }
 ———— Nutmegs, }
 ———— Nutgalls, }
 ———— Juice of Hypo- }
 cyst, } of each,
 ———— Myrtle-Berries, } half
 ———— Grape Stones, } an ounce.
 ———— Unripe Mountain }
 Ash Berries, }
 Trochiscs of Amber, } two ounces.

Make an ointment. (WIRTEM.)

SPIELMANN'S formula differs very little from this.

INFUSION OF NUTGALLS.

Infusum Gallarum. (AUSTR.; FERR.; ELLIS)

R. Bruised Nutgalls, two ounces.
 Boiling Water, one pound.

Macerate for twenty-four hours, express, and filter. (AUSTR.)

ELLIS prescribes two drams of galls, and twelve ounces of boiling water; to be infused for four hours.—FERR.—one ounce of nutgalls and eight ounces of water.

Dose, two spoonfuls, every hour or two, in diarrhœa.

ASTRINGENT FOMENTATION. (SWEDIAUR)

R. Nutgalls, from half an ounce to one ounce.
 Boiling Water, two pounds.
 Digest for an hour, and strain.

ASTRINGENT INJECTION.

Injectio ex Gallis. (AUGUSTIN; PH. SYPH.)

R. Powdered Nutgalls, two drams.
 Boiling Water, one pound.

Infuse for an hour, and strain. (AUGUSTIN; PH. SYPH.)

R. Nutgalls, half an ounce.
 Water, a sufficient quantity

to obtain eight ounces of decoction. Dissolve in it when strained,

Alum, two drams.
 Sulphate of Zinc, two grains.

Mix.

This is recommended by KORTUM. (AUGUSTIN)

It is used in obstinate blenorrhœa.

ASTRINGENT GARGLE. (RATIER)

R. Decoction of Barley, four ounces.

Roses, }
 Nutgalls, } of each, one dram.
 Pomegranate Bark, }
 Red Wine, four ounces.
 Honey of Roses, two ounces.
 Sulphuric Acid, a sufficient quantity.

Mix.

ASTRINGENT POTION. (ELLIS)

R. Infusion of Nutgalls, four ounces.
 Prepared Chalk, half an ounce.
 Tincture of Opium, } of each,
 Gum Arabic, } one dram.

Mix.—Dose, a spoonful every two hours.

DECOCTION OF NUTGALLS.

Decoctum Gallarum.

R. Nutgalls, half an ounce.
 Spring Water, two pounds.

Boil down to one pound or to one pound and a half.

Dose, one spoonful.—It is also applied in lotions, to prolapsed rectum, and to hepatic spots (*taches hepaticques*).

ASTRINGENT LAVEMENT. (SWEDIAUR)

R. Nutgalls, one ounce.
 Water, one pound and a half.

Boil down to two thirds.

EXTRACT OF NUTGALLS. (AUSTR.)

R. Nutgalls, coarsely powdered, any quantity.
 Water, a sufficient quantity.

Exhaust the galls by several successive boilings; mix the decoctions, and, after decantation, evaporate the liquor in a water-bath.

TINCTURE OF NUTGALLS.

Tinctura Gallarum. (EDINB.; DUBL.; BAVAR.; COXE; NIEMANN; VAN MONS)

R. Nutgalls, in powder, two ounces.
 Proof Spirit, sixteen ounces.

Macerate for seven days, and filter. (EDINB.)

R. Nutgalls, in powder, four ounces.
 Proof Spirit, two pints.

Macerate for seven days, and filter. (DUBL.; and COXE)

BAVAR. prescribes one part of galls, and eight parts of alcohol (0.900).—VAN MONS—one of galls and eight of proof spirit.—NIEMANN—half an ounce of galls and two ounces of alcohol.

Dose, from one to three drams.

The stronger tincture of BAVAR. is given only as a re-agent for detecting the presence of iron, gelatine, &c.

GALLIUM.—LADIES' BEDSTRAW.

Two plants of this name are mentioned in pharmacopœias.

1. *Gallium mollugo*, LINN.—Great Ladies' Bedstraw.

SYNONIMES:—Caille-lait blanc, FR.; Weisses Labkraut, GERM.; Zagtblaadig walstrov, DUT.; Mollugem, PORT.

GALL.; MURRAY and GMELIN.

A common plant of Europe. (*Tetrandria Monogynia*, LINN.; *Rubiaceæ*, JUSS.; *Fig. Blackw. Herb. t. 168.*)

The flowering herb (*Herba et Flores Gallii albi*) is employed. It presents a tetragonal, smooth, feeble, branching stem, furnished with oblong, slightly dentated, mucronated leaves, eight in a whirl; having white flowers, forming branching panicles at intervals. Its odour is weak, but agreeable, and its taste acidulous.

The juice of the flowers was formerly prescribed in epilepsy.

2. *Gallium verum*, LINN.—Yellow Ladies' Bedstraw.

SYNONIMES:—Caille-lait jaune, FR.; Meyerkraut, Gelbes Labkraut, GERM.; Guaja leche, Galio, SPAN.; Gaglio giallo, ITAL.

BRUNS.; HISP.; GALL.; FULD.; GENEV.; SAX.; WIRTEM.; HERBIP.; BERGIUS.; MURRAY and GMELIN.; SPIELMANN.

A common plant of Europe. (*Fig. Zorn, Ic. pl. t. 338.*)

The flowering herb (*Herba et Flores Gallii lutei*) is employed. It presents a slender, branching, short stem, furnished with

linear, glabrous leaves, six or eight in a whirl, and with small yellow flowers, disposed in bunches on the upper part, where they form together an elongated narrow panicle. Its smell is agreeable, and its taste acrid and styptic.

It is slightly astringent.

ANTI-EPILEPTIC POTION. (BORIES; PIERQUIN; SAINTE-MARIE)

R. Expressed Juice of Great Ladies' Bedstraw, six ounces.
White Wine, one or two ounces.

Mix. (SAINTE-MARIE)

R. Tincture of Castor, twenty drops.
Vinegar of Rue, two ounces.
Distilled Water of Yellow Ladies' Bedstraw, three ounces.

Mix. (PIERQUIN)

R. Distilled Water of Ladies' Bedstraw, } of each,
Lime } three
Flowers, } ounces.
Vinegar of Rue, two drams.
Tincture of Castor, twenty drops.
Syrup of French Lavender, one ounce.

Mix.—To be taken at one dose, as soon as the precursory symptoms of the fit are perceived.

INFUSION OF YELLOW LADIES' BEDSTRAW. (RATIER)

R. Flowers of Yellow Ladies' Bedstraw, two drams.
Boiling Water, two pounds.

Digest, and strain.

It is recommended by CHAUSSIER, as sedative and anti-spasmodic, in cerebral affections.—To be taken warm, and by glassfuls.

GAMBOGIUM.—GAMBOGE.

SYNONIMES:—*Gummi gutta*, *Gutta gumba*, *Cambodium*, *Cambogium*, *Gummi gutta*, *Gummi gamandrae*, *Gummi de Goa*, *Gummi de Jemu*, *Ghitta jemoco*, *Gutta gamandra*.—Gomme-gutte, FR.; Gummigutt, GERM.; Ossara rewund, ARAB.; Gukkatu, CYNG.; Gumigut, DAN.; Guta gamba, SPAN.; Gomma gotta, ITAL.; Gumigut, POL.; Mukki, TAM.; Passahuvenny, TEL.

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

This gum-resin is met with in a cylindrical form, of a yellowish-brown colour externally, and of a deeper hue internally, opaque, heavy, brittle, and exhibiting a shining fracture. It is inodorous, and its taste is acrid and bitter. Its powder is of a fine yellow colour.

It is the inspissated milky juice which flows from incisions made in the trunk of the *Stalagmitis cambogioides*, MUR., a tree of Ceylon and of the East Indies (*Polyandria Monogynia*, LINN.; *Guttifera*, JUSS.), and not, as has been erroneously stated by some, of the *Garcinia cambogia*, PERS.; (*Fig. Flor. Medic. IV. 192*), which, however, furnishes an analogous product. It would appear, nevertheless, that the gamboge of the *Stalagmitis* (*Gummi Gutta Siamese seu verum seu cambogium*) is very rare, and that of the *Garcinia* (*Gummi Gutta Zeylanicum seu spurium*) is only met with in commerce. There is also to be distinguished a spurious gamboge (*Gummi gutta Americanum*) which is obtained from the *Hypericum bacciferum* and the *H. Cayenense*, shrubs, the former of Mexico and the latter of Cayenne.

Gamboge is a very powerful drastic purgative, anthelmintic, and contra-stimulant.

Dose, from two to six grains, of the powder.

PURGATIVE BOLUSES.

Boli purgantes irritantes seu drastici.
(BRERA; SAUNDERS)

R. Gamboge, twelve grains.
Rob of Elder, } of each, a
Liquorice Powder, } sufficient quantity.

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

R. Extract of Rhubarb, one dram and a half.
Gamboge, ten grains.
Magnesia, two drams.
Compound Syrup of Cichory, a sufficient quantity.

Make sixteen boluses.—Dose, four every three hours. (BRERA)

R. Gamboge, fifteen grains.
Supertartrate of Potass, ten grains.
Ginger, five grains.
Simple Syrup, a sufficient quantity.

For one bolus. (SAUNDERS)

COMPOUND PILLS OF GAMBOGE.

Pilule Gambogiae compositae. (LOND.)

R. Gamboge, in powder, one dram.
Extract of Spiked Aloes, one dram and a half.

Ginger, in powder, half a dram.
Hard Soap, two drams.

Mix.

Pilule Gambogiae compositae.
(EDINB.)

R. Gamboge, }
Extract of Socotrine } of each,
Aloes, } one
Compound Powder of } part.
Cinnamon, }
Hard Soap, two parts.

Mix the three former ingredients intimately together, then add the soap, and form a mass with the addition of a little syrup.

PURGATIVE PILLS. (AMER.; COXE; SAUNDERS)

R. Gamboge, ten grains.
Guaiac Resin, } of each,
Sweet Almonds, blanched, } one dram.
Simple Syrup, a sufficient quantity.

Make twenty-eight pills. (SAUNDERS)

R. Gamboge, one ounce.
Scammony, half an ounce.
Nitrate of Potass, one dram.
Soap, two drams.
Water, a sufficient quantity

to make a pilular mass. (AMER.; COXE)

PURGATIVE MARMALADE. (SAINTE-MARIE)

R. Manna, } of each,
Oil of Almonds, } two ounces.
Subcarbonate of Potass, } of each,
Gamboge, } one dram.

Mix.—Dose, a tea spoonful, twice in the course of the morning.

VERMIFUGE POTION. (PIERQUIN)

R. Manna, two ounces.
Subcarbonate of Potass, one dram.
Gamboge, ten grains.
Oil of Walnuts, three table spoonfuls.
— Rue, one tea spoonful.

Mix.

ALCALINE ELIXIR OF GAMBOGE.

Solutio Gummi guttae alkalina, Elixir Gambogiae alkalinum. (SUC.; HERBIP.; NIEMANN; VAN MONS)

R. Gamboge, half a dram.
Solution of one part of Subcarbonate of Potass in two parts of Water, half an ounce.

Dissolve. (SUC.; VAN MONS)

NIEMANN prescribes four grains of gamboge and two drams of the saline liquor.—**HERBIP.**—two drams of gamboge, one pound of water, and two drams of deliquesced subcarbonate of potass.

Dose, fifteen drops, every three hours, in dropsy.

GAMBOGE SOAP. (LIPP.; NIEMANN)

R. Gamboge, in powder, six ounces.
Caustic Potass, three drams.
Distilled Water, nine ounces.

Boil till the commencement of union; then add

Caustic Potass, two drams and a half.

Dissolved in

Distilled Water, four ounces.

Continue to boil, and evaporate slowly to dryness.

Dose, from three grains to a scruple.

TINCTURE OF GAMBOGE. (VAN MONS)

R. Gamboge, one part.
Alcohol, six parts.

Infuse without heat for several days, and strain.

ALKALINE TINCTURE OF GAMBOGE.

(LIPP.)

R. Gamboge, half an ounce.
Subcarbonate of Potass, one ounce.
Proof Spirit, one pound.

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

AMMONIACAL TINCTURE OF GAMBOGE.

Tinctura Gummi guttæ seu Gambogia ammoniata seu ammoniacata. (SWEDIAUR; PH. SYPH.)

R. Gamboge, thirty-six grains.
Spirit of Ammonia, four ounces.

Digest for eight days, and filter.

It is excitant.—Dose, one or two drams, morning and evening, in a proper vehicle.

GAULTHERIA PROCUMBENS, LINN.—MOUNTAIN TEA.

SYNONIMES:—Partridge Berry.—Gaulthérie couchée, Fr.

AMER.; COXE.

A small shrub of North America. (*Decandria Monogynia*, LINN.; *Ericineæ*, JUSS.; *Fig. Enc. meth. tab. 367.*)

The leaves are employed; they are nearly sessile, oval, widely serrated, and about an inch in length.

It is said to be stimulant and anodyne, and is prescribed in asthma.

OIL OF MOUNTAIN TEA.

Oleum distillatum Gaultheriæ. (AMER.; COXE)

R. Leaves of Mountain Tea, any quantity.
Water, a sufficient quantity.

Distil, and separate the oil which passes over.

GELATINA.—GELATINE.

There is a considerable number of substances found in the lists of materia medica, especially of the older pharmacopœias, which are entirely destitute of any medicinal virtue, except such as may result from the gelatine which they contain. Such, for instance, are the neck of mutton, fillet of veal, leg of beef, meat of chicken, etc. which are met with in a great many formulæ. But the greater part of these substances were only introduced into medicine upon the faith of ignorant and superstitious empirics, who attributed ridiculous imaginary properties to them. We bring them all together under this article, adding to them various animal matters which, if they do not contain gelatine, contain mucus,

which is a principle exceedingly analogous to it: for although there exist between these some chemical distinctions, yet they ought not to be separated when their connection with therapeutics is considered.

1. *Colla.*—Glue.

HISP.

This is prepared with clippings of leather boiled in water. It is in yellowish plates or sheets, and more or less translucent.

2. *Ichthyocollo, Colla Piscium.*—Fish Glue, Isinglass.

SYNONIMES:—Ichthyocolle, Colle de pois-

son, FR.; Hausenblase, GERM.; Hunsblas, DAN.; Colla de pescade, SPAN.; Huisenblas, DUT.; Ittiocolla, Colla di pescio, ITAL.; Karuk, POL.; Cola de piexe, PORT.; Husblas, SWED.

DUBL.; AMER.; AMST.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; FULD.; HANN.; HASS.; LIPP.; OLDEN.; POL.; CAST. BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI.; COXE.; GUIBOUT.; MURRAY and GMELIN.; PARIS.; PIDERIT.; SPIELMANN.

This name is given to the dried air-bladders of three species of sturgeon, *Accipenser stellatus*, POL.; *A. sturio*, LINN.; *A. huso*, LINN.; and also, according to PALLAS, of the *Sikurus Glanis*. They are white, semi-transparent, and inodorous.

3. *Caro Testudinis*.—Flesh of the Tortoise.

SYNONIMES:—Chair de Tortue, FR.; Schildkröte, GERM.; Galapago, Tortuja, SPAN.; Skildpadde, DUT.; Tartarugha, ITAL.; Tartarugo, PORT.; Skælpadda, SWED.

HISP.; GALL.; GENEV.; SPIELMANN.

This is the body without the head and feet of the European tortoise, *Emys Lutaria*, MER., a reptile (*Chéloniens*, BROGN.) common in the middle of Europe. (*Fig. Lac. Quadr. ovip. I. t. 4.*) This tortoise has the shell oval, rather convex and smooth, blackish, and ornamented with yellowish points disposed in rays.

The decoction of the flesh is administered in phthisis, and in cases of exhaustion by disease or excess.

4. *Viperæ Caro et Spina*.—Flesh and Spine of the Viper.

SYNONIMES:—Chair et Rachis de Vipère, FR.; Viperfleisch, Vipererückgrat, GERM.

AMST.; BRUNS.; HISP.; GALL.; FERR.; GENEV.; WIRTEM.; HERBIP.; BRUGNATELLI.; GUIBOUT.

The common viper, *Pelias Berus*, MER.; an ophidian reptile common in Europe. (*Idiophides Viperedes*, LAT.; *Fig. Lac. Quadr. ovip. II. tab. 1, fig. 1.*) It is of a brown colour with a black zigzagged line along the back, and a row of black spots on each side: its belly is slate coloured.

Before using it, the head and tail are to be removed, together with the viscera, excepting the heart and liver. The powder of it was formerly known by the name of *Bezoardicum animale*. (PALAT.; WIRTEM.)

5. *Caro et Spina Vulpis*.—Flesh and Spine of the Fox.

SYNONIMES:—Chair et Rachis du renard FR.; Zorno, SPAN.

WIRTEM.; SPIELMANN.

The fox, *Canis Vulpes*, LINN., is a mammalian carnivorous animal. The skin and viscera are to be removed. The lungs however are preserved, being dried after having washed them in wine. (*Getrocknete Fuchslungen*, GERM.)

These lungs were formerly reputed a specific in pulmonary disorders.

6. *Catelli*.—Puppies.

HISP.; GENEV.; SPIELMANN.

These were formerly considered nerve. The liver of a mad dog, *Hepar Canis rabidi*, washed in wine and dried in a stove, (PALAT.; WIRTEM.) was formerly employed against hydrophobia.

The liver of the wolf, *Lupi Hepar* (WIRTEM.), was also reputed to possess the same virtue.

7. The viscera and various parts of the Hare.—*Lepus timidus*, LINN.

WIRTEM.

8. *Rana esculenta*, LINN.—Edible Frog.

SYNONIMES:—Grenouille verte, FR.; Frosch, GERM.; Froe, DAN.; Ranas, SPAN.; Vorsch, DUT.; Ranocchio, ITAL.; Groda, SWED.

HISP.; GALL.; FERR.; WIRTEM.; GUIBOUT.; SPIELMANN.

A reptile common throughout Europe. (*Batraciens Anoures*, DUM.; *Fig. Roes. Ran. pl. XIII. XIV.*)

The posterior members and pelvis are employed.

The spawn, *Sperma Ranæ* (Frais, FR.; Froschlaich, GERM.) is also used. It consists of the eggs placed in the centre of a transparent and glairy mass, enclosed in a long membranous bag.

FERR.; and HISP. require the rana temporaria.

9. *Lacerta agilis*, LINN.—The Nimble Lizard.

SYNONIMES:—Lézard Gris, Lézard des murailles, FR.; Eidechse, GERM.; Furbeen, DAN.; Lugarto, SPAN.; Haagdis, DUT.; Lucertola, ITAL.; Jaszezarra, POL.; Lagartiza, PORT.; Oedla, SWED.

FERR.; HISP.; WIRTEM.; GUIBOUT.; SPIELMANN.

A common reptile of Europe. (*Sauriens Eumerodes*, DUM.; *Fig. Daud. Rept. III. p. 155. t. 35. f. 2.*)

It has for a long time been reputed an excellent sudorific and anti-syphilitic.

10. *Scincus officinalis*, SCHN.

SYNONIMES:—Scinc, Scinque des boutiques, FR.; Meerstinz, GERM.; El adda, ARAB.

WIRTEM.; SPIELMANN.

A reptile of Arabia and Abyssinia. (*Sauriens Scincoidiens*, CUV.; *Fig. Lac. Quad. ovip. I. t. 31.*)

This animal (*Scincus maximus*, *Scincus* seu *Cincus marinus*) is from five to eight inches long. The end of its muzzle is pointed, and its tail is shorter than the body, which is yellowish and silvery, with black bands.

It was formerly regarded as aphrodisiac.

11. *Bufo exsiccatus* seu *Rubela terrestres majores*.—Dried Toads.

SYNONIMES:—Crapauds secs, FR.; Gedærte Kræten, GERM.

HISP.; WIRTEM.; GUIBOURT; SPIELMANN.

This reptile is common throughout Europe. (*Batrachiens Anoures*, DUM.; *Fig. Roes. Ran. XX.*) It is reddish-gray, gray-brown, blackish, or olive coloured; having numerous rounded tubercles on the back, and others more closely set and smaller under the belly.

The powder; or, the ashes of dried toads, was formerly administered in dropsies, as diuretic.

12. *Helix Pomatia*, LINN.—The Orchard Snail.

SYNONIMES:—Limaçon, Colimaçon des vignes, FR.; Schnecke, GERM.; Snegl. SPAN.; Caravoles, DAN.; Slak, DUT.; Lumaca, ITAL.; Snigel, SWED.

BRUNS.; GALL.; HANN.; WIRTEM.; GUIBOURT; SPIELMANN.

A gasteropodous molluscous shell, very common in Europe. (*Pulmones Geococlydes*, LAT.; *Fig. Fer. pl. 21 and 24. fig. 1*)

This animal is large, of a yellowish-grey colour, and covered with long and irregular tubercles.

It is demulcent, pectoral, and analeptic.

13. *Scorpio Europeanus*, LINN.—European Scorpion.

SYNONIMES.—Scorpion d'Europe, FR.; Alacrane, SPAN.

A pulmonic arachnide of the middle of Europe. (*Pedipalpes Scorpionides*, LAT.; *Fig. Herbst. Monog. Scorp. III. 1. 2.*)

Its body is brown, and the last joint of the tail yellowish; the *serres* are angular and cordiform.

It was formerly reputed alexipharmic.

14. *Lumbricus terrestris*, GMEL.—Earth-worm.

SYNONIMES.—Ver de terre, FR.; Regenwurm, GERM.; Regvorm, DAN.; Lombrices de la tierra, SPAN.; Aerdworm, DUT.; Vermo de la terra, ITAL.; Glisztaziemna, POL.; Obicho da terra, PORT.; Metmask, SWED.

BRUNS.; HISP.; WIRTEM.; GUIBOURT; SPIELMANN.

An articulated invertebrate animal (*Che-topodes*, BL.) very common in Europe. Its body is long, of the thickness of a quill, of a flesh-red colour, ringed, and presenting at each articulation, on each side, two pairs of short *aiguillons*, forming eight longitudinal series.

It is said to be anodyne, diuretic, anti-spasmodic, and diaphoretic.—Dose, of the juice, one ounce; of the powder, half a dram.

15. *Ceti Priapus*.—Penis of the Whale.

WIRTEM.

16. *Cervi Priapus*.—Penis of the Stag.

WIRTEM.

17. *Tauri Priapus*.—Penis of the Bull.

WIRTEM.

18. *Equi Testes*.—Testes of the Horse.

WIRTEM.

These four substances have been particularly celebrated as aphrodisiac.

19. *Serpentum Eavvia*.—Cast skins of Snakes.

HISP.; WIRTEM.; SPIELMANN.

The epidermic slough thrown off by vipers (*couleuvres*) every spring, at the period of moulting, and which preserves the form of their body.

This was supposed to be useful in dropsy; to accelerate cicatrization; and lastly, to facilitate parturition.

20. *Alces Ongula*.—Elk's Hoof.

SYNONIMES.—Sabot d'Elan, Ongle d'Elan, FR.; Una de la gran bestia, SPAN.

The hoof of the *Cervus Alces*, LINN.

This was formerly regarded as a specific in epilepsy.

21. *Rhinoceros Cornu, Unicornu.*—Horn of the Rhinoceros.

HISP.; WIRTEM.; SPIELMANN.

This was formerly reputed alexipharmic and anti-epileptic.

22. *Gallinæ ventriculus.*—Fowl's Gizzard.

WIRTEM.; SPIELMANN.

The only part used is the internal membrane, which is thick and coriaceous. (*Gallinæ Ventriculi Tunica interiores.*)

It was formerly recommended to strengthen the stomach, and to cure gravel.

23. *Sanguis Hirca.*—Goat's Blood.

HISP.; WIRTEM.; SPIELMANN.

The dried blood of a goat fed with vulnerary herbs.

24. *Sanguis Capræ Ibxæ.*—Wild Goat's Blood.

GALL.

These two substances were formerly renowned, for the cure of dysentery and calculous affections.

25. *Anguille Hepar.*—Eel's Liver.

HISP.; SPIELMANN.

Gelatine is nutritive. Mixed with a great quantity of water it becomes demulcent, and emollient; which qualities it then owes, without doubt, to the abundant liquid with which it is in combination. It has been represented as an excellent febrifuge, but after it had occupied for a long time the attention of every medical man on the continent, fashion has again consigned it to neglect.

I. Preparations which contain Gelatine unaltered.

PECTORAL SPECIES.

Species pro Decocto Infantum. (AUGUSTIN)

R. Hartshorn, } of each,
Pearl Barley, } an equal part.
Sugar of Milk, }

Make a mass, and reduce it to trochiscs. (HISP.; GALL.)

TROCHISCS OF VIPER.

Trochisci Viperarum. (HISP.; GALL.; PALAT.; WIRTEM.; SPIELMANN)

R. Viper, in powder, any quantity.
Mucilage of Tragacanth, prepared with White Wine, a sufficient quantity.

Make a mass, and form it into trochiscs. (HISP.; GALL.)

R. Prepared Viper, one.

Boil it in water with common salt and dill, till the flesh separates from the bones; bruise this with one fourth of biscuit, and make a mass to be divided into trochiscs. (PALAT.; WIRTEM.; SPIELMANN)

NUTRITIVE POWDER.

Pulvis pro Jusculo extemporaneo. (CADET DE GASSICOURT; VAN MONS)

R. Dried Gelatine, } of each,
Osmazome, } one ounce.
Gum Arabic, } two drams.
Cloves, }
Black Pepper, } of each,
Seeds of Celery, } twelve grains.
Carrot, }

Make a powder. (CADET DE GASSICOURT)

VAN MONS prescribes one ounce of osmazome, two ounces of pure gelatine, half a scruple each, of cloves, of pepper, and of celery; to be dissolved in twelve times its weight of boiling water, adding a little salt, and straining the broth.

WINE OF VIPERS.

Vinum Viperarum. (SARD.)

This wine was even formerly not much used, and is now entirely thrown aside. It was prepared, either by drowning a viper in wine; or, by fermenting chopped vipers with must of grapes, in a barrel.

BROTH OF BONES.

Jus Ossium. (BRUGNATELLI)

R. Beef Bones, deprived of cartilage and tendon, three pounds.

Bruise them in an iron mortar, and put them into a pot, with

Water, thirty pounds.

Cover, boil for six hours, and strain.

VEAL BROTH.

Eau de Veau. (GALL.; DISP. CHA. PARIS; RATIER)

R. Fillet of Veal, four ounces.
Water, twelve ounces.

Boil for two hours, in a water-bath, in a close vessel, and strain. (GALL.)

RATIER doubles the quantity of water, and directs to be added in case of need, two ounces of tamarind pulp, or one grain of tartarized antimony.—DISP. CHA. PARIS.—four ounces of veal and six pounds of water, boiled down to two.

In the same manner are prepared, according to GALL. the *Broths of Tortoise, of Calf's lungs, of Lizards, and of Frogs.*

CHICKEN BROTH.

Aqua Caponis. (GALL.; PIERQUIN;
SPIELMANN)

R. Lean Chicken, four ounces.
Water, twelve ounces.
Boil for two hours and strain. (GALL.)

R. Capon cut in pieces, one.
Boil it slowly in water till the meat separates from the bones; add to each pound of broth freed from fat, one pound of rose water, and two ounces of cinnamon water. (SPIELMANN)

R. Root of Bugloss, } of each,
Asparagus, } one ounce.
Leaves of Agrimony, } of each,
Pimpernel, } one handful.
Scabious, }
Maidenhair, }
Supertartrate of Potass, one dram.
Chicken, one.

Boil together. (PIERQUIN)

R. Chicken, one.
Stuff it with
Cold Seeds, bruised, one ounce.
Pearl Barley, } of each, half an ounce.
Rice, }
Sugar, a sufficient quantity.

Boil slowly in three quarts of water, till reduced to one half, and strain with slight expression. (PIDERIT)

BROTH OF CRABS. (GALL.; CADET DE
GASSICOURT; PIERQUIN; SAINTE-
MARIE)

R. Bruised Crabs, four ounces.
Water, twelve ounces.
Boil for two hours, and strain. (GALL.)

R. Lean Fowl, one half.
Bruised Crabs, six.
Water, three pounds.

Boil to the reduction of one third, adding towards the end,
Fresh Leaves of Borage, one handful.
Chervil, one pinch.

Strain. (CADET DE GASSICOURT; PIER-
QUIN; SAINTE-MARIE)

NUTRITIVE LAVEMENT.

Clysmata nutriens. (SPIELMANN; SWE-
DIAUR)

R. Gelatine, one ounce.
Milk, four ounces.
Heat till dissolved. (SWEDIAUR)

R. Beef Broth, } of each, three ounces.
Cow's Milk, }
Hartshorn Jelly, one ounce.

Mix. (SPIELMANN)

BROTH OF SNAILS.

Jusculum helecinum. (GALL.; AUGUSTIN;
NIEMANN; SAINTE-MARIE)

R. Snails, freed from their shells, twenty.
Crabs, bruised, two.
Water, two pounds.

Bruise together the snails and crabs in a stone mortar, with a wooden pestle; then boil for two hours in a water-bath, and strain the decoction when cold. (GALL.)

SAINTE-MARIE prescribes twenty-four snails, three pounds of water, boiled down to two, and a handful of borage.—NIEMANN—from eight to twelve snails, and twenty-four ounces of water, boiled down to six.

R. Snails, thirty.

Bruise them in a mortar and add
Quarters of Rennet Apples, six.
Dried Prunes, nine.
Spring Water, two pounds.

Boil, strain, and clarify with white of egg. (NIEMANN)

R. Snails, thirty.
Veal, six ounces.
Water, six pounds.

Boil down to two pounds. (AUGUSTIN)

BROTH OF VIPER.

Jusculum Viperae seu viperinum. (HISP.;
GALL.; SARD.; NIEMANN; SAINTE-
MARIE)

R. Living Viper, one.

Remove the head, tail, and viscera, excepting the heart and liver; cut it into pieces, and mix it with the blood, and with

Water, twelve ounces,

in a close vessel. Boil for two hours in a water-bath, and strain. (GALL.)

NIEMANN directs it to be boiled to one half, the broth to be freed from fat, a chicken to be boiled in it, at first entire, then chopped, and the broth to be carefully skimmed.

R. One large prepared Viper,

Boil it with an equal part of the flesh of tortoise in

Weak Veal Broth, three pounds,
down to one half. (SAINTE-MARIE)

R. Prepared Viper, one.
Chicken, one quarter.
Veal, one pound.
Water, a sufficient quantity.

Boil in a water-bath for four or five hours, and express strongly.—A scruple of cinnamon is usually added. (SARD.)

R. Prepared Viper, one.
Red Sanders Wood, half a dram.

Water, six ounces.
Boil, in a sand-bath, for a quarter of an hour and strain. (HISP.)

This broth enjoyed formerly considerable reputation for the cure of chronic cutaneous diseases, particularly of the herpetic kind.

PECTORAL BROTH. (BORIES ; SAINTE-MARIE)

R. Calf's Lungs, chopped, four ounces.
Sheep's Heart, one half.
Snails, six.
Water, two pounds.

Boil down to three fourths and add, a quarter of an hour before removing it from the fire

Iceland Moss, four drams.
Strain. (SAINTE-MARIE)

R. Calf's Lungs, eight ounces.
Snails, eight.
Root of Elicampane, one dram.
Leaves of Endive, half a handful.
Male Speed Well, } of each,
Ground Ivy, } one pinch.
Water, a sufficient quantity.

Boil. (BORIES)

GELATINOUS SOLUTION. (SWEDIAUR)

R. Isinglass, or Hartshorn Shavings, one ounce and a half.
Boiling Water, three pounds.
Boil down to two pounds, and add, when strained,

Cinnamon Water, two ounces.
White Sugar, one ounce.

Dose, three or four ounces, several times a day, in dysentery, nephritis, gonorrhœa, pulmonary catarrh, &c.—Twenty drops of sulphuric acid may be added.

INJECTION OF ISINGLASS AND OF MYRRH. (NIEMANN)

R. Isinglass, a sufficient quantity to make a rather glutinous liquor with
Water, six ounces.

Add Solution of Myrrh, one dram.

Mix.—It is extolled by LENTIN in ulcerations of the urinary bladder.

ANTI-HÆMORRHAGIC MIXTURE. (SAINTE-MARIE)

R. Snails, twenty-five.

Wash them well in hot water ; then bruise them in a mortar, with the shells ; express the juice, and add to it,

Syrup of Violets, an equal quantity.

Mix.—Dose, one or two spoonfuls, in a

glassful of the broth of tortoise or of crab, thrice a day.—MORGAGNI recommended it in scurvy.

ARTIFICIAL ASSES' MILK.

Lac asininum artificiale. (HANN.)

R. Snails, six.
Hartshorn Shavings, } of each,
Pearl Barley, } three drams.
Root of Eryngo, }
Water, two pounds.

Boil to one half, and add
Syrup of Maidenhair, one ounce.

Mix.

DECOCTION OF GELATINE.

Haustus Colla animalis. (AUGUSTIN)

R. Gelatine, one ounce and a half.
Water, two ounces and a half.

Boil.—To be taken at one dose, immediately before the febrile paroxysm.

EXPECTORANT POTION. (ELLIS)

R. Isinglass, two drams.
Sugar, three drams.
Compound Tincture of Camphor, half an ounce.
Water, eight ounces.

Boil, and mix.—Dose, a spoonful, four or five times a day, in catarrh.

SYRUP OF VIPERS.

Syrupus Viperarum. (SPIELMANN)

R. Prepared Vipers, twelve.
China Root, } of each, one ounce.
Sarsaparilla, }
Water, sixty-four ounces.

Boil down to thirty ounces. Clarify the strained liquor, and add to it the first ten ounces which pass over in the distillation of a mixture of

White Wine, } of each,
Orange-flower } sixty-four ounces.
Water, }
Yellow Sanders Wood, } of each,
Cinnamon, } one ounce.
Lesser Cardamoms, } of each,
Nutmegs, } three pounds.
Aloes Wood, }

Dissolve in the mixture,

White Sugar, eighty ounces,
and add to the syrup when cold,
Tincture of Amber, one ounce.

BOUDET'S SYRUP OF SNAILS.

R. Living Snails, [*Helix pomatia*? EDIT.] one hundred.

Wash them in cold water till it ceases to

be rendered turbid; then remove them from the shells, cut them in small pieces, and boil them slowly in a covered vessel with

Pure Water, a sufficient quantity.

Then strain through linen with strong expression. Decant the clear liquor, and add to it

White Sugar, two pounds.
Wine, one pound.

Clarify it with a little albuminous liquor; boil to a strong consistence, and strain it through close flannel.

SYRUP OF CALF'S LUNGS.

Syrupus e Pulmonibus vitulinis. (GALL.; CADET DE GASSICOURT)

R. Fresh Calf's Lung, two pounds.

Wash it well with cold water, to remove the blood and mucus; then put it into a covered tin vessel with

Dates, five ounces.
Leaves of Lung-wort, } of each,
Jujubes, } five ounces
Raisins, } and a half.
Root of Liquorice, } of each,
Comfrey, } one ounce.

River Water, two pounds and a half.

Expose it to the heat of boiling water for an hour; then set it aside, decant, strain the liquor, and pour it upon

Sugar Candy, four pounds.

Clarify the syrup with white of egg. (GALL.)

R. Fresh Calf's Lung, cut in pieces, one pound.

White Wine, two pounds.
Spring Water, a sufficient quantity.

Boil slowly in a covered vessel, and add

Jujubes, separated from their stones, two ounces.

Canadian Maidenhair, } of each,
Dried Lung-wort, } one ounce.

Infuse, strain with expression, set aside, decant, and add

Sugar, bruised, four pounds.

Clarify with albuminous liquor, boil quickly, and strain the liquid, through close flannel, into a vessel containing

Syrup of Orange Flowers, six ounces.

Mix. (CADET DE GASSICOURT)

Take the fresh lung of a calf, remove carefully and reject the external membrane; cut it then into small pieces, and, having ascertained the weight, add the same quantity of sugar coarsely powdered: put this mixture into a tin vessel furnished with a cover which may be luted exactly. Apply the heat of a water-bath for twelve hours; then, having suffered it to cool, express lightly the mass, and wash the lung with a little water to remove the sugar adhering to

it. Mix this water with the expressed liquor, clarify with white of egg in a close vessel, placed in a water-bath, and when the syrup is cold pass it through a sieve.

R. Corinth Raisins, two pounds.
Gum Arabic, four ounces.
Calf's Lungs, two.
Water, twelve pounds.

Boil for six hours, strain, and add

White Sugar, two pounds and a half.

Evaporate to the proper consistence. (CADET DE GASSICOURT)

ACIDULOUS DECOCTION OF HARTSHORN.

Decoctum Cornu Cervi citratum, Aqua Cornu Cervi citrata, Decoctum ex Myrtillis. (NIEMANN; SPIELMANN)

R. Lemons, cut in thin slices, five.

Decoction of Hartshorn, seventy-two ounces.

Boil down to two thirds, and add when strained.

White Sugar, four ounces.

Dissolve. (SPIELMANN)

R. Hartshorn Shavings, six ounces.

Lemons, sliced, four.

Spring Water, forty-four ounces.

Boil down to twenty-four ounces; strain, and add

Rose Water, } of each,
Balm Water, } eighteen ounces.
Scordium Water, }

Mix. (SPIELMANN)

R. Hartshorn Shavings, } of each,
Gum Arabic, or Root of } one ounce.
Marshmallows, }

Pearl Barley, one ounce and a half.

Blueberries, one ounce and a half.

Spring Water, four pounds.

Boil and strain. (NIEMANN)
It was formerly reputed analeptic and alexipharmic.—Dose, a cupful, taken warm, every hour.

DECOCTION OF HARTSHORN. (FORM. HÔP. FR.; GENEV.; AUGUSTIN)

R. Hartshorn, two ounces.
Spring Water, four pounds.

Boil, and strain. (AUGUSTIN)

R. Hartshorn Shavings, one ounce.
Water, two pounds.

Boil down to one fourth or half, and add

Simple Syrup, one ounce,

and, if required, Cinnamon Water, half an ounce,

or, Tincture of Cinnamon, half a dram.

Mix.

GENEV. prescribes one ounce and a half of hartshorn, three pounds of water, to be reduced to two, half an ounce of sugar, and the same of orange-flower water.

TROMMSDORFF'S WHITE DECOCTION.

Decoctum album cum Gummi Mimosæ, Decoctum Cornu Cervi. (FERR.; FULD.; LIPP.; ROSS.; AUGUSTIN; NIEMANN; SWEDIAUR)

R. Hartshorn Shavings, one ounce.
Gum Arabic, two drams.
Water, three pounds.

Boil down to two thirds, and add, according to necessity,

Spirit of Cinnamon, one ounce,

or,

Nitrate of Potass, one or two drams.

Mix. (SWEDIAUR)

FULD.; LIPP.; and ROSS.; direct six drams of hartshorn, two drams of gum arabic, and three pounds of water; to be boiled together down to two pounds.—NIEMANN—six drams of hartshorn with three pounds of water till reduced to two; and two drams of gum arabic to be dissolved in the decoction.—FERR.—one ounce of hartshorn, one ounce and a half of gum, half an ounce of crumb of bread, and two drams of sugar, to be boiled in three pounds of water till reduced to two.

R. Hartshorn Shavings, } of each,
Gum Arabic, } one ounce.
Crumb of Bread, }
Water, a sufficient quantity.

Strain, and add

Syrup of Raspberries, two ounces.

Mix. (AUGUSTIN)

In another place, AUGUSTIN prescribes one ounce of bread, two drams of hartshorn, four pounds of water, and half an ounce of marshmallows paste.

It is principally prescribed in diarrhoea and dysentery.

PECTORAL BROTH. (BORIES; CADET DE GASSICOURT; PIERQUIN)

R. Lean Fowl, one half.
Raisins, one handful.
Sweet Almonds, bruised, twenty.
Julep, a table-spoonful.
Dates, } of each, eight
Jujubes, }
Chervil, one pinch.
Water, two pounds and a half.

Boil to the consumption of one fourth, and sweeten. (CADET DE GASSICOURT; PIERQUIN)

R. Fillet of Veal, six ounces.
Turnips, sliced, four ounces.

Fuller's Thistle, four drams.
Water, two drams.

Boil, adding towards the end,

Hyssop, two pinches.

Strain when cold. (BORIES; PIERQUIN)

DEMULCENT BROTH. (PIERQUIN)

R. Neck of Mutton, six ounces.
Root of Patience, } of each,
Strawberries, } half an ounce.
Leaves of Cichory, } half a handful.
Lesser Centaury, } of each,
Germander, } one pinch.

Water, a sufficient quantity.

Boil, and strain.

LIENTERIC BROTH.

Jusculum Pulli gallinacei lientericum.
(HISP.)

R. Fowl, one.

Fill it by one half with red roses. Add

Cypress Trochiscs, three drams.

Carob Beans, one dram.

Fill the rest with red roses; sew up the opening, and boil in

Water, twelve pounds,

till reduced to eight.

SALINO-GELATINOUS SOLUTION. (GALL.)

R. Distilled Water, one pound.
Carbonate of Soda, } of each,
Animal Gelatine, } one ounce.
Sulphate of Soda, half an ounce.
Naphtha obtained from Petroleum, twenty grains.

Mix.

GLUE JELLY. (BRUGNATELLI; NIEMANN)

R. Glue, any quantity.

Dissolve it in a sufficient quantity of hot water, add one fourth of sugar, concentrate the solution, and let it cool, that it may gelatinize. (BRUGNATELLI)

NIEMANN prescribes six ounces of glue, and two of water or of decoction of chamomile.

Dose, two ounces, half an hour before the paroxysm, two ounces, ten minutes after, and two ounces, at the expiration of twenty minutes.

R. Flemish Glue, one pound.
Water, six pounds.

Clarify the solution with white of egg, and add

White Sugar, one pound.

Boil slowly to one pound, and let it cool. (NIEMANN)

Dose, from two drams to half an ounce, to children; and from ten to twenty drams to adults.

SEQUIN has proposed to replace cinchona with this, as a febrifuge.

JELLY OF TORTOISE. (NIEMANN)

R. Liver, heart, and flesh of a Tortoise.
Veal, half a pound.
Water, two pounds.

Boil for several hours, and set it by in a cold place.—Dose, from one ounce to one ounce and a half, in four or six cups of fat broth.

DEMULCENT JELLY. (SAINTE-MARIE)

R. Head and Feet of a Sheep, unskinned.

Having burned off the hair, boil them in water till the broth becomes converted to jelly. Add a little cinnamon or mace.

ISINGLASS JELLY. (SUEC.; NIEMANN; SWEDIAUR)

R. Isinglass, six ounces.
Water, six pounds.

Boil down to three pounds. Add

Spanish Wine, four ounces.
Lemon Juice, one ounce.
Simple Syrup, two ounces.

Set it aside to gelatinize. (SWEDIAUR)

SUEC. prescribes half a pound of isinglass, seven pounds of water, two hours' boiling, two ounces of sugar, half an ounce of Rhenish wine, and half an ounce of lemon juice.—NIEMANN—two ounces of isinglass, four ounces of cold water, and the addition, to the solution, of six ounces of water, and of from four to six ounces of sugar; to the magma then to be added ten ounces of white wine, and, if requisite, from an ounce to an ounce and a half of lemon juice, and from half an ounce to an ounce and a half of oleosaccharum of lemon.

R. Aqueous Solution of Isinglass, eight ounces.

Gooseberry Jelly, twenty-four ounces.

Melt together, and gelatinize. (NIEMANN)

CALF'S FEET JELLY.

Gelatina animalis. (AUGUSTIN)

R. Calf's Feet, two.
Water, four pounds.

Boil down to one half, remove the fat when cold, and add

Malaga Wine, six ounces.
Sugar, four ounces.
Juice of Lemons, two.

Shake the whole with white of egg, boil for several minutes, and strain.

DEMULCENT JELLY. (SAINTE-MARIE)

R. Calf's Foot, one.
Milk, two pounds.

Boil slowly, for four or five hours, and add when strained,

White Sugar, one pound.
Mix.

HARTSHORN JELLY.

Gelatina Cornu Cervi. (FERR.; GALL.; LIPP.; SAX.; BRUGNATELLI; VAN MONS)

R. Hartshorn Shavings, half a pound.
Water, two pounds.

Boil in a covered vessel, and express strongly. Boil the residue with

Water, two pounds.

Mix the two liquors. Add

White Sugar, four ounces.

Clarify with white of egg, and evaporate slowly, till it is found to gelatinize on cooling. Add a little fresh orange peel or cinnamon, and set it aside in a cool place.

FERR.; LIPP.; SAX.; BRUGNATELLI; and VAN MONS give nearly the same process, but omit the sugar and aromatics.

AMYGDALINE HARTSHORN JELLY.

Gelatina Cornu Cervi amygdalata, Linctus gelatinosus nutriens, Blancmanger. (LIPP.; SARD.; NIEMANN; SPIELMANN)

R. Hartshorn Jelly, still warm, eight parts.
Sweet Almonds, blanched and bruised, one part.

Boil together, and express. (SARD.)

LIPP. prescribes three parts of jelly, and one part of syrup of almonds.

R. Hartshorn Shavings, eight ounces.
Spring Water, one hundred ounces.

Boil slowly to the consistence of jelly, strain the liquor while hot, and make an emulsion with

Sweet Almonds, blanched, four ounces.

Strain and add

White Sugar, in powder, six ounces.

Set aside to gelatinize. (SPIELMANN)

R. Hartshorn Jelly, eight ounces.
Sweet Almonds, one ounce.
Orange-flower Water, one dram.
Essence of Lemon, three drops.
White Sugar, half an ounce.
Water, four ounces.

The emulsion being made, and the jelly slowly melted, add the essence, water, and sugar, and set it aside in a cool place. (NIEMANN)

ACIDULOUS HARTSHORN JELLY.

Gelatina Cornu Cervi acida seu citrata.
(AMST.; BATAV.; BELG.; HISP.; FULD.;
LIPP.; LUSIT.; PALAT.; WIRTEM.;
SARD.; SUEC.; AUGUSTIN.; SWEDIAUR)

R. Hartshorn Shavings, half a pound.
Pure Water, six pounds.

Boil slowly to the consumption of one third; express strongly, and add

White of Egg,	one.
White Wine,	of each,
Lemon Juice,	one ounce.
White Sugar,	one ounce and a half.

Boil to the consistence of soft jelly; strain, and put it in a cool place. (SARD.)

SPIELMANN; and SWEDIAUR direct six parts of hartshorn to be boiled in seventy-two of water, till reduced to forty-eight; four of white wine to be added, and the boiling to be continued; the liquor to be clarified with white of egg, and one ounce of lemon juice and two ounces of syrup of lemon *é toto* to be added.—LUSIT.; and SUEC.—half a pound of hartshorn to be boiled in seven pounds of water; and two ounces of sugar, half an ounce of white wine, and half an ounce of lemon juice to be added.—AMST.—four ounces of hartshorn, nine pounds of water, reduced to six, half an ounce of wine, one ounce of sugar, and six drams of lemon juice.—BATAV.; and BELG.—four ounces of hartshorn, three pounds of water, one ounce of sugar, half an ounce of wine, and half an ounce of lemon juice.—HISP.—half a pound of hartshorn, four pounds of water, one ounce and a half of sugar, and one scruple of supertartrate of potass.—PALAT.; and WIRTEM.—six ounces of hartshorn, six pounds of water, reduced to one pound, and one ounce of syrup of lemon *é toto*.

R. Hartshorn Shavings, six ounces.
Water, six pounds.

Boil down to one pound, and to the strained decoction add, while hot,

Syrup of Vinegar, four ounces.

Put it into a cool place. (FULD.)

LIPP. prescribes three parts of hot jelly, and one part of syrup of vinegar.—AUGUSTIN.—one part of hartshorn, eight parts of water, reduced to two, and one part of syrup of lemon.

ANALEPTIC JELLY. (SPIELMANN)

R. Hartshorn Shavings, four ounces.
Ivory Shavings, two ounces.
Legs of Old Fowls, broken, three.
Leg of Beef, twenty-four ounces.
Water, one hundred and twenty ounces.

Boil down to thirty ounces, and add

Cinnamon,	one dram.
Cloves,	one scruple.
Lemon,	one half.

Leave the whole on the fire for a quarter of an hour. Add

White Sugar,	four ounces.
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Clarify with white of egg.

PASTE OF SNAILS.

Pasta limacina. (LIPP.; NIEMANN)

R. Snails, any quantity.

Bruise them to a paste, enclose this in a strong cloth, and express. Add to each pound of gelatinous juice

Gum Arabic,	two ounces.
Powdered Sugar,	four ounces.

Evaporate slowly till the mass no longer adheres to the fingers, and pour it into paper moulds sprinkled with starch.

PORTABLE SOUP.

Jusculum siccum, Tabula alimentaria.
(FERR.; BRUGNATELLI; SPIELMANN)

R. Calf's Foot,	two pounds.
Mutton,	five pounds.
Pork,	one pound.
Water,	a sufficient quantity.

Boil these with a little salt, two carrots, two stems of celery, and one scallion; the whole minced finely: towards the end, suspend a clove-bag in the liquor. Remove the meats, and express them; evaporate the decoction, freed from fat, in a water-bath, to the consistence of honey, and pour it upon a polished stone. Finally, cut it in pieces when cold, and dry it in a stove. (BRUGNATELLI)

SPIELMANN prescribes four pounds of calf's feet, sixteen pounds of leg of beef, thirteen pounds of leg of mutton, and four pounds of veal.—FERR.—four calf's feet, twelve pounds of leg of beef, three of fillet of veal, and ten of leg of mutton.

OIL OF EARTH-WORMS.

Oleum Lumbricorum. (BRUNS.; HISP.;
SARD.; WIRTEM.)

R. Earth-worms,	two pounds.
Wine,	six ounces.
Olive Oil,	three pounds.

Boil to the consumption of the humidity, and strain. (HISP.)

R. Earth-worms, washed in wine,	one pound.
Olive Oil,	two pounds.

Boil to the consumption of the humidity, and strain. (BRUNS.; SARD.; WIRTEM.)

OIL OF SCORPIONS.

Oleum Scorpionum. (HISP.; PALAT.;
SARD.; WIRTEM.)

R. Living Scorpions,	one hundred.
Olive Oil,	two pounds.

Digest for three days in a water-bath, and strain. (SARD.)

PALAT.; and WIRTEM. prescribe twenty days' digestion.—HERBIP.—fifteen days' maceration followed by boiling in a water-bath.—HISP.—one hundred scorpions, and three pounds of oil; to be boiled together with a little water.

COMPOUND OIL OF SCORPIONS.

Oleum Scorpionum compositum. (SARD.; WIRTEM.)

R. Scorpions,	fifty.	
Olive Oil,	one pound.	
Root of Round Birthwort,	} of each, six drams.	
— Gentian,		
— Cypress,		
Bark of Caper Root,		

Digest for twenty days in a moderate heat. (WIRTEM.)

R. Oil of St. John's-wort,	four pounds.	
Tops of Scordium,	} of each, two handfuls.	
— Rue,		
— Dittany of Crete,	} of each, one ounce.	
Root of Zedoary,		
— Round Birthwort,		
— Angelica,		
Saffron,	} three ounces.	
Storax,		
Turpentine,	} of each, half an ounce.	
Mithridate,		
Theriac,		
Living Scorpions,	three hundred.	

Digest for three days in a water-bath, the leaves, the roots, and the saffron, in the oil; when cold, express strongly. Then dissolve the storax, the mithridate, and the theriac in the expressed oil, and drown the scorpions in it. Finally digest it for three days in a water-bath, and when cold, express strongly. (SARD.)

This and the preceding oils were employed externally against the bites of venomous animals. They were also rubbed upon the loins and pubis, to facilitate the expulsion of the urine and of calculi.

OIL OF LIZARDS.

Oleum Lacertarum viridium. (SARD.)

R. Green Lizards,	one pound.
Olive Oil,	two pounds.

Digest for three days; then boil a little and express when the oil is cold.

It is supposed to possess the same virtues as the preceding.

OIL OF FROG'S SPAWN.

Oleum Spermatis Ranae. (BRUNS.; WIRTEM.)

R. Frog's Spawn,	} of each, an equal part.
Olive Oil,	

Boil slowly to the consumption of the humidity and express.

This oil, which is reputed anodyne, has been extolled as an application to chilblains.

COURT PLASTER; BLACK-STICKING PLASTER.

Emplastrum Anglicum seu adhesivum Woodstockii seu Ichthyocolle Tele inductum seu adhesivum seu glutinosum, Sericum adhesivum, Tela Ichthyocolle glutinans. (AUSTR.; BAVAR.; DAN.; HISP.; GALL.; FERR.; FENN.; FORM. HÖP. FR.; FULD.; HASS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI; NIEMANN.; PIDERIT.; SPIELMANN.; SWEDIAUR)

R. Isinglass,	thirty two parts.
Water,	one hundred and twenty-five parts.
Alcohol (22 degrees)	two hundred and fifty parts.

Dissolve the isinglass in the water, with the heat of a sand bath, and add the alcohol. Having reduced the liquor to one half by slow evaporation, strain, and spread it while hot, upon strips of silk well stretched, giving them three, four, or five layers. (GALL.; FORM. HÖP. FR.)

The layers of isinglass may be alternated with others of tincture of Peruvian balsam.

HISP.; BRUGNATELLI; and SWEDIAUR direct half an ounce of isinglass to be dissolved in one pound of boiling water; three layers of the solution to be spread upon black silk, and to finish with a fourth layer of tincture of benzoin or of Peruvian balsam.—AUSTR. gives the same process, but replaces the water with proof spirit, and requires tincture of benzoin for the fourth layer.—FENN.; and SUEC. prescribe an aqueous solution of isinglass, twelve or sixteen layers of which are to be put on without adding any tincture.—FERR. prescribes also a solution of isinglass without tincture.

R. Isinglass,	six parts.
Benzoin,	} of each, one part.
Sugar,	
Alcohol,	seventy-two parts.

Dissolve with the aid of heat; strain, and spread the liquid on silk. (BAVAR.; SAX.; NIEMANN)

SPIELMANN directs two ounces of isinglass, one dram of benzoin, and one dram of storax, to be dissolved in twenty-four ounces of alcohol.—HASS.; WIRTEM.; and PIDERIT.—one ounce of isinglass, one dram of benzoin, one dram of storax, and one pound of alcohol.—DAN.; and ROSS.—one ounce of isinglass, one dram of benzoin, and twelve ounces of alcohol.—HERBIP.—one pound of isinglass, six drams of storax, and a sufficient quantity of alcohol.

R. Alcoholic solution of Isinglass,	two ounces.
Peruvian Balsam,	one dram.

Spread three or four layers of this mixture upon silk. (FULD.)

II. Preparations which result from the action of fire on Gelatine.

OIL OF HARTSHORN.

Oleum athereum animale empyreumaticum seu empyreumaticum animale seu animale fetidum seu Cornu Cervi fetidum seu pyro-animale. (ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FULD.; HANN.; HASS.; LIPP.; PALAT.; POL.; BORUS.; ROSS.; SAX.; WIRTEM.; HERBIP.; COXE; PIDERIT)

This is one of the three products of the distillation of hart's horn, described in the article on ammonia.

It is esteemed anthelmintic, anti-hysterical, sedative, diaphoretic, and resolvent.

Dose, a few drops, morning and evening, on sugar.—It is also applied externally.

SUCCINATED OIL OF HARTSHORN. (VAN MONS)

R. Oil of Hartshorn, five parts.
— Amber, six parts.

Distil together, with a feeble but constant ebullition, till the oil from the horn begins to thicken. Rectify the product once or twice.

RECTIFIED OIL OF HARTSHORN; DIPPEL'S ANIMAL OIL.

Oleum pyro-animale depuratum seu animale Dippelii seu animale athereum seu Cornu Cervi rectificatum seu volatile animale seu Dippelii seu empyreumaticum Cornu Cervi rectificatum, Pyroteum Ossium rectificatum. (DUBL.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; GALL.; FENN.; FERR.; FULD.; GENEV.; HANN.; HASS.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI; COXE; PIDERIT; SWEDIAUR; VAN MONS)

Oleum Cornu Cervini rectificatum.
(DUBL.)

R. Of the Oil which ascends in the distillation of the volatile liquor of Hartshorn, three pounds.
Water, six pints.

Distil repeatedly till the oil passes over limpid. It should be kept in a dark place, in small well-stopped bottles.

R. Oil of Hartshorn, two pounds.
Water, four pounds.

Distil one pound, with a gentle heat; separate the oil and preserve it in a dark place. (ANT.; BRUGNATELLI; COXE)

R. Oil of Hartshorn, any quantity.

Put it into a glass retort with the aid of a long funnel, heat it in a sand-bath with a heat not exceeding that of boiling water. Distil one fourth, and preserve it in small well stopped phials in a dark place. (GALL.)

BRUNS.; SARD.; SPIELMANN; and VAN MONS direct the oil to be rectified by portions of several ounces, (about five) stopping when the product begins to be coloured; this to be rectified three or four times, and preserved in phials of the capacity of half an ounce or less.—HASS.; ROSS.; HERBIP.; and PIDERIT—the limpid portion which first passes over, to be separated; the operation to be then continued, and the remainder divided into two portions; the first portion to be rectified once, and the two others, twice.—PALAT.; and WIRTEM. the oil to be first shaken with warm water to take up the salt with which it may be impregnated, and then to distil it two or three times successively.

R. Oil of Hartshorn, four parts.
Vegetable Charcoal, in powder, one part.

Distil very slowly till the product begins to pass over turbid. Preserve it under water, in small bottles stopped with emery. (BATAV.; BELG.)

AUSTR. prescribes a quantity of charcoal sufficient to reduce the oil to a paste.—FENN.; and SUEC.—an equal part of each.—FERR.—two parts of oil, and one part of slaked lime.

R. Oil of Hartshorn, any quantity.

Distil in a sand-bath till no more liquid oil passes over. Make a paste with this and prepared charcoal, and distil again; preserve the oil in phials containing at most two drams. (BAVAR.)

R. Hartshorn, calcined to whiteness, any quantity.

Fill with it a glass retort to one fourth, pour upon it oil of hartshorn, and distil slowly with the heat of a sand-bath. Redistil till the product comes over quite colourless. (HISP.; HERBIP.)

GENEV. directs balls made of calcined bones, to be distilled; and the product to be re-distilled several times with water.

R. Oil of Hartshorn, any quantity.

Pour it through a long funnel into a high cucurbit containing about four ounces of sifted charcoal. Distil slowly in a sand-bath, till the oil which passes begins to thicken; namely, till about one tenth of the oil is re-obtained. Add to this product from two to four parts of water, and re-

distil till the oil begins to be turbid. Put it into phials of the capacity of one dram, containing each a few drops of water, and either place them, reversed, in sand, or cover them with tin-foil, and plunge them in a solution of alum. (FULD.; HANN.; OLDEN.; BORUS.; SWEDIAUR)

POL. gives the same process, but directs the phials to be kept under mercury.

R. Oil of Hartshorn, one pound.
Distilled Water, eight ounces.

Fill to one half a glass retort, and distil half a pound. Put the product into another retort with four ounces of water, and distil again four or five ounces of oil. Mix this again with two ounces of water, and redistil very slowly, three ounces. Preserve this in small phials, under water. (AMST.; DAN.; LIPP.; SAX.)

It is excitant, resolvent, anti-spasmodic,

and sudorific. It has been recommended in convulsions, hysteria, epilepsy, hydrophobia, cephalalgia, hemicrania, otalgia, odontalgia, gout, rheumatism, intermittent fevers, exostosis, arthritic concretions, and glandular engorgements.

Dose, from five to ten drops, on sugar, with æther, or in a cupful of broth.—Externally, it is applied in ointments.

DISTILLED LIQUOR OF FROG'S SPAWN.

Aqua Spermiole seu Spermatis Ranarum.
(PALAT.; SARD.)

R. Frog's Spawn, any quantity.

Distil one third, with the moderate heat of a water-bath. (SARD.)

PALAT. prescribes one part of spawn and three parts of water; one half to be distilled.

GENISTA.—PETTY BROOM.

Four species of this genus of plants are mentioned in pharmacopœias.

1. *Genista sagittalis*, LINN.

SYNONYME:—Genêt herbacé; FR.

HISP.

A plant of the middle of Europe. (*Diadelphia Hexandria*, LINN.; *Leguminosæ*, JUSS.; *Fig. Jac. Flor. Austr. t. 209.*)

The herb and tops (*Herba et Summitates Genistellæ*) are employed. It consists of a branching stem, furnished with foliaceous wings; and of sessile, oval, lanceolated, slightly pubescent leaves, terminated by a spike of small yellow flowers. Its properties are the same as those of the following species.

2. *Genista tinctoria*, LINN.—Dyer's Broom.

SYNONYMES:—Genêt des teinturiers, Genestrolle, FR.; Färbender Ginster, GERM.; Re aw a macho, SPAN.; Gines-tra de'tintori, ITAL.

BRUNS.; HISP.; WIRTEM.; BERGIUS; SPIELMANN.

A shrub of Europe. (*Fig. CEd. Fl. Dan. t. 526.*)

The herb, flowers, and seeds, are employed.

The herb (*Herba Genistæ tinctoriæ seu Cytiso-genistæ*) consists of slender, striated, glabrous branches, and of lanceolated leaves, nearly sessile, and slightly ciliated on the margins.

The flowers are small, yellow, and arranged in terminal bunches.

The seeds are round and black.

This plant is reputed diuretic and purgative. Experience has not confirmed the report made by MARCHETTI of its virtues in mania and hydrophobia.

3. *Genista scoparia*, LMK.

SYNONYMES:—Genêt commun, Genêt à balais, FR.

AMST.; ANT.; BELG.; WIRTEM.; COXE; MURRAY and GMELIN; PARIS; SPIELMANN.

A common shrub of Europe.

The herb, flowers, and seeds, are employed.

The herb consists of slender, cylindrical branches, exhibiting two projecting angles, and furnished with leaves, the superior of which are simple, and the inferior composed of three leaflets.

The flowers are large and yellow.

The seed (*Semen Genistæ angulosæ seu scopariæ*) is yellow, rather flattened and cordiform. It has a bitter taste. The same properties are attributed to this plant as to the preceding.

4. *Genista juncea*, LMK.

SYNONYMES:—Genêt jonciforme, Genêt d'Espagne, FR.

GALL.

A shrub of the middle of Europe. (*Fig. Nouv. Duh. 2. p. 70. t. 22.*)

The herb, flowers, and seeds are employed.

The herb consists of slender branches, furnished with sparse, lanceolated leaves.

The flowers are yellow.

The seeds resemble those of the preceding species.

This plant is said to be diuretic.

CONSERVE OF PETTY BROOM. (VAN MONS)

R. Flowers of Petty Broom, one part.

White Sugar, two parts.
Bruise together, and preserve.

EXTRACT OF PETTY BROOM.

Extractum Genista. (HASS.; PIDERIT)

R. Tops of Petty Broom, one part.
Water, eight parts.

Boil down to one half, express and evaporate the decanted liquor, over a slow fire, to the consistence of a pilular mass.

Dose, from half a dram, to one dram.

GENTIANA.—GENTIAN.

Two species of this genus of plants are employed in medicine:

1. *Gentiana lutea*, LINN.

SYNONIMES:—Gentiane jaune, Grande Gentiane, FR.; Rother Ezian, Bitterwurz, Beyfieberwurz, GERM.; Horec, BOHEM.; Sode, Sodrod, Sodontogæ, Skiersoda, DAN.; Genciana, SPAN.; Gencian, DUT.; Genziana, ITAL.; Korzen Goryczki, POL.; Genciana, PORT.; Baggsæta, SWED.

LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FORM. HOP. 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 plant of the mountains of Europe. (*Pentandria Digynia*, LINN.; *Gentianeæ*, JUSS.; *Fig. Flore Medic. IV. 181.*)

The root (*Radix Gentianæ rubræ seu majoris seu Veterum seu luteæ*) is long, thick, annulated, of the thickness of the thumb, of a reddish-brown without, of a lively orange-yellow within, and of a somewhat spongy texture. It has scarcely any smell, but its taste is very bitter and durable.

It contains a peculiar bitter principle, *Gentianine*, which is the source of its active properties.

2. *Gentiana Catesbæi*, ELLIOTT.—Blue Gentian.

AMER.; COXE.

A plant of the United States. (*Fig. Big. Med. Bot. t. 34.*)

The root is flexuous, branching, and very bitter.

Gentian is administered as a tonic, stomachic, anthelmintic, and febrifuge.—Dose, from ten grains to a dram, of the powder.

STOMACHIC POWDER. (AUGUSTIN; HUFELAND; SAINTE-MARIE)

R. Gentian, } of each, ten grains.
Amber, }
Rhubarb, } four grains.

To be taken at dinner, in the first spoonful of soup. (SAINTE-MARIE)

R. Root of Arum, } of each,
Gentian, } one ounce.
Sweet Flag, }
Ginger, } of each,
Orange Peel, } half an ounce.
Sulphate of Potass, }
Oil of Caraway, } half a dram.

Mix. (HUFELAND)

R. Gentian, } of each, one dram.
Cascarilla, }
Orange Peel, }
Oleo-saccharum of Peppermint, } three drams.

Mix.—Dose, half a dram, several times a day. (AUGUSTIN)

FEBRIFUGE POWDER. (RATIER)

R. Gentian, } half an ounce.
Bistort, } of each, two drams.
Peony, }

This powder is prescribed instead of cinchona, in fevers which do not yield to that medicine.

ANTI-ARTHRITIC POWDER.

FORM. HÔP. FR. ; SARD. ; AUGUSTIN ;
BORIES ; CADET DE GASSICOURT ; NIE-
MANN ; SPIELMANN ; VAN MONS.

R. Gentian, }
Root of Round Birthwort, } of each,
Ground Pine, } an
Tops of Germander, } equal part.
Lesser Centaury, }

Pulverize each separately, and mix. (FORM.
HÔP. FR. ; SARD. ; SPIELMANN)

CADET DE GASSICOURT gives the same
formula, and adds tops of wormwood.—
VAN MONS prescribes one part each of
root of birthwort, of gentian, and of lesser
centaury, and two parts of germander—
NIEMANN—one part each of germander, of
ground pine, of centaury, of round birth-
wort, of sage, and of betony, and eight
parts of guaiac wood.

R. Gentian, }
Root of Pontic Rhubarb, } of each,
Round Birthwort, } half
Leaves of Germander, } an ounce.
Ground Pine, } of each,
Tops of Lesser Centaury, } two drams.

Sub-trito-carbonate of Iron, one ounce.
Subcarbonate of Potass, three drams.
Essential Salt of Cinchona, two drams.

Mix. (BORIES)

Dose, half a dram, in the morning, fast-
ing, in vermicular disorders, in diseases of the
joints, intermittent fevers, and debility of
the stomach.

TONIC BOLUSES.

Boli tonici adstringentes balsamici. (AU-
GUSTIN)

R. Gentian, }
Zedoary, } of each, twenty grains.
Copaiba, }
Syrup of Roses, a sufficient quantity.

Make eighteen boluses.—Dose, two,
thrice a day, in chronic mucous discharges.

AQUEOUS EXTRACT OF GENTIAN.

Extractum Gentianæ. (LOND. ; DUBL. ;
EDINB. ; AMER. ; AMST. ; AUSTR. ; BA-
TAV. ; BELG. ; BAVAR. ; BRUNS. ; DAN. ;
HISP. ; GALL. ; FERR. ; FENN. ; FORM.
HÔP. FR. ; GENEV. ; HANN. ; LIPP. ;
OLDEN. ; LUSIT. ; PALAT. ; POL. ; BO-
RUS. ; ROSS. ; SAX. ; SARD. ; SUEC. ;
WIRTEM. ; COXE ; VAN MONS)

Extractum Gentianæ. (LOND.)

Extractum Radicis Gentianæ luteæ.
(DUBL.)

R. Root of Gentian sliced,
Boiling Water, one pound,
one gallon.

Macerate for twenty-four hours,
and boil down to one half. Strain
the decoction while hot, and evapo-
rate it to a proper consistence.

Extractum Gentianæ luteæ. (EDINB.)

R. Root of Gentian, any quantity.
Boiling water,
eight times its weight.

Cut and bruise the gentian, and
boil it with the water till reduced to
one half: then express, and evaporate
the decoction immediately to the
consistence of thick honey, in a water-
bath.

R. Gentian, one pound.
Cold Water, six pounds.

Macerate for two days; then strain, set
aside, and decant the liquor. Finally eva-
porate it to the consistence of an extract.
(POL.)

GALL. ; and FORM. HÔP. FR. direct one
part of dried root to be infused first in
four, and then in two parts of cold water ;
and the mixed liquors to be strained and
evaporated.

R. Gentian, sliced, any quantity.

Pour upon a sufficient quantity of water
to cover it, and leave it in maceration for
twelve hours; then double the quantity of
water, and macerate again for the same time.
Clarify the united strained liquor, and eva-
porate. (VAN MONS)

R. Gentian, one pound.
Spring Water, six pounds.

Macerate for four days, in a warm place,
and then boil for a short time. Express,
and evaporate to the required consistence.
(BRUNS. ; PALAT. ; WIRTEM.)

R. Gentian, one part.
Water, six parts.

Boil, express, and evaporate over a slow
fire. (LIPP. ; LUSIT. ; ROSS.)

BAVAR. requires one part of gentian and
ten parts of water.—AMER. ; and COXE
give the same formula as LOND.—SARD.—
directs one pound of root to be digested in
six pounds of water for three days; then to
be boiled down to one third, and the liquor
strained and evaporated.—GENEV.—the herb
to be boiled in a sufficient quantity of water,
and the strained and decanted liquor to be
evaporated.—FERR.—one part of root to be
boiled in three parts of water, the strained
liquor to be clarified with white of egg, and
evaporated.

R. Gentian, one part.
Boiling Water, eight parts.

Boil slightly for a quarter of an hour, and strain with expression; boil the residuum with four parts of water, and strain again. Mix the two liquors, decant after sufficient repose, and evaporate to the proper consistence. (DAN.; HANN.; OLDEN.; BORUS.)

AUSTR.; and SUEC. direct the root to be exhausted by several successive boilings; the liquors to be mixed, and evaporated in a water-bath, after decantation.—FENN.—the root to be boiled for a quarter of an hour, with six times its weight of water; to be submitted to a second boiling; and the united liquors to be evaporated.—BRUNATELLI—the same process to be followed, but the first boiling to be prolonged for two hours.—HISP.—two pounds of root to be infused for twenty-four hours and then boiled for two in twenty pounds of water; the residue to be boiled in a fresh quantity of water, till this is reduced to eight pounds: the liquors to be mixed, strained, and evaporated.

R. Gentian, one part.
Water, eight parts.

Macerate for twenty-four hours; then boil for a quarter of an hour, and strain with strong expression; boil again the residue with four parts of water. Mix the decoctions, and after twenty-four hours repose, evaporate to the required consistence. (ANT.; SAX.)

BATAV.; and BELG. prescribe ten parts of water and two hours boiling for the first time, and eight parts for the second.—AMST.—the root to be boiled first with twenty, and then with fifteen pounds of water; reduced each time to one half.

Dose, from twenty to thirty grains.

ALCOHOLIC EXTRACT OF GENTIAN.
(FULD.; HERBIP.)

R. Gentian, any quantity.
Alcohol, a sufficient quantity
to cover the root by four fingers' breadth. Digest in a warm place and decant. Boil the residue with water for an hour, and express. Evaporate the strained decoction to the consistence of honey, adding the tincture towards the end, and stirring continually, that the mass may be homogeneous. (HERBIP.)

FULD. directs one pound of root to be digested in six pounds of proof spirit for several days, and then the alcohol to be distilled; three pounds of boiling water to be poured upon the residue, boiled, expressed, and the decoction evaporated to the consistence of honey; then the alcoholic extract to be added, and the evaporation continued.

The same dose as the preceding.

BITTER BOLUSES. (CADET DE GASSICOURT)

R. Extract of Gentian, } of each,
Wormwood, } one
Catechu, } ounce.
Lesser Centaury, }
Syrup of Cinchona, a sufficient quantity.

Make thirty-six boluses.—Dose, from one to six daily, in intermittent fevers.

TONIC PILLS.

Pilule amaræ. (FULD.; LIPP.; SWEDIAUR)

R. Extract of Gentian, } of each,
Bile, } two drams.
Quassia Wood, in powder, a sufficient quantity.

Make pills of four grains each. (SWEDIAUR)

R. Extract of Gentian, } of each,
Bile, } an equal part.
Hop, }

Mix. (LIPP.)

R. Extract of Gentian, } of each,
Rhubarb, in powder, } an equal part.
Soap, }
Water, a sufficient quantity.

Make a pilular mass. (FULD.)

Dose, from one to three scruples.

STOMACHIC MIXTURE. (SAINTE-MARIE)

R. Extract of Gentian, } of each,
Cascarilla, } two drams.
Peppermint Water, four ounces.

Mix. (FULD.)

SAINTE-MARIE suppresses the cascarilla.

To be taken by spoonfuls.

COMPOUND INFUSION OF GENTIAN.

Infusum Gentiane compositum, Infusum amarum. (LOND.; DUBL.; EDINB.; AMER.; FULD.; GENEV.; SUEC.; CADET DE GASSICOURT; COXE; SAUNDERS; NIEMANN; SWEDIAUR)

R. Gentian, sliced, } of each,
Dried Orange Peel, } one dram.
Fresh Lemon Peel, } two drams.
Boiling Water, twelve fluid ounces.

Macerate for an hour in a lightly-covered vessel, and strain. (LOND.; SUEC.; NIEMANN)

R. Gentian, bruised, two drams.

Dried Orange Peel,
one dram and a half.
Fresh Lemon Peel,
half an ounce.
Proof Spirit, four fluid ounces.
Boiling Water,
twelve fluid ounces.

First, add the spirit to the three former ingredients, then, at the end of three hours, add the water, macerate four days, and strain. (DUBL.)

R. Gentian, sliced, half an ounce.
Dried Orange Peel, } of each,
Coriander Seeds, } one dram.
bruised,
Diluted Alcohol, four ounces.
Water, one pound.

First, add the spirit to the three former ingredients, then, at the end of three hours, add the water; then infuse without heat, for twelve hours, and strain. (EDINB.; AMER.; COXE)

R. Gentian, two drams.
Herb of Lesser Centaury, } of each,
Buckbean, } three drams.
Boiling Water, one pound.

Infuse for several hours, and strain. (FULD.)

R. Gentian, one dram.
Leaves of Cichory, half an ounce.
Chamomile Flowers, half a dram.
Boiling Water, two pounds.

Infuse for half an hour, and strain. (CADET DE GASSICOURT)

R. Gentian, half an ounce.
Dried Orange Peel, two drams.
Boiling Water, twelve ounces.

Macerate for twelve hours, and add to the strained infusion

Tincture of Orange Peel, six drams.

Mix. (SWEDIAUR)

R. Gentian, half an ounce.
Root of Zedoary, one dram.
Orange Peel, two drams.
Boiling Water, a sufficient quantity

to obtain, after two hours' maceration, twelve ounces of strained infusion; add to this

Spirit of Orange Peel, two drams.

Mix. (SAUNDERS)

R. Gentian, two drams.
Tops of Lesser Centaury, half an ounce.
Boiling Water, one pound.

Infuse for four hours, strain, and add
Cinnamon Water, half an ounce.
Mix. (GENEV.)

It is tonic, and is recommended in atony of the stomach.—Dose, three ounces, twice a day.

TONIC INFUSION.

Infusum roborans. (SAUNDERS)

R. Gentian, three drams.
Herb of Buckbean, half an ounce.
Tops of Milfoil, } of each,
Root of Dandelion, } one ounce.
Water, eight ounces.

Heat gradually to the point of ebullition; then digest for three hours, and strain with expression. Add to six ounces of the infusion

Acetate of Potass, two drams.

Spirit of Cinnamon, three drams.

Mix.

ALKALIZED BITTER INFUSION.

Infusum amarum cum Natro. (AUGUSTIN)

R. Gentian, two drams.
Unripe Oranges, one dram and a half.
Lesser Cardamoms, half a dram.
Carbonate of Soda, one dram.
Boiling Water, six ounces.

Infuse for six hours.—Dose, a spoonful, thrice a day, in dyspepsia, and atonic gout.

EMMENAGOGUE INFUSION.

Infusum amarum et Rorismarini. (AUGUSTIN)

R. Root of Sweet Flag, } of each,
Gentian, } one ounce.
Tops of Lesser Centaury, six drams.
Herb of Rosemary, two drams.
Boiling Water, four pounds.

Infuse for six hours, and add

Compound Tincture of Cinchona,
four ounces.

Dose, three ounces, twice a day.

COMPOUND DECOCTION OF GENTIAN.

Decoctum amarum. (GALL.; FERR.; FORM. HÔP. FR.; BRERA; CADET DE GASSICOURT)

R. Gentian, one dram.
Water, two pounds and a half.

Boil for a quarter of an hour, and add

Bitter Species, two drams.

Infuse for two hours, and strain without expression. (GALL.; CADET DE GASSICOURT)

FORM. HÔP. FR. directs one part of gentian

to be boiled with a sufficient quantity of water to obtain one pound of strained liquor; this to be boiled with one part of bitter species, and strained without expression.

R. Gentian, half an ounce.
Water, two pounds.

Boil for two hours, over a slow fire, then infuse in the decoction

Tops of Lesser Centaury, } of each,
Wormwood, }
Root of Sweet Flag, } twodrams.

Strain. (CADET DE GASSICOURT)

R. Gentian, two drams.
Water, forty eight ounces.

Boil for a quarter of an hour, and add

Tops of Lesser Centaury, } of each,
Herb of Blessed Thistle, }
Scordium, } two drams.
Fresh Lemon Peel, }

Infuse in a covered vessel till cold, and decant. (SPIELMANN)

R. Gentian, } of each,
Root of Dog-grass, } one ounce and
a half.

Bark of Ash, } of each,
White Willow, } half an ounce.

Muriate of Ammonia, twenty grains.
Water, three pounds.

Boil for an hour, and strain. (FERR.)

R. Gentian, half an ounce.
Tops of Wormwood, one handful.
Water, three pounds.

Boil down to one half. (BRERA)

It is recommended in dyspepsia, defect of appetite, and during convalescence, while the tongue continues loaded.

Dose, from two to four glassfuls, in the morning.

ÆTHEREOUS BITTER DECOCTION.

Decoctum amarum æthereum. (BRERA.)

R. Bitter Decoction, four ounces.
Peppermint Water, two ounces.
Sulphuric Æther, half a dram.
Mix.—For dyspepsia.

ALCOHOLIZED BITTER DECOCTION.

Decoctum amarum alcoholisatum nervinum. (BRERA)

R. Bitter Decoction, one pound.
Alcohol, one ounce.
SYDENHAM'S Laudanum, half a dram.

Mix.—To be taken in the course of the day.

STOMACHIC BEER. (CADET DE GASSICOURT)

R. Gentian, five ounces.
Lemon Peel, three ounces.

Cinnamon, one dram.
Ale, sixteen pounds.

Infuse without heat for three days, and strain.—Dose, a glassful morning and evening.

WINE OF GENTIAN.

Vinum Gentianæ, Elixir amarum vinosum. (FORM. HÔP. FR.; AUGUSTIN; NIEMANN)

R. Tincture of Gentian, one part.
Red Wine, ten or twenty parts.

Mix. (FORM. HÔP. FR.; NIEMANN)

R. Extract of Gentian, two drams.
Spanish Wine, four ounces.
Essence of Orange Peel, two drams.

Mix.—Half a spoonful to be taken every three hours. (AUGUSTIN)

COMPOUND WINE OF GENTIAN.

Vinum amarum, Infusum amarum vinosum, Vinum amarum cum Spiritu Vini, Vinum Gentianæ compositum. (EDINB.; AMER.; AMST.; BATAV.; BELG.; FENN.; GENEV.; SUEC.; BRUGNATELLI; COXE; CADET DE GASSICOURT; PIERQUIN; SAUNDERS; SPIELMANN; VAN MONS)

R. Gentian, half an ounce.
Cinchona, one ounce.
Dried Orange Peel, two drams.
Canella Alba, one dram.
Proof Spirit, four ounces.
Spanish White Wine, two pounds and a half.

First, pour the spirit on the gentian and cinchona, cut and bruised, and at the end of twenty-four hours, add the wine: macerate for seven days, and strain. (EDINB.)

The same formula is given by AMER.; AMST.; BATAV.; BELG.; BRUGNATELLI; COXE; CADET DE GASSICOURT; and SPIELMANN.

R. Bitter Species, one ounce and a half.
Wine, one pound and a half.

Digest in moderate heat for twelve hours, and strain. (WURCEB.)

R. Gentian, eight parts.
Lesser Cardamoms, in powder, one part.

Madeira Wine, two hundred and fifty-six parts.

Macerate for four days, express, and filter. (VAN MONS)

R. Gentian, one ounce.
Orange Peel, six drams.

Black Pepper, half a dram.
Spanish Wine, one dram.

Digest for four days, and strain. (SUEC.)

VAN MONS prescribes sixteen parts of gentian, twelve of orange peel, one part of black pepper, and one hundred and ninety-two parts of Madeira wine.

R. Gentian, } of each,
Fresh Orange Peel, } one ounce.
Black Pepper, } two drams.
Spanish Wine, } two pounds.

Macerate for four days, and filter. (GENEV.)

R. Gentian, one ounce.
Orange Peel, six drams.
Black Pepper, half a dram.
Ginger, one dram.
Spanish Wine, one pound.

Digest for four days, and filter. (FENN.)

R. Gentian, six drams.
Cinchona, half an ounce.
Dried Orange Peel, two drams.
Red Wine, two pounds.

Macerate for three days, strain, and filter. (CADET DE GASSICOURT)

R. Gentian, one ounce.
Cinchona, one ounce and a half.
Wine, two pounds.

Infuse, and strain. (PIERQUIN)

R. Gentian, } of each,
Root of Sweet Flag, } one ounce.
Tops of Wormwood, } two ounces.
Juniper Berries, } of each,
Bay Berries, } one ounce and a half.
Wine, } three pounds.

Digest in a moderate heat, in a covered vessel. (SAUNDERS)

It is tonic and corroborant.—Dose, one or two ounces, daily, in the morning, fasting.

TINCTURE OF GENTIAN.

Tinctura seu Essentia Gentianæ seu Gentianæ rubræ. (AMST.; ANT.; BATAV.; BELG.; BRUNS.; GALL.; FORM. HÔP. FR.; FULD.; HANN.; HASS.; OLDEN.; PALAT.; POL. BORUS.; SAX.; WIRTEM.; PIDERIT; VAN MONS)

R. Gentian, one part.
Alcohol (22 degrees), four parts.

Digest for six days, and filter. (GALL.; FORM. HÔP. FR.; FULD.)

ANT. and VAN MONS prescribe one part of root, and six parts of alcohol (20 degrees).—BATAV.; and BELG.—one of root, and six of alcohol (15 degrees).—AMST.—one of root, and six of alcohol (0.917 degrees).—HANN.; OLDEN.; POL.; and BORUS.—five ounces of root, and two pounds of rectified spirit.—SAX.—one part of root, and four parts of rectified spirit.—BRUNS.; HASS.; PALAT.; WIRTEM.; and PIDERIT— one of root, and five of rectified spirit.

It is tonic, stomachic, and febrifuge.—Dose, from sixty to one hundred drops.

COMPOUND TINCTURE OF GENTIAN.

Tinctura amara seu Gentianæ composita, Elixir stomachicum. (LOND.; DUBL.; EDINB.; AMER.; BATAV.; HANN.; POL.; BORUS.; SAX.; WIRTEM.; BRUGNATELLI; COXE; CADET DE GASSICOURT; SPIELMANN; SWEDIAUR; VAN MONS)

R. Gentian, sliced, two ounces.
Dried Orange Peel, one ounce.
Cardamom Seeds, bruised, half an ounce.

Proof Spirit, two pints.

Macerate for fourteen days, and filter. (LOND.)

DUBL. gives the same formula, but requires only seven days' maceration.

R. Gentian, sliced, two ounces.
Dried Orange Peel, one ounce.
Canella Alba, bruised, half an ounce.

Cochineal, in powder, half a dram.
Proof Spirit,

two pounds and a half.

Digest for seven days, and filter. (EDINB.)

AMER.; WIRTEM.; COXE; NIEMANN; and SWEDIAUR give the same formula as LOND.

BRUGNATELLI; CADET DE GASSICOURT; and SPIELMANN give the same as EDINB.

R. Gentian, in powder, two ounces.
Compound Cinnamon Powder, one ounce.

Proof Spirit, two pounds and a half.

Infuse for four days, and filter. (LUSIT.)

R. Gentian, one ounce and a half.
Orange Peel, three ounces.
Cochineal, one hundred and twenty-eight ounces.
Proof Spirit, two drams.

Infuse without heat for three weeks, occasionally shaking the vessel, and filter. (VAN MONS)

R. Gentian, one part and a half.
Dried Orange Peel, one part.
Fresh Lemon Peel, one half part.
Spirit of Coriander, twenty parts.

Infuse without heat for several days, and filter. (VAN MONS)

BATAV.; and BELG. prescribe two ounces of gentian, one ounce of orange peel, one ounce and a half of canella alba, and two

pounds of spirit (15 degrees), to be digested for four days.

R. WINTER'S Bark, one part.
Proof Spirit, forty-two parts.

Infuse without heat for three days; then add

Orange Peel, two parts.
Gentian, four parts.

Macerate without heat for several days; then express, and filter. (VAN MONS)

R. Gentian, } of each,
Unripe Oranges, } two
Tops of Lesser Centaury, } ounces.
Root of Zedoary, } one ounce.
Alcohol, } three pounds.

Digest for eight days, express, and filter. (HANN.; POL.; BORUS.; SAX.)

R. Gentian, } of each,
Root of Galanga, } six parts.
Sweet Flag, }
Zedoary, }
Leaves of Blessed Thistle, }
Orange Peel, } four parts.
Rhubarb, } three parts.
Lesser Cardamoms, } one part and a half.
Cochineal, } one part.
Proof Spirit, } two hundred and forty parts.

Infuse without heat for three days, then in a moderate heat, for twelve hours. Express lightly, and filter. (VAN MONS)

It would be easy to prepare this tincture extemporaneously, simply by adding to that of gentian, that of galanga, of cardamoms, or of zedoary. It is very similar in its properties to the compound tincture of wormwood.

It is tonic and stomachic.—Dose, from fifty to eighty drops.

CORROBORANT TINCTURE.

Tinctura roborans, Elixir amarum vinosum.
(AUGUSTIN; HUFELAND)

R. Gentian, } of each, three drams.
Cinnamon, }
Cinchona, } one ounce.
Proof Spirit, } eight ounces.

Strain after twenty-four hours' digestion. (AUGUSTIN)

R. Gentian, two ounces.
Root of Avens, one ounce and a half.
Oak Bark, two ounces.
Orange Peel, half an ounce.
Alcohol, sixteen ounces.
Peppermint Water, eighteen ounces.

Digest, and strain. (HUFELAND)

BITTER ESSENCE.

Essentia amara. (SPIELMANN)

R. Gentian, } of each, one ounce.
Root of Avens, } one ounce.

Unripe Oranges, }
Herb of Wormwood, }
Fumitory, } of each,
Blessed Thistle, } half
Buckbean, } an ounce.
Milfoil, }
Chamomile Flowers, }
Tops of Lesser Centaury, }
Alcohol, } twenty-four ounces.

Digest, and filter.

It is reputed stomachic, carminative, and anthelmintic; and is recommended in bilious diseases, chlorosis, leucorrhœa, and intermittent fevers.—Dose, thirty drops.

ALKALINE TINCTURE OF GENTIAN. (GALL.; BRUGNATELLI; CADET DE GASSICOURT; NIEMANN; PIERQUIN; RATIER; VAN MONS)

R. Gentian, one ounce and a half.
Subcarbonate of Potass, one dram.
Proof Spirit (22 degrees), two pounds.

Macerate for fifteen days, and filter. (RATIER)

VAN MONS prescribes four parts of gentian, one part of the salt, and one hundred and twenty-eight parts of proof spirit.—BRUGNATELLI; and NIEMANN—one dram and a half each, of gentian and of the salt, and thirty ounces of alcohol (20 degrees)—CADET DE GASSICOURT; and PIERQUIN—one ounce of gentian, two drams of the salt, and two pounds of proof spirit.—NIEMANN—five drams of gentian, six of the salt, and two pounds of alcohol.—PEYRIEHE, the author of this and of the preceding formulae, distinguished them by giving to the elixir the title of *strong*.

R. Gentian, one ounce.
Subcarbonate of Ammonia, two drams.
Alcohol (12 degrees), two pounds.

Digest for four days, express, and filter. (GALL.)

R. Gentian, one dram.
Subcarbonate of Potass, one ounce and a half.
Proof Spirit, two pounds.

Digest for fifteen days, and filter. (CADET DE GASSICOURT)

This last preparation is known by the name of DUBOIS' *Elixir*.

The alkaline tincture of gentian is recommended in scrofula.—Dose, a tea-spoonful, twice or thrice a day.

COMPOUND ALKALINE TINCTURE OF GENTIAN.

Tinctura salina composita. (OLDEN.; ROSS.; CADET DE GASSICOURT; PIDERIT; SPIELMANN)

R. Gentian, } of each,
Tops of Lesser Centaury, } one ounce.

- Herb of *Mentha Crispa*, } of each,
 ———— *Buckbean*, } one ounce.
 Root of *Zedoary*, } six drams.
 Alcohol, } thirty ounces.
 Subcarbonate of Potass, } two drams.
 Digest, express, and filter. (OLDEN.)
- R. Gentian, } four ounces.
 White Wine, } one pound.
 Digest for two days, express, and add
 Extract of Quassia, } one ounce.
 Solution of Subcarbonate of Potass, } four ounces.
 Rectified Alcohol, } two ounces.
 Digest for several hours, in a sand-bath,
 and filter. (PIDERIT)
- R. Orange Peel, } of each, three ounces.
 Gentian, }
 Water, } thirty-six ounces.
 Supertartrate of Potass, } twelve ounces.
 Digest for four days, and add
 Alcohol, } eighteen ounces.
 Filter. (SPIELMANN)

Ross. prescribes one ounce of orange peel, one ounce of gentian, one pound of water, four ounces of subcarbonate of potass, and four ounces of alcohol.—CADET DE GASTICOURT—two ounces of orange peel, four ounces of gentian, two pounds and a half of water, fifteen ounces of subcarbonate, and two ounces of alcohol.

This tincture has a great analogy with the alkalized bitter wine, or with HOFFMANN'S balsamic elixir; and may be used in the same cases.

TONIC POTION.

- R. Compound Tincture of Gentian, } one ounce.
 Aromatic Sulphuric Acid, } one dram.
- Mix.—Dose, a tea spoonful, three or four times a day, with sweetened water; in dyspepsia.

GENTIANIA.—GENTIANINE.

Gentia, *Gentiana*.

FERR.; HENRI.

- R. Root of Gentian, in powder, }
 any quantity.

Exhaust it with sulphuric æther; then, having distilled the mixed æthereal tinctures, treat the residuum at several times with cold alcohol (22 degrees). Distil the mixed alcoholic tinctures, and evaporate the residuum to dryness. Mix the residuum then with an excess of pure magnesia, and treat the precipitate which forms, first with sulphuric æther, then with oxalic acid, then with sulphuric æther again; and finally distil off the æther.

It is a very powerful bitter.

SYRUP OF GENTIANINE. (FERR.; BORIES;
 FEE; HENRI; MAGENDIE)

- R. Gentianine, } sixteen grains.
 Syrup, } one pound.

Make the syrup slightly warm, and add the gentianine, dissolved, to it.

TINCTURE OF GENTIANINE. (FERR.; FEE;
 BORIES; MAGENDIE; PIERQUIN)

- R. Gentianine, } five grains.
 Alcohol (24 degrees), } one ounce.

Mix.

This tincture might properly replace that of gentian. It is prescribed in the same cases and in the same doses.

ALKALINE TINCTURE OF GENTIANINE.
 (PIERQUIN)

- R. Gentianine, } half an ounce.
 Subcarbonate of Potass, } of each,
 ———— Iron, } one dram.
 Alcohol (22 degrees), } one pound.

Digest.

It is recommended in scrofula.—Dose, a tea-spoonful, morning and evening.

GEOFFRÆA.

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

1. *Geoffræa* (*Geoffroya*, EDINB.) *inermis*,
 SWED.—Worm Bark, Cabbage Tree Bark.

SYNONIMES;—*Geoffræa* de la Jamaïque,
 FR.; Kohlbaum, Wurmrinde, GERM.;
 Orimbarktræe, DAN.; Maskbark, SWED.

EDINB.; DUBL.; BATAV.; DAN.; HISP.; FERR.; HASS.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; BRUNS.; COXE.; MURRAY and GMELIN.; SPIELMANN.

A tree of Jamaica. (*Diadelphia Decandria*, LINN.; *Leguminosæ*, JUSS.; *Fig. Phil. Trans.* 1777, tab. 10).

The bark (*Cortex Geoffræa* seu *Geoffræa Jamaicensis* seu *Cabbagei*) is employed. It is in pieces of the length of from several inches to a foot, and from a quarter of a line to half a line in thickness; flat or quilled, fibrous, of a reddish-grey colour externally, and of a blackish-grey internally, covered with a brownish-grey or greenish-yellow epidermis easily detached. Its odour is disagreeable, and its taste strong and bitter.

2. *Geoffræa Surinamensis*, WILLD.—

AMST.; ANT.; BATAV.; BELG.; DAN.; HANN.; HASS.; POL.; SAX.; MURRAY and GMELIN.

A tree of Surinam. (*Fig. Bondt. Diss. de Cort. Geoff. Surin.* Leyd. 1788.)

The bark (*Cortex Geoffræa* seu *Geoffræa Surinamensis*) is employed. It is in flat pieces of from six to twelve inches in length, several inches in breadth, and from three to six lines in thickness; under an epidermis covered with grey or yellowish lichens, smooth, and of reddish-brown or brownish-grey colour, is found a fibrous, lamellated, yellowish or rust-coloured tissue. Its fracture is splinty: it has a scarcely sensible odour, and a bitter and austere taste.

These two barks are classed among the anthelmintics; in a large dose they excite vomiting.

Dose, of the powder, thirty grains, to adults; ten, to children of ten years of age; and half a grain to infants; repeated three or four times a day.

HUTTENSCHMID has discovered in them two new substances, probably of an alkaline nature, to which he has given the names of *Jamaicine* and *Surinamine*.

EXTRACT OF GEOFFRÆA.

Extractum Geoffrææ. (AMST.; ANT.; BATAV.; BELG.; DAN.)

R. Geoffræa Bark, one part.
Water, eight parts.

Boil for a quarter of an hour, and express. Boil the residue with four parts of water, and express again. Mix the decoctions, decant after sufficient repose, and evaporate slowly to the consistence of an extract. (ANT.; DAN.)

BATAV.; and BELG. require twenty-four hours maceration and two hours boiling

with ten parts of water; then a second boiling with eight parts of water, for two hours.—AMST.—the bark to be boiled, at first with twenty, and then with fifteen, parts of water; to be reduced each time to one half.—Dose, three grains.

DECOCTION OF WORM BARK.

Decoctum Geoffrææ inermis seu *Jamaicensis*, *Decoctum anthelminticum.* (EDINB.; COXE.; ELLIS.; NIEMANN.; SWEDIAUR)

R. Worm Bark Bruised, one ounce.
Water, two pounds.

Boil down to one half and strain. (EDINB.; COXE.; ELLIS.; SWEDIAUR)

NIEMANN prescribes, after DR. MONRO, one ounce of bark and thirty-two ounces of water to be reduced to eight.

It is anthelmintic.—Dose, four spoonfuls, three or four times a day, of the latter decoction.

DECOCTION OF SURINAM GEOFFRÆA.

Decoctum Geoffrææ Surinamensis. (NIEMANN)

R. Bark of Surinam Geoffræa, two ounces.
Spring Water, thirty-two ounces.

Boil to one half, and add

Alcohol, four ounces.

R. Geoffræa Bark, half an ounce.
Spring Water, six ounces.

Boil for half an hour, and add to the strained decoction,

Tincture of Geoffræa, one ounce.

Syrup of Orange Peel, half an ounce.

Mix.

It is anthelmintic.—The second decoction is to be taken in doses of a spoonful, every hour. As to the first, two ounces of it are to be taken on the first day, which most frequently occasions three moderate dejections with feelings of nausea: on the second, the same dose, which augments the nausea, and provokes vomiting and watery dejections: on the the third day, the remainder of the decoction is to be taken by glassfuls, which produces vomiting and mucous dejections accompanied with worms: on the fourth day, a purgative, composed of calomel and of jalap, is to be administered.

TINCTURE OF GEOFFRÆA. (AMST.; ANT.; BATAV.; BELG.)

R. Bark of Surinam Geoffræa, one part.
Alcohol (20 degrees), eight parts.

Digest for six days. (BATAV.; BELG.)
AMST. prescribes one part of bark, eight

parts of alcohol (0.907), and eight days' digestion.

R. *Geoffræa* Bark, one ounce.
Alcohol (20 degrees) four ounces.
Digest for four days, and express. Pour upon the residue,

Alcohol (20 degrees), two ounces.
Digest again for two days, and strain.
Mix and filter the two tinctures. (ANT.)

It is excitant and anthelmintic.—Dose, from ten to sixty drops.

GERANIUM.

Five species of this genus of plants occur in pharmacopœias :

1. *Geranium rotundifolium*, LINN.—Dove's Foot.

SYNONIME :—Bec-de-grue à feuilles rondes, FR.

GALL.

A plant of Europe. (*Monadelphia Decandria*, LINN.; *Geraniaceæ*, JUSS.; *Fig. Cav. Diss. 4. p. 214. t. 93. fig. 2.*)

The herb (*Herba Pedis Columbi*) is composed of a branching stem, furnished with slightly petiolated leaves, rounded and slightly cut into five obtuse lobes. Its taste is saline.

It is stimulant.

2. *Geranium pratense*, LINN.

SYNONIME :—Bec-de-grue des près, FR.

GALL.

A plant of Europe. (*Fig. Cav. Diss. 4. p. 210. t. 87. f. 1.*)

The herb (*Herba Geranii batrachioides*) consists of a branching, hairy stem, and of large, opposite, hairy leaves, deeply cut into five or seven pinnatifid divisions.

It is stimulant.

3. *Geranium Robertianum*, LINN.—Herb Robert.

SYNONIMES :—Bec-de-grue Robertin, Herbe à Robert, FR.; Rupertskraut, GERM.; Robertskruid, DUT.

BRUNS.; GALL.; GENEV.; WIRTEM.; MURRAY and GMELIN.; PIDERIT.; SPIELMANN.

A plant of Europe. (*Fig. Cav. Diss. 4. p. 215. t. 86. f. 1.*)

The herb (*Herba Ruperti* seu *Geranii Robertiani*) consists of a branching, pubescent stem, furnished with opposite leaves, having three or five lobes, which are also cut into several divisions. It has a strong and disagreeable odour, and an austere, saline, and slightly styptic taste.

It is feebly astringent.

4. *Geranium sanguineum*, LINN.

SYNONIME :—Bec-de-grue Sanguin, FR.

GALL.

This plant is common in France. (*Fig. Dill. Ellh. t. 136. f. 163.*)

The root and herb are employed.

The root (*Radix Sanguinarie* seu *Geranii sanguinei*) is hard, rather woody, and of a reddish-brown colour.

The herb is composed of a branching stem, and of opposite, petiolated, rounded leaves, having five or seven trifid divisions.

It is slightly astringent.

5. *Geranium maculatum*, LINN.—Spotted Geranium, Crane's Bill.

SYNONIMES :—Bec-de-grue tacheté, Herbe à Becquet, FR.; Geflechter Storchsschra-bel, GERM.

AMER.; COXE.

A plant of North America. (*Fig. Cav. Diss. 4. t. 86. f. 2.*)

The root is employed. It is very astringent.

GEUM.—AVENS.

Two species of this genus of plants are employed in medicine :

1. *Geum urbanum*, LINN.—Avens, Herb Bennet.

SYNONIMES :—Benfite commune, FR.; Benediktenkraut, Benediktenwurz, Saramundenkraut, Nelkenwurz, Benediktensgleinwurz, GERM.; Bendykt, Benedyktowi Koren, BOHEM.; Helliherod,

DAN.; Cariofilata, SPAN.; Nagelwortel, DUT.; Gariofillata, ITAL.; and PORT.; Zarzycka, POL.; Neglikerot, SWED.

DUBL.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; GENEV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; WURCEB.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and GMELIN.; SPIELMANN.; ZARDA.

This plant grows in every part of Europe. (*Icosandria Polygynia*, LINN.; *Rosaceæ*, Juss.; *Fig. Flore Medic. t. 64.*)

The root (*Radix Caryophyllatæ seu Gei seu Sanamundæ seu Lagophthalmi*) is employed. It is oblong, thick, and covered with brown, thin, dry scales. Its colour is yellowish-white, internally approaching to reddish, and ordinarily provided with a red receptacle. Its odour is aromatic, analogous to that of cloves, but much weaker; its taste is very aromatic, rather styptic and bitterish.

It contains tragacanthine, gum, an essential oil heavier than water, and a resinoid principle analogous to that of cinchona.

It is astringent and tonic.

Dose, from a scruple to two drams, of the powder.

2. *Geum rivale*, LINN.—Water Avens.

SYNONIMES:—Benoite des ruisseaux, FR.; Wasserbenedikwurtz, Sumpfsmaerzwurtz, Wiesengaraffel, GERM.; Beekig nagelwortel, DUT.

AMER.; BRUNS.; FULD.; ROSS.; WIRTEM.; PH. SYPH.; BERGIUS.; COXE.; MURRAY and GMELIN.

A plant common throughout Europe, on the borders of streams. (*Fig. Zorn, Ic. pl. t. 175.*)

The root (*Radix Caryophyllatæ aquaticæ seu Benedicæ sylvestris*) is employed. It is of the thickness of a goose-quill, sometimes branching at its superior part, terminated inferiorly by numerous fibrils. It is of a brown or reddish-brown colour externally and white internally.

It has the same properties as the preceding.

POWDER OF AVENS. (MIL. COPEN.)

R. Root of Avens, } of each,
 Gum Arabic, } half an ounce.
 Make a powder.—Dose, half a dram.

POWDER OF AVENS AND OF RHUBARB.
 (MIL. COPEN.)

R. Root of Avens, } of each,
 Gum Arabic, } half an ounce.

Rhubarb, one dram.
 Mix.—Dose, one scruple.

FEBRIFUGE POWDER.

Pulvis febrifugus Pauperum. (FULD.)

R. Root of Avens, six drams.
 Muriate of Ammonia, two drams.

Mix.—Dose, from half a dram to two scruples.

TINCTURE OF AVENS.

Tinctura seu Essentia Caryophyllatæ seu Gei urbani. (DAN.; OLDEN.; SAX.)

R. Root of Avens, one ounce.
 Rectified Spirit, half a pound.

Digest without heat, in a close vessel, shaking frequently. (OLDEN.)

SAX. prescribes one part of root, four parts of alcohol, and eight days' digestion in a moderate heat.—DAN.—one part of root, five parts of alcohol, and four days' digestion.

It is stimulant.—Dose, half an ounce, thrice a day.

EXTRACT OF AVENS.

Extractum Caryophyllatæ. (SAX.)

R. Root of Avens, one part.
 Water, eight parts.

Macerate for twenty-four hours; then boil for a quarter of an hour, and express strongly: boil the residue with four parts of water. Mix the two decoctions, set the liquor aside for twenty-four hours, and evaporate to the proper consistence.

DECOCTION OF AVENS.

Decoctum Radicis Caryophyllatæ. (NIE-MANN)

R. Root of Avens, one ounce.
 Spring Water, one pound and a half.

Boil down to two thirds, and add when strained,

Syrup of Orange Peel, half an ounce.

Mix.

It is astringent and nervine.—To be taken by glassfuls.

ÆTHEREOUS DECOCTION OF AVENS.

Decoctum Radicis Caryophyllatæ seu Gei urbani. (MIL. COPEN.)

R. Root of Avens, sliced, one ounce.
 Water, twelve ounces.

Boil down to eight ounces, express, and add to the liquor when cold,

Sulphuric Æther, two drams.

Mix.—Dose, one ounce.

ÆTHEREOUS DECOCTION OF AVENS WITH
CASCARILLA.

Decoctum Radicis Caryophyllatæ cum Cas-
carilla. (MIL. COPEN.)

R. Root of Avens, one ounce.
Cascarilla, two drams.
Water, twelve ounces.

Boil down to eight ounces; express, and
add to the cold decoction

Sulphuric Æther, two drams.

Mix.—Dose, half an ounce.

ÆTHEREOUS DECOCTION OF AVENS WITH
RHUBARB.

Decoctum Radicis Caryophyllatæ cum Rheo.
(MIL. COPEN.)

R. Æthereous Decoction of Avens, eight ounces.
Aqueous Tincture of Rhubarb,
half an ounce.

Mix.—Dose, half an ounce.

GILLENIA TRIFOLIATA, M.E.—BEAUMONT ROOT, INDIAN PHYSIC.

AMER.; COXE.

A shrub of North America. (*Tetrandria*

Monogymia, LINN.; *Rosaceæ*, JUSS.; *Fig.*
Pluk. Alm. 236. tab. 5.)

The bark of the root is emetic.

GLADIOLUS COMMUNIS, LINN.—REED CORN FLAG.

SYNONIMES:—*Glayeul commun*, FR.;
Siegwurz, *Siegwurzweiblein*, *Arkersch-*
werdtsiegwurz, GERM.

BRUNS.; WIRTEM.; SPIELMANN.

A plant of the umbrageous forests of the
middle of Europe and of Barbary. (*Trian-*

dria Monogymia, LINN.; *Irideæ*, JUSS.; *Fig.*
Bull. Herb. t. 9.)

The root (*Radix Victorialis rotundæ* seu
femineæ) is employed. It is composed of
rounded tubercles, solid, inodorous, and
insipid.

It contains an abundant quantity of starch.

GLAUCIUM CORNICULATUM, PERS.—YELLOW HORNED POPPY.

SYNONIMES:—*Pavot cornu*, FR.; *Horn-*
magsaamen, *Hornmohn*, *Hoernermohn*,
GERM.; *Hornel valmue*, DAN.; *Ador-*
midera Marina, SPAN.; *Heulachtig*
schelkruid, DUT.; *Papavero cornuto*,
ITAL.; *Nigreta*, PORT.; *Hornig Val-*
moge, SWED.

GALL.

A plant of the temperate climates of Eu-
rope. (*Polyandria Polygynia*, LINN.; *Pa-*
paveraceæ, JUSS.; *Fig. CEd. Fl. Dan.* t.
585.)

The root (*Radix Chelidonii glauci* seu
Papaveris corniculati) is employed. It is
long and blackish. It has a nauseous odour
and bitter taste.

It is resolvent and diuretic.

GLECHOMA HEDERACEA, LINN.—GROUND IVY.

SYNONIMES:—*Lierre terrestre*, FR.; *Gun-*
dermann, *Erdephengundermann*, GERM.;
Poponec, BOHEM.; *Vedbende*, DAN.;
Hiedra terrestre, SPAN.; *Aardveil*, DUT.;

Ellera terrestre, ITAL.; *Blusezyk* *Ziem-*
ny, *Kurdwan*, POL.; *Hera terrestre*,
PORT.; *Jordrefwa*, SWED.

AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BRUNS.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HANN.; LIPP.; OLDEN.; POL.; BORUS.; SAX.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; BERGIUS.; BRUGNATELLI.; GUIBOURT.; MURRAY and GMELIN.; PIDERIT.; SPIELMANN.; ZARDA.

This plant grows in every part of Europe. (*Didymia Gymnospermia*, LINN.; *Labia*, JUSS.; *Fig. Zorn, Ic. pl. t. 73.*)

The herb (*Herba Hedera terrestris* seu *Chamaeclema* seu *Calamintha humilioris*) is employed. It consists of a quadrangular, slender, branching stalk, furnished with reniform or cordiform, crenulated leaves. Its odour is strong and aromatic when bruised; its taste is somewhat acrid, bitter, and slightly balsamic.

It is stimulant and expectorant.

Dose of the juice, from one ounce to three ounces.

PECTORAL SPECIES. (GALL.; POL.; ROSS.; CADET DE GASSICOURT.; FEE)

R. Leaves of Ground Ivy, }
 ——— Maidenhair, } of each,
 ——— Speedwell, } an equal part.
 ——— Hyssop, }

Cut and mix. (GALL.; CADET DE GASSICOURT)

R. Ground Ivy, }
 Speedwell, } of each, six parts.
 Coltsfoot, }
 Root of Liquorice, } of each,
 Stalks of Bitter-sweet, } two parts.

Cut and mix. (ROSS.; FEE)

R. Pearl Barley, four ounces.
 Root of Liquorice, }
 Herb of Coltsfoot, } of each,
 ——— Ground Ivy, } two ounces.
 ——— Speedwell, }
 Flowers of Red Poppy, } of each,
 ——— Lesser Mullein, } one
 Seeds of Anise, } ounce.
 Dried Figs, three ounces.

Cut and mix. (POL.)

CONSERVE OF GROUND IVY. (AUSTR.; HISP.; PALAT.; WIRTEM.; CADET DE GASSICOURT.; VAN MONS)

R. Flowering Herb of Ground Ivy, one part.
 White Sugar, two parts.

Beat together, and heat in a water-bath, till the sugar is melted. (VAN MONS)

R. Flowering Herb of Ground Ivy, in powder, half an ounce.
 Distilled Water of Ground Ivy, a sufficient quantity.

White Sugar, in powder, one pound.

Mix. (CADET DE GASSICOURT)

R. Fresh Leaves of Ground Ivy, one pound.
 White Sugar, two pounds.

Beat together. (HISP.; PALAT.; WIRTEM.)
 AUSTR. prescribes one pound of leaves and three pounds of sugar.

Dose, from a scruple to a dram.

EXTRACT OF GROUND IVY.

Extractum Glechomæ hederaceæ. (FERR.; SARD.; WIRTEM.)

R. Herb of Ground Ivy, one pound.
 Spring Water, six pounds.

Digest for four hours, and then boil a little. Express, and evaporate to the consistence of an extract.

INFUSION OF GROUND IVY. (FORM. HÔP. FR.; RATIER)

R. Leaves of Ground Ivy, two drams.
 Boiling Water, two pounds.

Infuse, and strain. (RATIER)

R. Leaves of Ground Ivy, two drams.
 Liquorice, grated, one dram.
 Water, a sufficient quantity

to obtain two pounds of strained infusion. (FORM. HÔP. FR.)

This is prescribed in catarrhal affections, to promote expectoration.

PECTORAL INFUSION.

Infusum pectorale. (SWEDIAUR)

R. Leaves of Ground Ivy, } of each,
 ——— Coltsfoot, } one ounce.
 Root of Liquorice, half an ounce.
 Boiling Water, two pounds.

Macerate for two hours, and strain.

To be taken in the course of the day.

This infusion has been recommended in phthisis pulmonalis.

SYRUP OF GROUND IVY.

Syrupus Hederae terrestris. (BRUNS.; HISP.; GALL.; SARD.; WIRTEM.; VAN MONS)

R. Fresh Leaves of Ground Ivy, half a pound.
 Boiling Water, three pounds.

Infuse for twelve hours; then strain, and add to the liquor

White Sugar, twice its weight.

Make a syrup in a covered vessel. (GALL.)

HISP. prescribes two ounces of fresh leaves, two pounds of water, and four pounds of sugar.—BRUNS.—one pound and a half of leaves, two pounds of water, and sixteen ounces of sugar to each nine ounces

of infusion.—SARD.—simply one part of sugar to two parts of infusion.

R. Fresh Leaves of Ground Ivy, four ounces.
Distilled Water of Ground Ivy, one pound.

Infuse, express, and add to every nine ounces of the infusion

White Sugar, sixteen ounces.

Strain the syrup, after having given it a single boil. (WIRTEM.)

R. Depurated Juice of Ground Ivy, } of each,
Syrup, } two
pounds.

Make a syrup. (SARD.)

R. Fresh Leaves of Ground Ivy, any quantity.

Bruise them without adding water, and express the juice; coagulate the liquor at

the fire, and add to five parts of it, sugar nine parts, and make a syrup. (VAN MONS)

Dose, from one to two ounces.

HAGUENOT'S WHEY. (PIERQUIN)

R. Cow's Milk, two pounds.

Coagulate it by boiling under slight pressure, and clarify it with white of egg. Add to it, boiling, seven or eight pinches of ground ivy leaves, and sweeten with sugar.

It is recommended to be taken, fasting, in cases of vesical and renal gravel.

ESSENCE OF GROUND IVY.

Essentia Glechomæ hederæ. (BRUNS.)

R. Herb of Ground Ivy, one ounce.
Spirit of Juniper, four ounces.

Digest, express, and filter.

It is stimulant, and reputed pectoral.

GLOBULARIA VULGARIS, LINN.—FRENCH DAISY.

SYNONIMES :—Globulaire commune, FR.; Kugelblume, GERM.; Kugelblomst, DAN.; Kogelkruid, DUT.; Bergskubba, SWED.

GALL.; MURRAY and GMELIN.

A plant of Europe, growing in dry and mountainous districts. (*Tetrandria Mono-*

gynia, LINN.; *Globularia*, CAND.; Fig. Lob. t. 478.)

The herb (*Herba Globulariæ*) is employed.

It consists of a stem furnished with a great number of lanceolated and glabrous leaves.

It has a bitter taste.

GLYCYRRHIZA.—LIQUORICE.

Two species of this genus of plants are employed in medicine :

1. *Glycyrrhiza glabra*, LINN.—Liquorice.

SYNONIMES :—Régliſſe commune, FR.; Süszholz, Lakritzenholz, GERM.; Us-sulsus, ARAB.; Lekorice, Sladky koren, Sladky drewo, BOHEM.; Wellmie, Olinde, CYNG.; Lakrits, DAN.; and SWED.; Mittie luckerie, DUK.; Rôgaliza, SPAN.; Jetimadh, HIND.; Zoethout, DUT.; Regolizia, ITAL.; Oyot manis, JAV.; Urat manis, MAL.; Bikhmekeh, PERS.; Kor-sen lakrecyawy czyli stodni, POL.; Al-cacáz, PORT.; Dubez solotko, RUSS.; Maduko, Yastimadhuka, SANS.; Addi-modrum, TAM.

LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HAMB.;

HANN.; HASS.; LIPP.; OLDEN.; LU-SIT.; POL.; CAST. BORUS.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HER-BIP.; WURCEB.; AINSLIE.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and GMELIN.; PARIS.; PIDE-RIT.; SPIELMANN.; PH. SYPH.; ZARDA.

A plant which grows in the warm and temperate climates of Europe. (*Diadelphia Decandria*, LINN.; *Leguminosa*, JUSS.; Fig. Flore Medic. VI. 293.)

The root (*Radix Liquiritiæ* seu *Glycyrrhizæ*) is employed. It is very long, cylindrical, branching, and ligneous; of the thickness of a finger; of a dull fawn colour without, and yellowish within. Its taste is sweet and somewhat mucilaginous, becoming rapid and slightly bitter after having been chewed for a long time.

It contains, according to ROBIQUET, starch, albumen, an acrid volatile oil, a peculiar saccharine principle called *Glycyrrhi-*

zine (or *Sacco-gummite*), and another crystallizable principle, equally peculiar, called *Agedoide*.

2. *Glycyrrhiza echinata*, LINN. Spiny Liquorice.

SYNONIMES: — Réglisse épineuse, FR.; Igelsschottensüssholz, GERM.

DAN.; FENN.; HANN.; HASS.; OLDEN.; BORUS.; ROSS.; MURRAY and GMELIN.

A plant of Asia and of the middle of Europe. (*Fig. Jacq. Hort. Vind. I. p. 41. t. 95*)

The root is employed. It resembles the preceding, but is thicker.

PECTORAL SPECIES. (BATAV.)

- R. Root of Wallflower, two ounces.
 ——— Liquorice, one ounce and a half.
 Herb of Speedwell, } of each,
 ——— Ground Ivy, } one handful.
 ——— St. John's-wort, }
 ——— Lesser Centaury, } three pinches.
 Seeds of Fennel, } two pinches.
 three drams.
 Cut and bruise.

PECTORAL SPECIES.

Species pro Decocto pro Potu Infantum.
 (PALAT.; WIRTEM.; SPIELMANN)

- R. Hartshorn Shavings, sixteen ounces.
 Ivory Shavings, four ounces.
 Liquorice, twelve ounces.
 Root of Polypody, four ounces.
 Flowers of Lime Tree, two ounces.
 Figs, } of each,
 Carob Beans, } eight ounces.
 Seeds of Anise, } of each,
 ——— Fennel, } four ounces.

Cut and mix. (SPIELMANN)

- R. Hartshorn Shavings, two pounds.
 Ivory Shavings, one pound.
 Liquorice, four pounds.
 Root of Polypody, two pounds.
 Figs, five pounds.
 Dates, } of each,
 Jujubes, } two pounds and a half.
 Seeds of Coriander, } of each, one
 ——— Fennel, } pound and a half.
 Flowers of Borage, } of each,
 ——— Bugloss, } two ounces.
 ——— Violets, }

Cut and mix. (PALAT.)

WIRTEM. prescribes two pounds of hartshorn shavings, one pound each of ivory shavings, of liquorice, of polypody, of figs, and of carob beans, half a pound each, of fennel, and of anise, four ounces of lime tree flowers, and one pound of burnt hartshorn.

LIQUORICE JUICE.

Succus Liquiritia. (EDINB.; AMER.; AMST.; BATAV.; BRUNS.; FORM. HÔP. FR.; FULD.; HANN.; OLDEN.; POL.; BORUS.; SAX.; SUEC.; GUIBOURT; MURRAY and GMELIN)

This is met with in commerce in the form of sticks; they are nearly cylindrical, about six inches in length, and one inch, at most in diameter: they are enveloped in laurel or bay leaves. Its taste is sweet, mixed with a slight degree of bitterness.

It is the inspissated decoction of the root of liquorice. It is always more or less burnt, and is sometimes found to contain pieces of copper. It is received from Sicily, but principally from Spain.

PURIFIED LIQUORICE JUICE.

Succus Liquiritiaë depuratus. (BATAV.; BAVAR.; BELG.; DAN.; HANN.; HASS.; BORUS.; SAX.; VAN MONS)

R. Liquorice Juice, any quantity.

Dissolve it in hot water, strain through a sieve, evaporate to the consistence of a firm mass, and roll it into small cylinders on an oiled marble slab. Dry them near the fire, and cut them into sticks two or three inches long. (VAN MONS)

BAVAR. directs one part of juice to be macerated in twelve parts of water, for twenty-four hours; the mixture to be expressed, and the liquor evaporated to dryness.

LIQUORICE JUICE WITH GUM. (VAN MONS)

R. Gum Arabic, } of each,
 Liquorice Juice, } an equal part.

Dissolve each separately in water; strain the liquors through a sieve, mix them, and evaporate the whole to the consistence of a firm mass, constantly stirring.

ANISATED LIQUORICE JUICE. (VAN MONS)

R. Depurated Liquorice Juice at the moment of becoming cool, forty-eight ounces.
 Oil of Anise, three drams.

Incorporate, and roll the mass into thin sticks on an oiled slab. Having dried them, cut them into small pieces.

EXTRACT OF LIQUORICE JUICE. (VAN MONS)

R. Liquorice Juice, sliced, any quantity.
 Cold Water, twice its weight.

Macerate for three days in a large shallow vessel, decant without agitation, filter and evaporate to the consistence of an extract.

EXTRACT OF LIQUORICE.

Extractum Glycyrrhizæ. (LOND.; DUBL.; ANT.; AUSTR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FULD.; LIPP.; POL.; ROSS.; SARD.; HERBIP.; COXE; PIDERIT; VAN MONS)

R. Root of Liquorice, sliced, one pound.
Boiling Water, one gallon.

Macerate for twenty-four hours; then boil down to four pints. Strain the hot liquor and evaporate it to a proper consistence. (LOND.; DUBL.; COXE)

R. Liquorice, one pound.
Boiling Water, sixteen pounds.
Infuse for twelve hours, strain, decant, and evaporate in a water-bath, to the proper consistence. (HISP.)

ANT.; and BELG. direct one pound of root to be infused twice, in eight pounds of water each time, and the mixed infusions to be evaporated.—FERR.—two ounces of root to be infused for two days in ten pounds of water, and the strained infusion evaporated.

R. Liquorice, any quantity.
Bruise it in a mortar with a little water; express the juice, set it aside, decant and evaporate. (HISP.; FULD.)

R. Liquorice, one pound.
Spring Water, six pounds.

Macerate it for four days, in a warm place, then boil a little; express, and evaporate to the proper consistence. (BRUNS.)

SARD. directs the infusion to be evaporated to two thirds before straining it.—LIPP.—three pounds of root to be infused in nine of boiling water for twelve hours, then to be boiled a little; the infusion to be set aside for six hours, and then evaporated.—ROSS.—one part of dried root to be boiled in six parts of water; or one of fresh root, in two or three of water.—DAN.—one part of root in eight parts of water.—HERBIP.—the root to be boiled in a sufficient quantity of water for one hour, and the decanted decoction evaporated to the consistence of thick honey.—PIDERIT.—one pound of root to be boiled in six pounds of water, and the strained decoction, depurated by repose, to be evaporated in a water-bath.

R. Liquorice, one pound.
Cold Water, ten pounds.

Macerate for two days, occasionally stirring; strain, set aside, decant the liquid, and evaporate it to the consistence of an extract. (AUSTR.; POL.)

R. Liquorice, in coarse powder, any quantity.

Moisten it with a little cold water, in a REAL'S press, and after twelve hours maceration, charge it with water and express the liquor: evaporate this slowly to the consistence of an extract. (VAN MONS)

R. Liquorice, one pound.
Cold Water, four pounds.

Macerate it for twenty-four hours, stirring from time to time, and strain: macerate the residue in fresh water, and strain again. Mix the liquors, and evaporate to the consistence of an extract. (GALL.)

LIQUORICE PASTE.

Pasta seu Gelatina seu Mucilago Liquiritiæ seu Glycyrrhizæ, Saccharum glycyrrhizatum, Glycyrrhiza lucida, Gluten pectorale. (AUSTR.; BRUNS.; DAN.; GALL.; HANN.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; SPIELMANN; VAN MONS)

R. Grated Liquorice, four ounces.
Boiling Water, eight ounces.

Macerate for twelve hours, strain, and dissolve in the infusion,

Gum Arabic, two pounds and a half.
White Sugar, one pound and a half.

Strain again, and evaporate slowly till one drop being thrown on a cold glass plate, gelatinizes: then remove the pellicle, pour the mass into oiled metallic moulds, dry with a moderate heat, and cut into tablets. (HANN.; OLDEN.; POL.; BORUS.)

LIPP. prescribes two ounces of root, four pounds and a half of water, and two pounds each, of gum and of sugar.—ROSS.—eight ounces of root, four pounds of water, and two pounds and a half each, of gum and of sugar.—SAX.—one part of root, twenty-two parts of water, nine of gum, and six of sugar.—FENN.—one pound of root, a sufficient quantity of water, three pounds of gum, and two pounds and a half of sugar.—DAN.—one ounce of root, five pounds of water, four pounds of gum, and two pounds of sugar.—HERBIP.—one ounce of liquorice, four pounds of water, and sixteen ounces each, of gum and of sugar.—SPIELMANN.—one ounce of liquorice, one hundred and twenty ounces of water, sixty of gum, and forty of sugar.

R. Liquorice, four ounces.
Water, thirty-two ounces.

Boil down to twenty-four ounces, and dissolve in the strained liquor.

Gum Arabic, two pounds.
White Sugar, one pound and a half.

Boil slowly to the required consistence. (BRUNS.)

SUEC. prescribes nine ounces of root, six-

teen of water, reduced to ten, and three pounds each, of gum and of sugar.

R. Liquorice, half an ounce.
Boiling Water, three pounds.

Infuse for twelve hours, and dissolve in the strained liquor,

Gum Arabic, one pound.
White Sugar, four pounds.

Strain, evaporate one half, skim, and add

Orange-flower Water, half an ounce.

Pour into moulds. (AUSTR.)

R. Liquorice, one part.
Water, seventy-six parts.

Infuse the root, without heat, in one fourth of the water, then with heat, in the rest of it: strain when cold, and dissolve in the liquor,

Gum Arabic, forty-eight parts.
Sugar Candy, twenty-four parts.

Clarify with white of egg, concentrate, and pour into moulds. (VAN MONS)

R. Liquorice, four ounces.
Water, five pounds.

Infuse for twelve hours, and dissolve in the strained liquor,

Gum Arabic, } of each, two pounds.
White Sugar, }

Strain through a thick cloth, evaporate to the consistence of an extract, and beat strongly, and with gradual addition, with five pounds of the mass,

Whites of Eggs, twelve.

Previously mixed with

Orange-flower Water, four ounces.

Inspissate slowly, and spread it upon a marble slab, sprinkled with starch. (GALL.)

PALAT.; and WIRTEM. prescribe four ounces of root, eight pounds of water, boiled down to four, two pounds and a half each, of gum and of sugar, and six whites of eggs beaten with half an ounce of orange-flower water.

ANISATED LIQUORICE PASTE.

Pasta Liquiritiæ fusca. (GALL.; SPIELMANN)

R. Extract of Liquorice, } of each,
White Sugar, } one pound.

Gum Senegal, two pounds.

Florentine Iris, one dram.

Essential Oil of Anise, twenty-four grains.

Dissolve the gum in a sufficient quantity of water, strain the solution, add to it the extract, and evaporate slowly to the consistence of honey; then add the iris, continue the evaporation to the consistence of an extract, and add the oil. (GALL.)

R. Gum Arabic, thirty-two ounces.

Spring Water, a sufficient quantity.
Strain, and dissolve in the solution,

Liquorice Juice, nine ounces.

White Sugar, sixteen ounces.

Evaporate slowly to the consistence of thick syrup. Then add

Florentine Iris, in }
powder, } of each,
Root of Elicampane, in } half an ounce.
powder, }

Continue the evaporation till the mass no longer adheres to the fingers, and add lastly

Essential Oil of Anise, two scruples.

Pour it upon an oiled slab. (SPIELMANN)

OPIATE LIQUORICE PASTE. (HENRI)

R. Gum Senegal, } of each,
White Sugar, } five hundred parts.

Orange-flower Water, thirty parts.

Extract of Liquorice, sixty parts.

Aqueous Extract of Opium, two parts.

Add to the inspissated solution of the gum and sugar, the two extracts, previously dissolved in a small quantity of water.

LIQUORICE LOZENGES. (VAN MONS)

R. Extract of Liquorice, one part.
Sugar, liquified over the fire,

sixteen parts.

Pulverize the extract, incorporate it with the sugar, and roll the lozenges in starch.

WHITE PECTORAL TROCHISCS.

Trochisci bechici albi seu Glycyrrhizæ seu e Glycyrrhiza, Confectio de Rebecha. (FULD.; LIPP.; SUEC.; AUGUSTIN.; SPIELMANN)

R. Powdered Liquorice Root, one ounce.

———— Florentine Iris, half an ounce.

———— Sugar Candy, one pound.

Mucilage of Tragacanth, a sufficient quantity.

Make trochiscs. (LIPP.)

R. Powdered Liquorice Root, three drams.

———— Florentine Iris, six drams.

———— Starch, half an ounce.

———— White Sugar, eight ounces.

Mucilage of Tragacanth, a sufficient quantity.

Make trochiscs. (SUEC.)

FULD. prescribes eight ounces of liquorice, four of iris, one ounce and a half of starch, six ounces of sugar, and mucilage of tragacanth.

R. Powdered Liquorice Root, one ounce and a half.

———— Florentine Iris, } of each,

———— Gum Arabic, } half an ounce.

Powdered White Sugar,
forty-eight ounces.
Mucilage of Tragacanth,
a sufficient quantity.
Make trochiscs. (SPIELMANN)

WHITE LIQUORICE STICKS.

Baculi Liquiritiæ albi. (WIRTEM.; SPIELMANN)

R. Gum Arabic, } of each,
Simple Dimbræ Species, } half
Diatragacanth Species, } an ounce.
Liquorice Powder, } of each,
Starch, } one ounce.
White Sugar, two pounds.
Mucilage of Tragacanth,
a sufficient quantity.

Make sticks.

YELLOW PECTORAL TROCHISCS.

Trochisci bechici citrini, Liquiritia cocta citrina, Tabellæ Glycyrrhizæ Glabræ composita. (ANT.; PALAT.; SUEC.; WIRTEM.; SPIELMANN)

R. Liquorice Root, } of each, one ounce.
Florentine Iris, }
Saffron, two scruples.
White Sugar, one pound.
Mucilage of Tragacanth,
a sufficient quantity.

Make trochiscs. (PALAT.; WIRTEM.; SPIELMANN)

R. Powdered Liquorice, eight ounces.
Compound Powder of Tra- } of each,
gacanth, } one
Flo- } ounce and
rentine Iris, } a half.
Powdered Saffron, eight scruples.
Sugar, six pounds.
Mucilage of Tragacanth,
a sufficient quantity.

Make trochiscs. (ANT.)

R. Powdered Liquorice, one ounce.
Florentine } of each,
Iris, } half an ounce.
Starch, }
Saffron, one scruple.
Sugar, twelve ounces.
Mucilage of Tragacanth,
a sufficient quantity.

Make trochiscs. (SPIELMANN)

SUEC. prescribes three drams of liquorice, six drams of iris, half an ounce of starch, two scruples of saffron, eight ounces of sugar, and mucilage of tragacanth.

YELLOW LIQUORICE STICKS.

Baculi Liquiritiæ Citrini. (OLDEN.; SAX.; WIRTEM.; PIDERIT)

R. White Sugar, twelve parts.

Liquorice Root, one part.
Florentine Iris, one fourth part.
Saffron, one eighth part.
Mucilage of Tragacanth,
a sufficient quantity.

Make a soft mass, and divide it into sticks, to be dried on a sieve. (OLDEN.; SAX.)

R. White Sugar, one pound.
Liquorice Root, one ounce.
Florentine Iris, } of each,
Starch, } half an ounce.
Saffron, half a scruple.
Mucilage of Tragacanth,
a sufficient quantity.

Make sticks. (WIRTEM.; PIDERIT)

BLACK PECTORAL TROCHISCS.

Trochisci Liquiritiæ seu Liquiritiæ cum Gummi seu bechici nigri seu Glycyrrhizæ, Tabellæ Anisi composita. (EDINB.; AMST.; ANT.; BATAV.; BELG.; BRUNS.; FERR.; FULD.; HANN.; LIPP.; OLDEN.; LUSIT.; PALAT.; WIRTEM.; HERBIP.; AUGUSTIN.; BRUGNATELLI.; COXE.; PIDERIT.; SPIELMANN.; SWEDIAUR.; VAN MONS.)

R. Liquorice Juice, } of each,
Gum Arabic, } an equal part.

Dissolve each separately, in water; mix the liquors, and evaporate to the proper consistence for making trochiscs. (FERR.)

Trochisci Glycyrrhizæ Glabræ.
(EDINB.; and COXE)

R. Extract of Liquorice, } of each,
Gum Arabic, } one part.
Sugar, two parts.
Water, a sufficient quantity.

Evaporate the strained solution, and make trochiscs.

R. Powdered Liquorice Juice, one part.
Sugar Candy, sixteen parts.
Manna, four parts.

Beat together, and add

Mucilage of Tragacanth,
a sufficient quantity.

Make trochiscs. (VAN MONS)

R. Powdered Extract of Liquorice, eight ounces.
Sugar, one pound.
Gum Arabic, three ounces.
Orange-flower Water,
a sufficient quantity.

Make trochiscs. (BRUGNATELLI)

AMST.; BATAV.; BELG.; FULD.; LIPP.; LUSIT.; HERBIP.; and SWEDIAUR prescribe three parts each, of liquorice juice and of gum arabic, and six parts of sugar.

R. Powdered Florentine Iris, }
 ———— Liquorice Root, } of each,
 ———— Anise, } one ounce.
 ———— Fennel, }
 Liquorice Juice, dissolved in
 Hyssop Water, four ounces.
 White Sugar, sixteen ounces.
 Mucilage of Tragacanth,
 a sufficient quantity.

Make trochiscs. (BRUNS.; HANN.;
 WIRTEM.)

PALAT. suppresses the sugar and LUSIT.
 the fennel; in other respects their formulæ
 are the same.—OLDEN.; and SAX. direct
 the sugar to be dissolved in fennel water.

ANT. prescribes three ounces each, of li-
 quorice root and of Florentine iris, half a
 pound each, of anise and of fennel, two
 pounds eight ounces of extract of liquorice,
 twelve pounds of sugar, and mucilage of
 tragacanth.

R. Sweet Almonds, blanched, two ounces.
 Make a paste, and add to it

Powdered Liquorice Juice, four ounces.
 ———— Fennel, half an ounce.
 ———— Sugar, eight ounces.
 Mucilage of Tragacanth,
 a sufficient quantity.

Make trochiscs. (AUGUSTIN; PIDERIT)

R. Storax, six parts.
 White Sugar, one hundred and forty-four parts.

Triturate together, and add

Sweet Almonds, blanched, } of each,
 Florentine Iris, } two parts.
 Tragacanth, one part.
 Soft Extract of Liquorice,
 a sufficient quantity.

Make trochiscs. (VAN MONS)

VAN MONS proposes also to take thirty-
 six parts of white trochiscs, and one part of
 storax, and to form a mass with a sufficient
 quantity of an aqueous solution of extract
 of liquorice.—SPIELMANN prescribes three
 ounces of Florentine iris, five ounces each,
 of anise and of fennel, nine ounces of li-
 quorice juice, one ounce of storax, ninety-
 six ounces of sugar, and a sufficient quantity
 of mucilage of tragacanth.

OPIATE PECTORAL TROCHISCS,

Trochisci Glycyrrhizæ cum Opio seu thebaici,
Trochisci sedativo-balsamici seu pectorales
Regis Danorum. (EDINB.; LUSIT.;
 SUEC.; BRUGNATELLI; ELLIS; SPIEL-
 MANN; VAN MONS)

Trochisci Glycyrrhizæ cum Opio.
 (EDINB.)

R. Opium, two drams.
 Tincture of Tolu, half an ounce.

Simple Syrup, eight ounces.

Extract of Liquorice, } of each,
 Gum Arabic, in powder, } five
 ounces.

First triturate the opium with the
 tincture, then gradually add the ex-
 tract, softened with hot water, the sy-
 rup, and the gum: finally, inspissate
 the mass, and form it into trochiscs of
 ten grains each.

LUSIT.; SUEC.; BRUGNATELLI; and
 SWEDIAUR give the same formula.

SPIELMANN directs trochiscs to be made
 of one ounce each, of liquorice juice and
 of white sugar, and of four grains of opium.
 —VAN MONS prescribes nine drams each,
 of liquorice juice and of marshmallows
 root, six each, of Florentine iris and of tra-
 gacanth, one scruple of opium, sixteen
 ounces of sugar, and a sufficient quantity
 of water.—COXE—two drams each, of gum
 arabic, of extract of liquorice, and of white
 sugar, six grains of opium, four drops of oil
 of anise, and a sufficient quantity of water;
 to be made into forty trochiscs. These are
 well known under the name of WISTAR'S
Cough Lozenges.

LOHOCH SANUM ET EXPERTUM. (PALAT.;
 WIRTEM.; PIDERIT; SPIELMANN)

R. Distilled Water of Lohoch sanum
 et expertum, one ounce.
 Pine-apple Kernels, } of each,
 Almonds, blanched, } half an ounce.
 Seeds of White Poppy, }

Make an emulsion, and add when strained

White Sugar, twenty ounces.
 Powdered Liquorice, } of each,
 ———— Tragacanth, } three drams.
 ———— Gum Arabic, }
 ———— Starch, }
 ———— Florentine Iris, two drams.

Mix with continued and quick agitation.
 (WIRTEM.)

R. Liquorice Root, } of each,
 Herb of Hyssop, } half
 ———— Maidenhair, } an ounce.
 ———— Mountain Balm, }

Anise, } of each, two drams.
 Fennel, }
 Spring Water, twenty-four ounces.

Boil for a short time. Make an emulsion
 with the decoction, and

Blanched Almonds, } of each,
 Pine-apple Kernels, } one ounce.
 Seeds of White Poppy, }

Add to it when strained

Powdered Liquorice, } of each,
 ———— Tragacanth, } six drams.

Powdered Gum Arabic, } of each,
 ——— Starch, } six drams.
 ——— Florentine Iris, }
 White Sugar, } forty ounces.
 Cinnamon Water, } two ounces.

Mix. (SPIELMANN)

R. Cinnamon, }
 Hyssop, } of each,
 Mountain Balm, } half an ounce.
 Florentine Iris, }
 Anise, }
 Fennel, }
 Maidenhair, } one handful.
 Spring Water, } two pounds.

Macerate for twenty-four hours; then distil one pound of liquid, with which, and Pine-apple Kernels, five drams.
 Sweet Almonds, blanched, three drams,
 make an emulsion. Add to it when strained two pounds.

White Sugar, }
 Liquorice Powder, } of each,
 Gum Tragacanth, } three drams.
 ——— Arabic, }
 Starch, } two drams.
 Iris, }

Mix. (PALAT.)

R. Powdered Root of Li- } of each,
 quorice, } one
 ——— Marsh- } ounce.
 mallows, }
 ——— Florentine Iris, } six drams.
 ——— Tragacanth, } one ounce.

Make a powder, and incorporate extemporaneously four scruples of it with two ounces of amygdaline syrup. (PIDERR)

Dose, from two drams to half an ounce,

LOHOCH OF FOX'S LUNG.

Lohoch pulmonale seu de Pulmone Vulpis.
 (LIPP.; WIRTEM.; SPIELMANN)

R. Powdered Fox's Lung, }
 ——— Liquorice Juice, } of each,
 ——— Maidenhair, } one
 ——— Anise, } ounce.
 ——— Fennel, }

Syrup, fifteen ounces.

Mix. (WIRTEM.; SPIELMANN)

R. Extract of Liquorice, half an ounce.
 Fennel Water, two ounces.

Mix. and add

Powdered Ground Ivy, } of each,
 ——— Anise, } two drams.
 ——— Fennel, }
 Simple Syrup, } six ounces.

Mix. (LIPP.)

In its *modus operandi*, this lohoch is similar to the preceding. It was introduced by

MESUE, and has enjoyed great celebrity in cough and pulmonary phthisis.

Dose, two or three drams.

SIMPLE PECTORAL ELIXIR. (BRUNS.; HAMB.)

R. Liquorice Juice, three ounces.
 Fennel Water, four ounces.

Mix. (HAMB.)

BRUNS. prescribes one pound of fennel water, and six ounces of liquorice juice.

INFUSION OF LIQUORICE.

Infusum Radicis Glycyrrhizæ seu liquoritiæ.
 (CAST. BORUS.; WURCEB.; AUGUSTIN)

R. Liquorice Root, sliced, one ounce.
 Boiling Water, nine or ten ounces.

Digest for half an hour in a covered vessel, and strain.

GLYCYRRHIZED HONEY.

Mel glycyrrhizatum seu Liquiritiæ.
 (HAMB.; POL.; FEE)

R. Liquorice Root, eight ounces.
 Boiling Water, three pounds.

Macerate for an hour, express, evaporate to fourteen ounces, and add

Honey, five pounds.

Boil slowly to the consistence of syrup. (POL.; FEE)

HAMB. directs one ounce and a half of liquorice to be infused for half an hour in a sufficient quantity of hot water to obtain ten ounces of strained liquor; double its weight of honey to be then added, and boiled to the consistence of syrup.

SYRUP OF LIQUORICE.

Syrupus Glycyrrhizæ seu Liquiritiæ.
 (BRUNS.; HANN.; BORUS.; WIRTEM.; SPIELMANN; VAN MONS)

R. Liquorice Root, grated, one part.
 Water, three parts.

Infuse for an hour, in a warm water-bath, and dissolve in the infusion when cold

White Sugar, two parts.

Preserve. (VAN MONS)

VAN MONS directs elsewhere the syrup to be made with honey and sugar.

R. Liquorice Root, eight ounces.
 Boiling Water, three pounds.

Macerate, boil slightly for a quarter of an hour, then strain, evaporate to fourteen ounces, and add

White Sugar, } of each,
 Despumated Honey, } two pounds.

Give it a single boil. (HANN.; BORUS.)

- R. Liquorice Root, two ounces.
Maidenhair, one ounce,
Hyssop, half an ounce.
Water, two pounds.

Infuse for twenty-four hours, and boil down to one half: add to the strained decoction.

- Despumated Honey, eight ounces.
White Sugar, sixteen ounces.
Rose Water, four ounces.

Make a syrup. (BRUNS.; WIRTEM.; SPIELMANN)

PECTORAL DECOCTION. (SWEDIAUR)

- R. Liquorice Root, }
Herb of Coltsfoot, } of each,
Ground Ivy, } two ounces.
Root of Elicampane, one ounce.
Water, nine pounds.

Boil till reduced to one pound of strained liquor.—Dose, three or four ounces, several times a day. It may be sweetened with sugar or honey.

ESSENCE OF LIQUORICE.

Essentia Liquiritiæ. (BRUNS.)

- R. Liquorice Root, sliced, one ounce.
Proof Spirit, three ounces.
Digest, and express.

RINGELMANN'S ELIXIR.

Elixir pectorale Regis Daniæ seu Danorum seu Ringelmanni seu ex Succo Glycyrrhizæ seu pectorale dulce seu Glycyrrhizæ seu e Succo Liquiritiæ. (DAN.; MIL. COPEN.; FULD.; HANN.; LIPP.; OLDEN.; POL.; CAST. BORUS.; BORUS.; WIRTEM.; SPIELMANN; VAN MONS)

1. *Without Opium.*

- R. Liquorice Juice, one part.
Fennel Water, two parts.
Spirit of Ammonia, six parts.

Digest for three hours in a moderate heat, and strain. (MIL. COPEN.)

LIPP. prescribes one part of juice, four of fennel water, and two of spirit of ammonia.—SAX.—two of juice, six of fennel water, and two of spirit of ammonia.—FULD.—two of juice, six of fennel water, and three of spirit of ammonia.—HANN.—two of juice, six of fennel water, and two of anisated spirit of ammonia.—SPIELMANN— one of juice, two of fennel water, and six of anisated spirit of ammonia.—VAN MONS—two of juice, eight of fennel water, and two of anisated spirit of ammonia.

- R. Liquorice Juice, six parts.
Fennel Water, twelve parts.

- Green Seeds of Anise, one part.
Spirit of Ammonia, thirty-six parts.

Digest for twenty-four hours, and strain. (DAN.)

VAN MONS directs one part of anise to be digested in six parts of spirit of ammonia, twelve parts of fennel water, and six parts of liquorice juice to be added; and the liquor filtered at the end of several days.

- R. Purified Liquorice Juice, one ounce.
Fennel Water, eight ounces.
Solution of Subcarbonate of Ammonia, half a dram.

Mix. (CAST. BORUS.)

- R. Root of Angelica, three ounces.
Lovage, half an ounce.

Chamomile Flowers, one ounce and a half.

- Anise, eight ounces.
Mace, three drams.
Fennel, five ounces.

Nutmegs, }
Myrrh, } of each, one ounce.

Subcarbonate of Potass, eighteen ounces.

Alcohol, four pounds.
Spring Water, two pounds.

Digest for three days, and add

Muriate of Ammonia, in powder, one pound.

Distil slowly till there remains only one pound of liquor in the retort.—Mix the product with,

Liquorice Juice, five ounces,
dissolved in

Fennel Water, one pound.

Add finally

Saffron, two drams.

Digest for several days, and filter. (WIRTEM.)

2. *With Opium.*—Opiate ammoniacal Elixir:—*Elixir ammoniato-opiatum, Extractum thebaicum ammoniacale.*

- R. Purified Liquorice Juice, half an ounce.
Fennel Water, half a pound.

Mix, and add to the strained liquor

Anisated Spirit of Ammonia, two drams.

Tincture of Opium, half a dram.

Mix. (OLDEN.)

POL.; and BORUS. prescribe two ounces of juice, six of fennel water, two of anisated spirit of ammonia, and two drams of tincture of opium.—VAN MONS—eight parts of juice, twenty-four of fennel water, eight of anisated spirit of ammonia, and eight of tincture of opium.

It is stimulant, and is recommended in chronic affections of the chest. It is considered pectoral, expectorant, carminative, anti-cholical, stomachic, and diuretic.—It

is a preparation which deserves to be remembered: it is susceptible of many very useful modifications.

Dose, from thirty-six to fifty drops.

GOSSIPIUM HERBACEUM, LINN.—COTTON TREE.

FENN.; WIRTEM.; AINSLIE; GUIBOURT; MURRAY and GMELIN.

This plant seems originally to have come from Upper Egypt; it is cultivated in the middle of Europe. (*Monadelphia Polyandria*, LINN.; *Malvaceae*, JUSS.; *Fig. Cav. Diss.* 6. t. 164. fig. 2.)

The seeds (*Semina Bombacis seu Gossypii*) are employed. They are of a blackish-grey colour, and of the size of a large pea. They contain a white, sweet, and oleaginous kernel.

But the down *Cotton* (*Bombax, Erioxylon*) which surrounds them is more frequently employed.

SYNONIMES:—Coton, FR.; Baumwolle, GERM.; Koten, ARAB.; Cay-boung, CHIN.; *Βουβακι*, MOD. GR.; Watta, JAV.; Karpasi, SANS.

BRUNS.; GALL.; WIRTEM.; AINSLIE; BERGIUS; BRUGNATELLI; GUIBOURT; MURRAY and GMELIN; SPIELMANN.

This down is very fine, and of a brilliant whiteness. It is called *Gossypina* by THOMSON.

The seeds furnish an abundant mucilage, and the down serves to make moxa.

GRATIOLA OFFICINALIS, LINN.—GRATIOLA HEDGE HYSSOP.

SYNONIMES:—Gratiolle, FR.; Gnadenkraut, Gottesgnadenkraut, Wildaurin, GERM.; Granatowe gablko, BOHEM.; Gudsnaadert, DAN.; Graciola, SPAN.; and PORT.; Grenada kruid, DUT.; Graziola, Stanco cavallo, ITAL.; Csicorgofa, MAL.; Konjtrud, POL.; Licharo dotschnaja trawa, RUSS.; Jordgalla, SWED.

nauseous, and feebly astringent. By drying, its properties are much diminished.

It is violently purgative and anthelmintic.—Dose, from ten to thirty grains, of the powder.

VERMIFUGE POWDER.

Pulvis Gratiolæ cum Hydrargyro. (AUGUSTIN)

R. Gratiola, two scruples.
Proto-chloruret of Mercury, five grains.
Assafetida, half a dram.
Oil of Peppermint, three drops.

Mix, and divide into eight parcels.—Dose, one every three hours. It is recommended by HARGENS against tænia.

PURGATIVE POWDER.

Pulvis purgans et irritans. (BERERA)

R. Root of Gratiola, in powder, three grains.
Sugar, one scruple.

Mix.—To be taken in the morning, and repeated in the evening.

DUBL.; EDINB.; AMST.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FENN.; FULD.; GENEV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; BERGIUS; BRUGNATELLI; GUIBOURT; MURRAY and GMELIN; PIDERIT; SPIELMANN; ZARDA.

A plant of Europe. (*Diandria Monogynia*, LINN.; *Scrofulariae*, JUSS.; *Fig. Flore Medic.* IV. 188.)

The root and herb are employed.

The root (*Radix Gratiolæ seu Gratia Dei*) is white, and furnished with fibres.

The herb consists of a cylindrical, glabrous, simple stem, and of sessile, opposite, glabrous, oval, lanceolated, dentated leaves, with three longitudinal nervures. It is destitute of odour, but its taste is bitter,

ANTI-PSORIC SPECIES.

Species pro Decocto anti-psorico. (AUGUSTIN)

- | | |
|----------------------|----------------|
| R. Herb of Gratiola, | half an ounce. |
| Dried Figs, | six drams. |
| Quince Seeds, | of each, |
| Pichurim Bean, | one dram. |
| Anethum stellatum, | two drams. |

Mix.

EXTRACT OF GRATIOLA.

Extractum Gratiolæ. (AUSTR.; FERR.; HANN.; OLDEN.; SAX.; VAN MONS)

- R. Fresh Leaves of Gratiola, any quantity.

Bruise them in a stone mortar sprinkling with a little water. Express the juice, and immediately evaporate in a water-bath, constantly stirring towards the end. (HANN.; OLDEN.)

- R. Herb of Gratiola, any quantity.
Water, a sufficient quantity.

Exhaust the herb by several successive boilings; mix the decoctions, and after decantation, evaporate in a water-bath. (AUSTR.; HISP.)

- R. Herb of Gratiola, one part.
Cold Water, eight parts.

Macerate for twenty-four hours, then boil for a quarter of an hour, and express strongly: boil the residue with four parts of water. Mix the decoctions, set aside for twenty-four hours, and evaporate to the proper consistence. (SAX.)

- K. Fresh Herb of Gratiola, } of each,
Cold Water, } one part.

Macerate for twelve hours, and add
Boiling Water, four parts.

Strain when cold, and clarify with white of egg. Set it then on the fire, and when the liquor begins to inspissate, pass it through a sieve, and finally evaporate it, constantly stirring. (VAN MONS)

Dose, from half a dram to one dram.

ALCOHOLIC EXTRACT OF GRATIOLA. (BAVAR.; HERBIP.; NIEMANN)

- R. Herb of Gratiola, } of each,
Alcohol, } one pound.

Digest for three days in a moderate heat;

then express, set aside and decant the liquor: distil off the alcohol, and evaporate the residue to the proper consistence. (HERBIP.)

NIEMANN prescribes four parts of dried herb root, eight of proof spirit, and eighteen of water; to be digested for two days in a moderate heat, and the strained liquor to be evaporated.—BAVAR.—one pound of herb, four ounces of alcohol, eight pounds of water, twelve hours digestion, and twelve hours boiling.

The dose is the same as for the preceding.

INFUSION OF GRATIOLA.

Infusum Gratiolæ. (SAUNDERS)

- R. Root of Gratiola, half a dram.
Boiling Water, a sufficient quantity
to obtain six ounces of strained infusion.
Add to this,

Syrup of Poppies, half an ounce.

Mix.

DECOCTION OF GRATIOLA.

Decoctum Gratiolæ. (NIEMANN)

- R. Herb of Gratiola, two drams.
Spring Water, a sufficient quantity
to obtain four ounces of strained decoction.
Add to this when cold,

Sulphuric Æther, one scruple.

Syrup of Rhubarb, one ounce.

And sometimes

Sulphate of Magnesia,
from two drams to half an ounce.

Mix.—It is purgative.—Dose, a spoonful, every two hours.

PURGATIVE LAVEMENT. (NIEMANN)

- R. Herb of Gratiola, from three to five drams.
Spring Water, twelve ounces.

Boil down to two thirds.

It is employed to remove constipation, and to destroy ascarides.

WINE OF GRATIOLA. (NIEMANN)

- R. Root of Gratiola, half an ounce.
Spanish Wine, two pounds.

Digest and filter.

It is excitant, purgative, and emetic.

GUAIAACUM OFFICINALE, LINN.—GUAIAIC.

SYNONYMES:—Gayac, FR.; Franzosenholz, Pockenholz, Guajakholz, GERM.; Francowske drewo, BOHEM.; Franzostree, DAN.; Guayaco, Palo Santo, SPAN.;

Poxhout, DUT.; Guajaco, ITAL.; and Port.; Drzewo Gwaiakowa, POL.; Franzosenholtz, SWED.

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

A tree of the Antillas. (*Decandria Monogynia*, LINN.; *Rubiacea*, JUSS.; *Fig. Flore Medic. IV. 180*)

The wood, bark, and resin are employed. The wood (*Lignum Sanctum* seu *Guaiaeci* seu *Guaiaeci* seu *Indicum* seu *benedictum*) is of a very close texture; hard and heavy, of a yellow colour becoming brown towards the centre, of an aromatic odour which becomes more developed by rubbing, and of a bitter, slightly acrid, and resinous taste. It arrives to us in billets or in shavings (*Raspatura* seu *Rasura Ligni Guaiaeci*). The shavings are greenish-brown or yellow, according as they may have come from the interior or exterior parts of the tree.

The bark (*Cortex Ligni sancti* seu *Guaiaeci*) is woody, hard, of the thickness of one or two lines, almost flat, cracked, heavy, and difficult to be broken. It is grey externally, sprinkled with green, brown, and whitish spots, and yellowish-grey internally.

The resin, improperly called *Gum Guaiaec*, (*Resina Guaiaeci nativa*, *Gummi Guaiaeci*, *Gummi Ligni sancti*), is in irregular masses, of a reddish, greenish-brown, or greenish colour, friable, showing a vitreous and brilliant fracture. Its powder, at first grey, becomes green when exposed to the air. Its odour is agreeable and is analogous to that of benzoin; its taste is acrid and disagreeable, developing itself very slowly.

It flows either spontaneously or by incisions, from the bark of old trunks of the tree.

A peculiar resin, which THOMSON calls *Guaiacina*, forms the basis of it. Both the wood and resin of guaiacum are stimulant. They are classed among the sudorifics, and are frequently administered in syphilitic disorders.

I. Preparations which contain the constituent principles of *Guaiaec* more or less altered by distillation.

SPIRIT OF GUAIAEC WOOD.

Spiritus Ligni Guaiaeci. (BRUNS.; WIRTEM.)

R. *Guaiaec* Shavings, any quantity.
Distil from a retort placed in a sand-

bath. Collect the product, and separate the watery liquid from the supernatant oil.

This product, formed chiefly of acetic acid, formerly passed for a very efficacious sudorific and diuretic.

It was given in the dose of from thirty to fifty drops.

OIL OF GUAIAEC. (BRUNS.; FERR.; PALAT.; SARD.; WIRTEM.; VAN MONS)

R. *Guaiaec* Shavings, any quantity.

Distil them from a retort placed in a sand-bath. Separate the black empyreumatic oil from the acid spirit, and rectify it by fresh distillation.

It was formerly given in the dose of four or five drops, in gonorrhœa. It was also applied to painful carious teeth.

COMPOUND OIL OF GUAIAEC.

Oleum Guaiaeci compositum. (VAN MONS)

R. Empyreumatic Oil of *Guaiaec*, three ounces.
Balsam of Peru, one ounce.
Spirit of Ammonia, half an ounce.

Mix.

It is recommended against caries of the teeth, and to dress malignant ulcers. In the latter case it is directed to be mixed with twice its weight of olive oil.

II. Preparations which contain the active principle of *Guaiaec* without the vehicle employed to extract it.

AQUEOUS EXTRACT OF GUAIAEC.

Extractum Ligni Guaiaeci aquosum. (AUSTR.; BRUNS.; DAN.; HISP.; GENEV.; HAMB.; POL.; BORUS.; SAX.; WIRTEM.; VAN MONS)

R. *Guaiaec* Shavings, one pound.
Spring Water, six pounds.

Digest for four days in a warm place, and then boil a little. Express, and evaporate the liquor to the proper consistence. (BRUNS.)

R. *Guaiaec* Bark, in powder, any quantity.

Put it into a REAL's press, and moisten it with cold water. At the end of twenty-four hours, charge the apparatus with a column of boiling water of from twenty-two to twenty-five feet high; receive the liquid as long as it flows through coloured, then strain it through flannel, and evaporate it. (VAN MONS)

R. *Guaiaec* Shavings, any quantity.
Water, a sufficient quantity.

Exhaust it by several successive boilings. Mix the decoctions, and, after decantation, evaporate. (AUSTR.)

DAN.; HANN.; POL.; BORUS.; and SAX.; give the same formula, but require for each boiling, ten parts of water to one part of wood.—WIRTEM.—merely orders the decoction, without specifying any quantity.—HISP. directs two pounds of wood to be macerated for twenty-four hours, and boiled for two, in twenty pounds of water; the residue to be boiled again in a fresh quantity of water till reduced to eight pounds: the mixed liquors to be then evaporated.

R. Guaiac Shavings, one pound.
Spring Water, fifteen pounds.

Boil down to one half, and strain: repeat the operation, with fresh water each time, till the decoction ceases to become turbid on cooling. Mix the strained liquors, and evaporate them in a water-bath, to the consistence of an extract, adding a little alcohol towards the end. (GENEV.)

VINOUS EXTRACT OF GUAIAIC. (SARD.)

R. Guaiac Shavings, one pound.
White Wine, five or six pounds.

Digest for three days in a sand-bath, and express strongly: boil the residue with a sufficient quantity of fresh wine. Mix the decoctions, and evaporate to the consistence of an extract.

ALCOHOLIC EXTRACT OF GUAIAIC.

Extractum Guaiaci resinosum, Guaiaci Resina. (AMST.; ANT.; AUSTR.; DAN.; HAMB.; OLDEN.; LUSIT.; BORUS.; SAX.; HERBIP.; BRUGNATELLI; VAN MONS)

R. Guaiac Shavings, any quantity.
Alcohol, a sufficient quantity to cover the wood by four fingers' breadth. Digest in a warm place, and decant: then boil the residuum in water for one hour, and strain with expression. Evaporate the decoction to the consistence of honey, adding gradually the tincture towards the end, and stirring continually. (LUSIT.; HERBIP.)

R. Guaiac Shavings, any quantity.
Exhaust it by digesting it several times in hot alcohol. Mix, and filter the tinctures; add to it about one fourth of water, distil in a water-bath to obtain the alcohol, wash the residuum with hot water, and dry it slowly. (BORUS.; ROSS.; SAX.)

R. Guaiac Shavings, one part.
Alcohol, six parts.

Infuse with heat, filter the tincture, and precipitate the resin from it by means of water. Set aside, decant, and distil the liquor, to re-obtain the alcohol; more resin is deposited which the heat unites into a mass: boil the latter for half an hour with the residue of the infusion. Finally strain,

and evaporate to the consistence of an extract. (VAN MONS)

R. Native Guaiac Resin, one part.
Alcohol (0.907), six parts.

Dissolve, and filter; then distil one half of the tincture. Precipitate the resin of the residuum, by means of water, wash it well and dry it with a very gentle heat. (AMST.; ANT.; AUSTR.; HANN.; OLDEN.; BRUGNATELLI)

ANTI-ARTHRITIC POWDER. (HAMB.; AUGUSTIN; NIEMANN)

R. Guaiac Resin, } of each,
Supertartrate of Potass, } fifteen grains.

Mix.—To be taken three or four times a day. (AUGUSTIN; NIEMANN)

R. Guaiac Resin, from half a dram to one dram.
Oleosaccharum of Fennel, half a dram.

Mix.—To be taken at twice, morning and evening. (AUGUSTIN)

R. Guaiac Resin, two drams.
Supertartrate of Potass, half an ounce.
Liquorice, one dram.
Tartarized Antimony, two grains.

Mix. (HAMB.)

DIAPHORETIC POWDER. (ELLIS)

R. Guaiac Resin, } of each,
Nitrate of Potass, } one dram.
Ipecacuanha, } three grains.
Opium, } two grains.

Make six doses.—One, every three hours.

GUAIAIC LOZENGES. (NIEMANN)

R. Guaiac Resin, } of each,
Aqueous Extract of Guaiac, } half an ounce.
Sugar, boiled à la plume, three ounces.

Make lozenges of one dram each.

Dose, one thrice a day.

ALTERATIVE BOLUSES. (SAUNDERS; SWEDIAUR)

R. Guaiac Resin, ten grains.
Mithridate, two scruples.
Simple Syrup, a sufficient quantity.

Mix. (SAUNDERS)

R. Guaiac Resin, half a dram.
Conserve of Orange, two scruples.
Simple Syrup, a sufficient quantity.

Mix. (SAUNDERS)

R. Guaiac Resin, half a dram.
Spirit of Turpentine, twenty-four drops.
Syrup of Poppies, a sufficient quantity.

Mix. (SWEDIAUR)

ALTERNATIVE PILLS. (BRUNS.; NIEMANN;
PIERQUIN; SAINTE-MARIE)

- R. Guaiac Resin, one ounce.
Soap, one or two drams.

Make pills of two grains each. (NIEMANN;
SWEDIAUR)

- R. Guaiac Resin, two drams.
Subcarbonate of Soda, one dram.
Mucilage, a sufficient quantity.

Make pills of two grains each. (NIEMANN)

- R. Extract of Fumitory, half an ounce.
Lesser Centaury, two drams.
Guaiac Resin, four drams.
Turpentine, two drams.

Mix. (BRUNS.)

- R. Guaiac Resin, half an ounce.
Extract of Bitter-sweet, one ounce.
Golden Sulphuret of Antimony, one dram.
Sublimed Sulphur, two drams.
Syrup of Fumitory, a sufficient quantity.

Make pills of four grains each. (PIERQUIN)

ANTI-ARTHRITIC PILLS. (FULD.)

- R. Guaiac Resin, } of each, two drams.
Spanish Soap, }
Extract of Aconite, two scruples.
Compound Tincture of Guaiac,
a sufficient quantity.

Mix.—Dose, from ten to twenty grains.

SUDORIFIC PILLS. (BORIES; PIERQUIN)

- R. Guaiac Resin, } of each, one dram.
Camphor, }
Tartarized Antimony, four grains.
Extract of Bitter-sweet,
a sufficient quantity.

Make pills of four grains each. (BORIES;
PIERQUIN)

- R. Guaiac Resin, one ounce.
Extract of Contrayerva, six drams.
Myrrh, five drams one scruple.
Saffron, half an ounce.
Camphor, two drams two scruples.
Opium, two scruples.
Syrup, a sufficient quantity.

Make a pilular mass. (PIERQUIN)

ANTI-ARTHRITIC POTION.

Mixtura guajacina. (AUGUSTIN)

- R. Guaiac Resin, one dram.
Gum Arabic, six drams.
Decoction of Bitter-sweet, six ounces.
Simple Syrup, half an ounce.

Mix.—To be taken by spoonfuls.

- R. Guaiac Resin, one dram.
Fennel Water, six ounces.
Mucilage of Gum Arabic,
a sufficient quantity

to make an emulsion. Add

- Amygdaline Syrup, one ounce.
Nitric Æther, twenty drops.

Mix.—Dose, two spoonfuls, thrice a day.

- R. Guaiac Resin, half a dram.
Yolk of Egg, one.
Cinnamon Water, two ounces.

Mix.—Dose, half a spoonful, every hour.

- R. Guaiac Resin, three drams.
White Sugar, } of each, two drams.
Gum Arabic, }
Solution of Acetate of Ammonia,
two ounces.

Vinous Cinnamon Water, four ounces.

Mix.—Dose, one spoonful, every four hours.

- R. Cherry Water, six ounces.
Extract of Quassia, } of each,
Guaiac Wood, } half a dram.
Sulphuric Æther, }
Syrup of Orange Peel, one ounce.

Mix.—Dose, two spoonfuls, thrice a day.

- R. Guaiac Resin, one dram.
Solution of Antimonial Soap, six drams.

Mix.—Dose, from twenty to thirty drops.

III. *Preparations which contain the active principle of Guaiac, with the vehicle employed to extract, dissolve, or suspend it.*

A.

Æthereal Vehicle.

ÆTHEREAL TINCTURE OF GUAIAIC.

Tinctura Guaiaci atherea. (VAN MONS)

- R. Guaiac Resin, one part.
Nitric Æther, eight parts.

Dissolve without heat, and filter.

It is excitant, and is recommended in gout and dropsy.—Dose, a scruple, in simple syrup.

B.

Alcoholic Vehicle.

I. *Extraction of the Resin of the Wood.*

TINCTURE OF GUAIAIC WOOD.

Essentia seu Tinctura Guajaci seu Guajaci officinalis. (ANT.; AUSTR.; BATAV.; BRUNS.; GALL.; HANN.; OLDEN.; BORUS.; SAX.; SARD.; CADET DE GASSICOURT)

- R. Guaiac Shavings, five ounces.
Rectified Alcohol, two pounds.
Digest and filter. (HANN.; OLDEN.; BORUS.)

BATAV. prescribes one part of wood and eight parts of alcohol (20 degrees); to be digested with heat for six days.—BRUNS.—one ounce and a half of wood and eight ounces of alcohol; to be digested for eight days.—SAX.—one part of wood and six parts of rectified alcohol; to be digested for six days.—SARD.—one ounce of wood and six ounces of alcohol; to be digested for three days.—AUST.—one ounce of wood and six ounces of alcohol (0.50).—GALL.—one part of wood and four parts of alcohol (22 degrees).—CADET DE GASSICOURT—one ounce of wood and one pound of alcohol (22 degrees).

R. Guaiac Wood, one ounce.
Alcohol (20 degrees), four ounces.

Macerate for four days in a water-bath, strain, and pour upon the residuum

Alcohol (20 degrees), two ounces.

Macerate for two days; then strain, mix the two tinctures, and filter. (ANT.)

COMPOUND TINCTURE OF GUAIIAC WOOD.

Essentia seu Tinctura Lignorum. (BRUNS.; FULD.; PALAT.; WIRTEM.; SPIELMANN; VAN MONS)

R. Shavings of Guaiac Wood, three ounces.
Sassafras Wood, two ounces.
Rhodium Wood, half an ounce.
Red Sanders } of each,
Wood, } one
Yellow Sanders } ounce.
Wood, }
Alcohol, } two pounds.

Digest for two days, express, and filter. (BRUNS.; WIRTEM.)

R. Wood of Guaiac, three ounces.
Sassafras, two ounces.
Rhodium Wood, half an ounce.
Yellow Sanders, }
Red Sanders, } of each,
Root of Sarsaparilla, } one ounce.
China, }
Spirit of Fumitory, a sufficient quantity

to cover the whole by four fingers' breadth.

Digest for eight days, and filter. (PALAT.)

VAN MONS prescribes six parts of guaiac, four of sassafras, two each of yellow and of red sanders, one part of Rhodium wood, two parts each, of sarsaparilla and of china root, and seventy-two of proof spirit; to be digested for three days, and then filtered.—SPIELMANN—one ounce each, of guaiac, of sassafras, of the roots of sarsaparilla, of elicampagne, of china, and of the tops of fumitory, six drams of red sanders wood, half an ounce of rhubarb, and twenty-

four ounces of proof spirit; these to be infused for eight days, and three ounces of hydrochloric acid added to the strained liquor.

R. Guaiac Shavings, } of each,
Sassafras Shavings, } eight ounces.
Subcarbonate of Potass, two ounces.
Rectified Alcohol, thirty-two ounces.

Digest for four days, express and filter. (FULD.)

It was formerly esteemed as a stimulant, diaphoretic, diuretic, and alterative. It was recommended in the treatment of gonorrhœa and other syphilitic affections.

Dose, from half a dram to one dram, in an appropriate vehicle.

2. *Solution of the natural Resin.*

TINCTURE OF GUAIIAC RESIN.

Tinctura Resinæ seu Gummi Guaiaci.
(LOND.; EDINB.; DUBL.; AMER.; BELG.; GALL.; HANN.; LIPP.; AUGUSTIN; CADET DE GASSICOURT; COXE)

Tinctura Guaiaci.

R. Guaiac Resin, in powder, half a pound.
Proof Spirit, two pints.

Macerate for fourteen days, and filter. (LOND.; AMER.; COXE)

R. Guaiac Resin, in powder, four ounces.
Proof Spirit, two pints.

Macerate for seven days, and filter. (DUBL.)

Tinctura Guaiaci Officialis.
(EDINB.)

R. Guaiac Resin, in powder, six ounces.

Alcohol, two pounds and a half.

Digest for seven days, and filter.

GALL. prescribes one part of resin and four parts of alcohol (20 degrees); to be macerated for six days.—BELG.—one of resin and eight of alcohol (20 degrees); to be digested with heat for six days.—HANN.—one of resin and six of alcohol; to be digested for three days.—LIPP.—one of resin, six of concentrated alcohol, and two of water.—AUGUSTIN—one of resin and thirty-two of alcohol.

Dose, from thirty to fifty drops.

The *Elixir anti-arthritis Caribæum* (*Liqueur or Ratifia des Caraïbes*), of CADET DE GASSICOURT; PIERQUIN; and

SPIELMANN, which has been offered as a specific against gout, is made by digesting two ounces of resin for fifteen days in three pounds of rum. A spoonful is directed to be taken every morning, followed by a glassful of milk or gruel.—The *Anti-arthritis Elixir* prescribed by VAN MONS is a solution made without heat of one part of resin in thirty-eight of rum. The same in his edition of SWEDIAUR, requires, under the name of *Liquor anti-arthritis*, a solution of half an ounce of guaiac resin and two drams of oil of juniper, in four ounces of rum.

COMPOUND TINCTURE OF GUAIIAC RESIN.

Tinctura Guajaci, Elixir seu Balsamum guajacinum. (GENEV.; SWEDIAUR; VAN MONS)

R. Guaiac Resin, one pound.
Peruvian Balsam, three drams.
Alcohol, two pounds and a half.
Digest for eight days, and strain. (SWEDIAUR)

VAN MONS prescribes one part of balsam, eight parts of resin, and sixty-four parts of rum, to be dissolved without heat.—GENEV.—half a pound of resin, two drams of balsam, and one pound of alcohol.

It is excitant, and reputed diaphoretic and diuretic.

TINCTURE OF GUAIIAC AND OF FENNEL.

Tinctura Guaiaci feniculata. (SUEC.)

R. Guaiac Resin, in powder, one ounce.
Essential Oil of Fennel, half an ounce.
Diluted Alcohol, one pound.

Digest the resin with the oil in a stopped flask, at a moderate heat for twenty-four hours; then add the alcohol, and filter.

AMMONIACAL TINCTURE OF GUAIIAC.

Tinctura Guaiaci ammoniata seu ammoniacata, Tinctura seu Elixir Guaiaci volatilis, Elixir guaiacinum volatile, Alcohol cum Guaiaco officinali ammoniatus, Alcohol ammoniac et Guaiaci. (LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; BAVAR.; BELG.; BRUNS.; DAN.; MIL. COPEN.; FENN.; FULD.; GENEV.; HANN.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; SAX.; SUEC.; BRUGNATELLI; CADET DE GASSICOURT; COXE; PIDERIT; SWEDIAUR; VAN MONS)

Tinctura Guaiaci ammoniata.

R. Guaiac Resin, in powder, four ounces.
Aromatic Spirit of Ammonia, one pint and a half.

Macerate for fourteen days, and filter. (LOND.)

EDINB.; and DUBL. give the same formula, but require only seven days maceration.

R. Guaiac Resin, in powder, one part.
Spirit of Ammonia, six parts.

Digest without heat in a close vessel, frequently shaking it. (DAN.; FENN.; OLDEN.; POL.; BORUS.; SAX.; PIDERIT)

BELG. prescribes one part of resin and three parts of spirit of ammonia.—FULD.—one of resin and four of spirit.—BRUGNATELLI—one of resin and five of spirit.—MIL. COPEN.—one of resin and seven of spirit.—VAN MONS—one of resin and six or eight of spirit.

AMST. also prescribes one part of resin and six parts of spirit; to be digested in a moderate heat, for six days.

R. Guaiac Resin, one part.
Aromatic Spirit of Ammonia, six parts.

Digest without heat in a covered vessel. (BRUNS.; GENEV.; LUSIT.; CADET DE GASSICOURT)

AMER.; and COXE prescribe five ounces of resin and one pound and a half of spirit; to be macerated for ten days.

R. Alcohol, (28 degrees), six ounces.
Guaiac Resin, one ounce.
Solution of Ammonia (18 degrees), two ounces.

Macerate for eight days, and filter. (ANT.; BELG.)

R. Guaiac Resin, four ounces.
Spirit of Ammonia, } of each,
Compound Tincture of } nine ounces.
Cinnamon, }

Digest without heat in a covered vessel, and filter. (HANN.)

R. Tincture of Guaiac, twelve parts.
Solution of Subcarbonate of Ammonia, one part.

Mix. (SWEDIAUR)

LIPP. prescribes one part of solid subcarbonate and forty-eight of tincture.

R. Guaiac Resin, one ounce.
Spirit of Ammonia, half a pound.

Macerate for four days, and strain. (SUEC.)

R. Guaiac Resin, four ounces.
Solution of Ammonia, three ounces.
Concentrated Alcohol, twenty-four ounces.

Balsam of Peru, two drams.
Oil of Sassafras, half a dram.

Digest for six days, and strain. (SWEDIAUR)

Dewees' Volatile Tincture of Guaiac (ELLIS), of which the following is the formula, resembles this:

R. Guaiac Resin, eight ounces.
Subcarbonate of Soda, three drams.
Jamaica Pepper, two ounces.
Alcohol (20 degrees), two pounds.

Add to every four ounces of this tincture Solution of Ammonia, one dram.
Mix.

The ammoniacal tincture of guaiac is recommended in dyspepsia, cardialgia, cephalalgia, colic, dysury, rheumatic pains, amenorrhœa, &c.—Dose, from a dram to half an ounce, in milk or warm water; to be taken at night or at twice in the day.—DEWEES' tincture is given in the dose of a tea spoonful in Madeira wine or in any aromatic infusion. We shall take this occasion to remark, that the English [Americans? EDIT.] not content with adding some, usually very energetic, stimulant to preparations which the greater part of dispensaries require to be given in a simple state, direct also the medicament to be administered in a vinous or even alcoholic vehicle. The doctrines of BROWN are deeply rooted among them; indeed such doctrines could have taken rise from no other people, for, if examined, they will be found to be at bottom, merely the exaggeration of their own daily regimen.

SYRUP OF GUAIAIC.

Syrupus guajacinus (AUGUSTIN)

R. Ammoniacal Tincture of Guaiac, two drams.
Mucilage of Gum Arabic, } of each,
Amygdaline Syrup, } one ounce.

Mix.—Dose, one or two tea-spoonfuls four times a day, in gout and chronic exanthemata.

SAPONACEOUS TINCTURE OF GUAIAIC.

Tinctura Hoffeldi. (GALL; CADET DE GASSICOURT; NIEMANN; VAN MONS)

R. Guaiac Resin, } of each, one ounce.
Almond Soap, }
Rectified Spirit, } half a pound.
Dissolve and filter. (CADET DE GASSICOURT; NIEMANN)

GALL; and VAN MONS prescribe one part of resin, two parts of white soap, and a sufficient quantity of alcohol (22 degrees), to effect the solution with the aid of heat: the tincture to be evaporated to the pilular consistence. This product bears the name of *Guaiac Soap* in the two pharmacopœias.

It is recommended in gout and rheumatism.—Dose, one dram.—Of the evaporated mass, eighteen grains.

ARTHRITIC OIL. (VAN MONS)

R. Balsam of Peru, } of each, one part.
Oil of Sassafras, }
Guaiac Resin, } eight parts.
Spirit of Ammonia, } twenty-four parts.
Rectified Spirit, } forty-eight parts.
Digest, and filter.

*Aqueous Vehicle.*1. *Treatment of the wood by boiling water.*

DECOCTION OF GUAIAIC.

Decoctum Guajaci. (GENEV.; HERBIP.; WURCEB.; BRUGNATELLI; NIEMANN; RATIER; SWEDIAUR; PH. SYPH.)

R. Guaiac Shavings, one ounce.
Water, eight pounds.

Macerate for one night, then boil down to one half. (PH. SYPH.; NIEMANN)

This was the formula of ÜLRIC DE HUTTEN.—According to LIEUTAUD, three ounces of guaiac should be infused in twelve pounds of water for twenty-four hours, and then submitted to boiling till reduced to four pounds.—BRUGNATELLI prescribes one ounce of wood and two pounds of water; to be reduced one fourth.—WURCEB.—one ounce and a half of wood and twenty ounces of water; to be reduced to sixteen.

R. Guaiac Shavings, one ounce.
Water, three pounds.

Boil down to one third, adding towards the end

Liquorice, one dram.

Strain. (RATIER)

GENEV. prescribes three drams of wood, four pounds of water, to be reduced to two, and half an ounce of liquorice.

COMPOUND DECOCTION OF GUAIAIC.

Decoctum Guajaci compositum seu *Lignorum* seu *sudorificum* seu *diaphoreticum*. (EDINB.; AMER.; FENN.; FORM. HÔP. FR.; LUSIT.; PALAT.; SUEC.; AUGUSTIN; BRERA; BRUGNATELLI; COXE; DISP. CHA. PARIS; RATIER; NIEMANN; SAUNDERS; SPIELMANN; PH. SYPH.)

R. Guaiac Shavings, three ounces.
Raisins, two ounces.
Water, ten pounds.

Boil down to one half, and add towards the end

Sassafras Wood, } of each,
Liquorice, } one ounce.

Strain. (EDINB.)

The same formula is given by AMER ; BRUGNATELLI ; COXE ; and NIEMANN.

R. Guaiac Shavings, } of each,
 Root of Burdock, } two ounces.
 Water, a sufficient quantity

to obtain two pounds of decoction. Add when strained

Simple Syrup, one ounce.

Mix. (BRERA)

R. Guaiac Shavings, thirty parts.
 Water a sufficient quantity.

Boil down to one third, and pour the boiling liquor upon

Sassafras Shavings, five parts.
 Liquorice, eight parts.

Strain when cold. (FORM. HÔP. FR.)

R. China Root, three drams.
 Guaiac Shavings, } of each,
 Bitter-sweet, } two drams.
 Water, a sufficient quantity

to obtain one pound of decoction. (BRERA)

R. Guaiac Bark, one ounce.
 Spring Water, three pounds.

Boil to the consumption of two thirds, and add to the boiling liquor

Sassafras Shavings, } of each,
 Sanders Wood, } half an ounce.
 Anethum stellatum, two drams.

Strain. (SAUNDERS)

R. Guaiac Shavings, three ounces.
 Spring Water, six pounds.

Boil down to two thirds, and add towards the end

Sassafras Shavings, one ounce.
 Liquorice, two ounces.

Digest for two hours, and strain. (LUSIT.)

R. Guaiac Shavings, three ounces.
 Juniper Shavings, two ounces.
 China Root, one ounce.
 Water, twelve pounds.

Boil down to one half, adding towards the end,

Liquorice, half an ounce.

Strain. (SVEC.)

FENN. gives the same formula, but replaces the china root with soap-wort.

SPIELMANN directs one ounce and a half each, of guaiac, of juniper, and of burdock root, half an ounce each, of root of scrofularia, of stems of bitter-sweet, and of herb of scrofularia, and twelve pounds of water, to be boiled together till reduced to six pounds; and half an ounce of sassafras shavings, two drams each, of liquorice and of anise seeds, to be added towards the end.—BRUGNATELLI—gives the same formula, but prescribes three ounces of guaiac, one

ounce of juniper, and half an ounce of burdock.

R. Guaiac Shavings, six ounces.
 Sassafras Shavings, four ounces.
 Water, twenty-four pounds.

Boil down to one half, adding towards the end,

Liquorice or Raisins, two ounces.

Strain. (PH. SYPH.)

R. Root of Burdock, } of each,
 ——— Patience, } half an ounce.

Guaiac Wood, } of each, one ounce.

Box Wood, }
 Juniper Berries, two ounces.
 Water, four pounds.

Boil down to one half. (PH. SYPH.)

R. Guaiac Wood, one dram and a half.
 Boiling Water, two pounds.

Infuse for twelve hours, and then boil till reduced to a pound and a half. Add towards the end,

Subcarbonate of Potass,

thirty-six grains.

Sassafras, two drams.
 Liquorice, four drams.

Strain when cold. (DISP. CHA. PARIS)

R. Guaiac Wood, one ounce.
 Sassafras Wood, half an ounce.
 Liquorice, one dram.
 Water, five pounds.

Boil for three hours, adding towards the end

Cinnamon Water, three ounces.
 or, Alcohol, one ounce.

R. Species for the Decoction of the

Woods, sixteen pounds.
 Water, sixteen pounds.

Infuse for twenty-four hours, and boil down to one half. (PALAT.)

The residuum is boiled with twelve pounds of barley water till reduced to four; to which raisins and a little cinnamon may be added; this serves for the patient's common drink.

It is excitant, sudorific, and alterative. It is administered principally in syphilitic disorders.

Dose, several glassfuls in the course of the day.

SUDORIFIC AND NUTRITIVE DECOCTION.

Decoctum incitans, nutriens, diaphoreticum et anti-syphiliticum. (BRERA)

R. Guaiac Shavings, one ounce.
 Iceland Moss, two ounces.
 Bitter-sweet, two drams.

Root of Madder, } of each,
 ——— Carex arenaria, } half
 ——— Marshmallows, } an ounce.

Burdock, }
 Fennel, one ounce.
 Water, five pounds.

Boil till reduced to three pounds, and add
Simple Syrup, two ounces.
Mix.

COMPOUND TINCTURE OF TARTAR.

Tinctura Tartari composita, Panacea tartarea. (PALAT.)

R. Crude Tartar, twelve pounds.
Guaiac Wood, four pounds and a half.
Sassafras Wood, } of each, one
Sarsaparilla, } pound and a half.
China Root, }

Distil, separate the liquor from the supernatant oil, and digest in it for several days,

Supertartrate of Potass, half a pound.
Guaiac Wood, eight ounces.
Sassafras Wood, } of each, one
Ash Wood, } ounce and a half.
Sarsaparilla, }
China Root, two ounces and a half.
Red Sanders, one ounce.
Sulphuric Acid, three drams.

Express.

DIURETIC DECOCTION. (SAUNDERS)

R. Guaiac Shavings, } of each,
Sassafras Shavings, } three ounces.
Liquorice, two ounces.
Coriander, half an ounce.
Water, a sufficient quantity
to obtain, after boiling, eight pounds of strained liquor.

YVO GAUKES ANTI-SYPHILITIC DECOCTION.

Decoction sypyliticum Yvo Gaukes seu anti-psoricum. (BRUNS.; SPIELMANN; PH. SYPH.)

R. Guaiac Shavings, three ounces.
Sassafras Shavings, two ounces.
China Root, } of each,
Mercury, in a bag, } one ounce.
Crude Antimony, in a bag, }
Spring Water, twelve pounds.

Boil for twelve hours, adding towards the end,

Liquorice, two ounces.
Strain. (BRUNS.)

SPIELMANN; and PH. SYPH. substitute juniper wood for that of sassafras.

It is excitant, sudorific, and alterative; and is extolled in syphilitic disorders and in itch.

Dose, thirty or forty ounces, daily, for one or two months.

DECOCTION AGAINST TINEA. (PIERQUIN)

R. Guaiac Shavings, two drams.

Fresh Stalks of Bitter-sweet, half an ounce.
Water, sixteen ounces.
Boil down to four fifths; and infuse in the strained decoction, for twelve hours.

Coriander, } of
Flowers of Marigold } each,
St. John's-wort, } two
Leaves of Pansy, } pinches.
Sulphate of Magnesia, } of each,
Senna, } half a dram.

Strain.

2. Suspension of the resin in water.

EMULSION OF GUAIAC.

Emulsio guaiacina seu Gummi Resinæ Guaiaci, Lac guaiacinum seu Gummi Guaiaci Mixture Guaiaci gummosa seu Resinæ Guaiaci aquosa. (LOND.; FENN.; FULD.; LIPP.; CAST. BORUS.; SUEC.; WURCEB.; COXE; NIEMANN; SWEDIAUR; VAN MONS)

Mistura Guaiaci. (LOND.)

R. Guaiac Resin, one dram and a half.
Refined Sugar, two drams.
Mucilage of Gum Arabic, two fluid drams.

Cinnamon Water, eight fluid ounces.

Triturate the resin with the sugar, and then with the mucilage; and finally add the water very gradually.

VAN MONS prescribes one part of gum arabic, two parts of guaiac resin, forty-eight of water, and four of simple syrup: he elsewhere prescribes one part each, of gum and of resin, forty of water, and eight of syrup.

R. Guaiac Resin, two parts.
Gum Arabic, one part.

Triturate together, and add gradually
Peppermint Water, thirty-six parts.
Sugar, six parts.

Mix. (FENN.)

NIEMANN prescribes two parts of resin, one part of gum, thirty-six parts of hyssop water, and two of sugar.—SUEC.—two of resin, one of gum, thirty-six of peppermint water, and six of sugar.—CAST. BORUS.; and WURCEB.—one of resin, one of gum, thirty-two of water, and two of sugar.—COXE.—three of resin, four of sugar, thirty-two of mucilage of gum arabic, and one hundred and twenty-eight of cinnamon water.—FULD.—one each, of resin and of gum, and sixteen of distilled water of sage.—LIPP.—one each of resin and of gum—and twelve of distilled water.

R. Guaiac Resin, }
White Sugar, } of each, one part.
Yolk of Egg, }

Triturate, adding gradually
Distilled Water of Jamaica Pepper,
sixteen parts.

Mix. (SWEDIAUR)

It is stimulant, sudorific, and diuretic.—
Dose, one spoonful.

D.

Unctuous Vehicle.

BALSAM OF GUAIAIC. (VAN MONS)

R. Guaiac Resin, four parts.
Lard, thirty-two parts.

Melt slowly, strain, and add at the moment of cooling

Peruvian Balsam, one part.

Mix.

E.

Alkaline Vehicle.

GUAIAICINE SOAP.

Sapo guaiacinus. (HANN.; OLDEN.; POL.; CAST. BORUS.; BORUS.; SAX.; SWEDIAUR; VAN MONS)

R. Caustic Lye, any quantity.

Dilute it with a double quantity of water, boil it slightly, and add gradually, constantly stirring, guaiac resin till it ceases to be dissolved. Strain, and evaporate to the consistence of pilular mass. (HANN.; OLDEN.; POL.; CAST. BORUS.; BORUS.; SAX.; SWEDIAUR; VAN MONS)

R. Guaiac Resin, six parts.
Fused Caustic Soda, one part.
Water, four parts.

Boil for four hours, replacing the water as it becomes evaporated; then strain and evaporate to the required consistence.

GUAIAICINE PILLS.

Pilula Guaiaci seu guaiacine. (CAST. BORUS.; SWEDIAUR)

R. Guaiacine Soap, half an ounce.
Simple Syrup, } of each, a
Powdered Lycopodium, } sufficient quantity.

Make pills of two grains each.

ANTI-ARTHRITIC POTION. (FULD.)

R. Guaiac Resin, half an ounce.
Solution of Antimoniated Soap, one ounce.
Elder Water, eight ounces.

Dissolve and add,

Syrup of Orange Peel, one ounce.

Mix.—Dose, one spoonful.

IV. Preparations which contain Guaiac in substance.

SPECIES FOR THE DECOCTION OF THE WOODS.

Species Lignorum seu ad Decoctum Lignorum seu pro Decocto Lignorum seu Decocti Lignorum. (DAN.; MIL. COPEN.; GALL.; HANN.; LIPP.; OLDEN.; POL.; PALAT.; CAST. BORUS.; BORUS.; ROSS.; SARD.; WIRTEM.; WURCEB.; HUFELAND; VAN MONS)

R. Guaiac Shavings, }
Root of Burdock, } of each,
Dandelion, } one ounce.

Mix. (MIL. COPEN.)

R. Guaiac Shavings, }
Sarsaparilla, } of each,
China Root, } an equal part.

Mix. (GALL.)

R. Guaiac Shavings, }
Juniper Shavings, } of each,
Root of Patience, } two parts.
Burdock, } of each,
one part.

Mix. (LIPP.)

R. Guaiac Wood, }
Root of Dog-grass, } of each,
Liquorice, } four ounces.
Seeds of Anise, } of each,
one ounce.

Mix. (CAST. BORUS.)

R. Guaiac Shavings, }
Root of Burdock, } of each,
Carex arenaria, } six parts.
Soapwort, } of each,
Liquorice, } three parts.
two parts.

Mix. (ROSS.)

R. Guaiac Shavings, two parts.
Sassafras Shavings, one half part.

Root of Burdock, }
Soapwort, } of each,
Liquorice, } one part.
Carex arenaria, }

Mix. (SARD.)

HANN.; OLDEN.; POL.; and BORUS prescribe twelve parts of guaiac, one half part each, of sassafras and of liquorice, and one part each, of soapwort and of burdock, without carex.—WURCEB.—one part each, of guaiac wood, of juniper wood, of burdock root, and of root of soapwort, and two parts of liquorice.—DAN.—six ounces of guaiac, three ounces each, of sassafras and of burdock root, three drams of liquorice, one ounce and a half of stems of bitter-sweet, and two drams of fennel.—PALAT.—one pound of guaiac wood, four ounces of guaiac bark, two ounces of china root, and one ounce each, of sarsaparilla and of sassafras.—HUFELAND—an equal part each, of guaiac, of sassafras, of bitter-sweet, of fennel, of the roots of burdock, of carex, of patience, of soapwort, and of liquorice.—

WIRTEM.—one pound and a half of guaiac, six ounces of sassafras, four of juniper wood, two each, of sarsaparilla and of china-root, one ounce and a half of liquorice, and half an ounce each, of anise and of fennel seeds.—VAN MONS—six parts each, of guaiac and of juniper woods, three parts each, of sassafras, of china-root, and of sarsaparilla, one part and a half of yellow sanders wood and of liquorice, and one part of cumin.

DETERSIVE SPECIES. (HAMB.; HASS.; HERBIP.; PIDERIT)

R. Root of Soapwort, } of each,
 ——— Dandelion, } three ounces.
 ——— Dog-grass, }
 ——— Patience, }
 ——— Burnet Saxifrage, } two ounces.
 ——— Liquorice, } one ounce.
 Guaiac Shavings, } half a pound.
 Anise, } one ounce.

Mix. (HASS.; PIDERIT)

R. Root of Burdock, } of each,
 ——— Carex arenaria, } three
 ——— Dandelion, } ounces.
 ——— Liquorice, } one ounce.
 Guaiac Shavings, } four ounces.

Mix. (HERBIP.)

R. Root of Burdock, } of each,
 Stalks of Bitter-sweet, } one ounce.
 Guaiac Shavings, }
 Liquorice, } half an ounce.
 Fennel, } of each,
 Mezerion Bark, } two drams.

Mix. (HAMB.)

SPECIES FOR ANTI-ARTHRITIC DECOCTION.

Species Decocti anti-podagricti Viennensis.
 (WIRTEM.)

R. Guaiac Shavings, } six ounces.
 Root of Polypody of the Oak, } of each,
 ——— Sarsaparilla, } four
 ——— China, } ounces.
 Hermodactyls, } of each.

These species are to be boiled in thirty-two pounds of water and eight of wine, till the liquor is reduced to one fourth. It was usual to make the patient drink twenty-four pounds of this decoction in three days, that is to say, about six ounces every hour, observing at the same time a severe regimen.

It frequently happened that an abundant

diuresis and diaphoresis mitigated a paroxysm of the gout.

WERLHOF'S ALTERATIVE ELECTUARY.

Electuarium mundificans. (BRUNS.; DAN.; HANN.; OLDEN.; NIEMANN.; PIDERIT.; SPIELMANN.; VAN MONS)

R. Guaiac Wood, } one ounce.
 Sarsaparilla, } three ounces.
 Senna, } one ounce and a half.
 Rhubarb, } two drams.
 Sassafras Bark, } of each, one dram.
 Anise, }
 Despumated Honey, } one pound.

Mix. (BRUNS.; DAN.; HANN.; NIEMANN.; SPIELMANN)

PIDERIT prescribes six ounces of patience root, two of guaiac wood, four of sassafras bark, one and a half of senna, and one of rhubarb, to be made into a powder, and at the time of prescription, one part of it to be incorporated with four parts of despumated honey.—VAN MONS—one part each, of sassafras bark and of anise, two parts of rhubarb, eight of guaiac, twelve of senna, twenty-four of sarsaparilla, and a sufficient quantity of despumated honey.—OLDEN.—two ounces each, of guaiac and of sassafras, and half an ounce each, of senna and of rhubarb, to be made into a powder, one part of which is to be incorporated with four parts of honey.

Mildly laxative.—Dose, to half an ounce.

ALTERATIVE ELECTUARY FOR THE POOR.
 (BRUNS.)

R. Root of Burdock, } of each,
 ——— China, } one ounce and a half.
 ——— Marshmallows, } of each,
 ——— Liquorice, } half an ounce.
 Hermodactyls, }
 Jalap, } three drams.
 Guaiac Wood, } one ounce and a half.
 Sassafras Bark, } three drams.
 Senna, } one ounce.
 Anise, } of each, one dram.
 Fennel, } of each, one dram.

Pulverize; incorporate the powder with

Despumated Honey, twenty ounces.

Stir well, adding towards the end

Concentrated Alcohol, half an ounce.

Mix.

GUMMI ANIME.—GUM ANIME.

SYNONIMES:—*Resina Anime, Cancanum.*—Animé, Gomme animé, Résine Animé, Fr.; Kourbarillharz, Flussharz, Anime-

gummi, GERM.; Anyme, BOHEM.; Goma-anime, SPAN.; Gom anime, DUT.; Goma-anime, ITAL.

BRUNS.; GALL.; FULD.; HISP.; GENEV.; WIRTEM.; HERBIP.; BERGIUS.; BRUGNATELLI.; GUIBOUT.; MURRAY and GMELIN.; PIDERIT.; SPIELMANN.; ZARDA.

This gum-resin is in oblong, hard pieces, of a yellowish-white, or citrine-yellow colour, transparent internally, and covered on its surface with a kind of farina; they are brittle, shewing a brilliant fracture. Its

odour is sweet and aromatic; its taste is not very marked, but resinous, and moderately astringent.

It flows from the trunk and roots of the *Hymenæa Courbaril*, LINN., a large tree of South America. (*Decandria Monogynia*, LINN.; *Leguminosæ*, JUSS.; *Fig. Flore Medic.* III. 137.)

It is stimulant, and was formerly employed in fumigations against rheumatism.

GUMMI AMMONIACUM.—GUM AMMONIAC.

SYNONIMES:—Gomme Ammoniaque, FR.; Ammoniakgummi, Ammoniakhartz, Ammoniakschleinhartz, GERM.; Úshek, ARAB.; Amonyak, BOHEM.; Ammoniak, DAN.; Feshuk, DUK.; Goma ammoniaco, SPAN.; Gommo Ammoniaco, ITAL.; Semugh bilsherin, PERS.; Guma amomacka, POL.; Gomma ammoniaco, PORT.

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

This gum-resin is sometimes met with in white or yellowish tears (*Gummi Ammoniacum amygdaloides*, seu *electum* seu *in granis seu in lacrymis*), and sometimes in yellowish or reddish agglomerated masses, mixed with white grains (*Gummi ammoniacum in panibus*). It has a feeble but disagreeable odour; and a taste bitterish and somewhat nauseous.

It has been analyzed by NEUMANN, CARTHEUSER, LÖSECKE, BUCHOLZ, CALMEYER, and BRACONNOT: it contains, according to the latter, gum, bassorine, and resin.

It is the inspissated juice which flows, according to JACKSON, from incisions made in the branches of the *Heraclium gummiferum*, WILLD., a plant of the northern coast of Africa; (*Pentandria Digynia*, LINN.; *Umbelliferae*, JUSS.; *Fig. Hort. Berol. Fasc. V. tab. 53, 4.*)

Gum ammoniac being commonly mixed with foreign substances, it is usually purified: for which several processes have been proposed.

1. To pulverize it in cold dry weather, and to sift the powder. (HANN.; OLDEN.; BORUS.; SAX.; SWEDIAUR)

2. To dissolve it in vinegar with the aid of a moderate heat, and then to evaporate the solution, after having strained it, till all the acid shall have become dissipated. (BRUNS.; HISP.)

3. To treat it in the same manner with wine. (HISP.; PALAT.)

4. To treat in the same manner with water. (AMST.; HISP.)

5. To make an emulsion with it and with water, and to evaporate it to the consistence of thick honey. (VAN MONS)

6. To enclose it in a bag, and having softened it with warm water, to suspend it in a covered earthen vessel, the bottom of which it should not touch, to keep the apparatus for some time in a water-bath, and to preserve the gum which exudes. (LUSIT.)

7. To cover it with alcohol (22 degrees) till it becomes soft, then to express it in a cloth, and to evaporate it, in a water-bath, to perfect dryness. (GALL.)

It is considered stimulant, anti-spasmodic, emmenagogue, anti-catarrrhal, and resolvent. It is given internally, in hysteria and chronic catarrhs. It is also applied externally.

MIXTURE OF GUM AMMONIAC.

Lac ammoniacale seu *Ammoniaci*, *Emulsio Gummi-resine Ammoniaci* *Mistura Ammoniaci*. (LOND.; DUBL.; AMER.; FENN.; GALL.; GENEV.; HAMB.; HANN.; LIPP.; LUSIT.; CAST. BORUS.; SUEC.; WURCEB.; BORIS.; CADET DE GASSICOURT.; COXE.; PIDERIT.; PIERQUIN.; RATIER.; SAUNDERS.; SAINTE-MARIE.; SPIELMANN.; SWEDIAUR)

1. *Without Squill.*

Mistura Ammoniaci.

R. Gum Ammoniac, two drams.

Water, half a pint.
Triturate the gum, gradually adding the water, till perfectly mixed. (LOND.)

R. Gum Ammoniac, one dram.
Pennyroyal Water, eight fluid ounces.

Triturate together, and strain. (DUBL.)

AMER.; GENEV.; LUSIT.; COXE; and SWEDIAUR give the same formula as LOND.—FENN.; and FULD. prescribe half an ounce of gum and eight ounces of peppermint water.

R. Gum Ammoniac, half an ounce.
— Arabic, six drams.
Pennyroyal Water, eight ounces.

Triturate well together, and strain. (HANN.)

PIERIT prescribes one ounce of gum ammoniac, one dram of gum arabic, and eight ounces of hyssop water.—LIPP.—two parts of gum ammoniac, one part of mucilage of gum arabic, and thirty-two parts of hyssop water.

R. Fennel Water, six ounces.
Gum Ammoniac, triturated with yolk of egg, three drams.
Syrup of Hyssop, one ounce.

Mix. (SAUNDERS)

R. Live Wood-lice, } of each,
Pennyroyal Water, } half an ounce.
Hydromel, }

Triturate together, strain and make an emulsion with

Gum Ammoniac, half an ounce.
White Sugar, one ounce.

Strain. (BORIES)

R. Live Wood-lice, one hundred and twenty.
Pennyroyal Water, six ounces.

Triturate together, express, and add

Gum Ammoniac, } of each,
Tincture of Benzoin, } three drams.

Mix. (PIERQUIN)

R. Root of Seneca, two drams.
Boiling Water, six ounces.

Infuse, express, and add

Gum Ammoniac, from half a dram to one dram.
Syrup of Tolu, one ounce.

Make an emulsion. (RATIER)

2. With Squill.

R. Gum Ammoniac, two drams.
Oxymel of Squill, half an ounce.

Triturate, and add

Water, eight ounces.
Mix. (CAST. BORUS.; WURCEB.)

PIERQUIN; and SPIELMANN prescribe two drams of gum, half an ounce of oxymel, and twelve ounces of water.

R. Gum Ammoniac, one dram.
Yolk of Egg, a sufficient quantity.
Oxymel of Squill, one ounce.
Water, six ounces.

Mix. (SAUNDERS)

R. Gum Ammoniac, one scruple.
Oxymel of Squill, two ounces.
Pennyroyal Water, six ounces.
Peppermint Water, four drams.

Triturate the gum with the oxymel for a long time, and add the waters. (SAINTE-MARIE)

R. Gum Ammoniac, two drams.
Oxymel of Squill, one ounce.
Distilled Water, six ounces.
Glycyrrhized Honey, two ounces.

Mix. (HAMB.)

R. Leaves of Hyssop, one dram.
Boiling Water, four ounces.

Infuse, and when cold, triturate it with

Oxymel of Squill, one ounce.
Gum Ammoniac, twelve grains.

Mix. (GALL.)

SAINTE-MARIE prescribes one scruple of gum, one ounce of oxymel of squill, five ounces of pennyroyal water, and one ounce and a half of syrup of seneca.—CADET DE GASSICOURT—ten drams each, of oxymel of squill, of oil of almonds, and of syrup of marshmallows, one dram of gum ammoniac, a sufficient quantity of yolk of egg, and six ounces of hyssop water.—SWEDIAUR—one dram and a half of gum, six ounces of water, one ounce of vinous cinnamon water, and from half an ounce to one ounce of oxymel of squill.

All these preparations have been extolled in chronic affections of the lungs.—A spoonful may be given every hour, or an ounce at more distant intervals.

LINIMENT OF GUM AMMONIAC. (SWEDIAUR)

R. Gum Ammoniac, four ounces.
Vinegar of Squill, a sufficient quantity.

Triturate.—It is recommended in white swelling of the joints.

AQUEOUS SYRUP OF GUM AMMONIAC. (VAN MONS)

R. Gum Ammoniac, in powder, one part.
Water, a sufficient quantity.

Triturate together to make a thick emulsion; incorporate with it,

Simple Syrup, sixty-four parts.

VINOUS SYRUP OF GUM AMMONIAC.

(BRUNS.; HANN.; WIRTEM.; HERBIP.; CADET DE GASSICOURT; SPIELMANN)

R. Gum Ammoniac, two ounces,
White Wine, ten ounces.
Dissolve, and add
White Sugar, boiled *à la plume*,
sixteen ounces.

Agitate till cold, and preserve for use.
(HANN.; WIRTEM.; HERBIP.)

BRUNS.; and SPIELMANN give the same formula, but prescribe five ounces each, of white wine and of hyssop water.—CADET DE GASSICOURT prescribes half an ounce of wine, two ounces of gum, and one pound of sugar.

TINCTURE OF GUM AMMONIAC.

Tinctura seu Essentia Gummi ammoniaci.
(GALL.)

R. Gum Ammoniac, one part.
Alcohol (22 degrees), four parts.
Digest for three days, and strain.

ALKALINE TINCTURE OF GUM AMMONIAC.
(BRUNS.)

R. Gum Ammoniac, three ounces.
Solution of Subcarbonate of Potass,
one ounce.
Alcohol, one pound.
Digest for a short time, and strain.

COMPOUND MIXTURE OF GUM AMMONIAC.

(AMER.; FULD.; HAMB.; COXE; SWEDIAUR)

R. Gum Ammoniac, one dram and a half.
Vinegar of Squill, a sufficient quantity.
Hyssop Water, eight ounces.
Solution of Acetate of Ammonia,
one dram.
Oxymel of Squill, one ounce.

Mix. (SWEDIAUR)

HAMB. prescribes two drams of gum, four ounces of distilled water, two ounces of solution of acetate of ammonia, one ounce of syrup of marshmallows, and two drams of antimonial wine.—FULD.—four drams of gum, six ounces of hyssop water, one ounce of solution of acetate of ammonia, and two ounces of syrup of wild mustard.

R. Gum Ammoniac, one dram.
Water, four ounces.
Antimonial Wine, four drams.
Syrup of Tolu, one ounce.
Compound Tincture of Camphor,
four drams.

Mix. (AMER.; COXE)

AMER. gives the title of *Mixtura alba* to this last mixture.

The dose of all these is from one spoonful. The two last require to be watched in their effects more attentively than the others.

ASTRINGENT COLLYRIUM.

Collyrium adstringens. (BRERA)

R. Water, ten ounces.
Tincture of Opium, thirty drops.
Gum Ammoniac, triturated with
Yolk of Egg, two drams.
Mix.

DIURETIC EMULSION. (SWEDIAUR)

R. Gum Ammoniac, two drams.
Yolks of Eggs, two.
Dissolve and add
Parsley Water, eight ounces.
Nitrate of Potass, two drams.
Mix.

ANTI-ASTHMATIC LOHOCH. (SWEDIAUR)

R. Gum Ammoniac, } of each,
Water, } four scruples.
Sweet Pulp of the Root of
Florentine Iris, } of each,
Sweet Pulp of the Root of } six drams.
Elicampane, }
Honey, six ounces.
Mix.

BRUNNER'S EMULSION. (BRUNS.; HISP.; CADET DE GASSICOURT)

R. Gum Ammoniac, two drams.
Hyssop Water, four ounces.
Rhenish Wine, two ounces.
Triturate together. (BRUNS.; CADET DE GASSICOURT)

HISP. prescribes one dram and a half of gum, four ounces of hyssop water, and two of white wine.—Dose, one ounce thrice a day.

OIL OF GUM AMMONIAC. (WIRTEM.)

R. Gum Ammoniac, one part.
Washed Lard, one part and a half.
Distil in a sand-bath, separate the oil from the liquor which passes over with it, and rectify it.

DISCUTIENT CATAPLASM. (SWEDIAUR)

R. Root of White Bryony, three ounces.
Elder Flowers, one ounce.
Water, one pound.
Boil for one hour; then reject the liquor, and add to the expressed herbs,
Gum Ammoniac, dissolved
in Vinegar, half an ounce.
Muriate of Ammonia, two drams.
Spirit of Camphor, one ounce.
Mix.

PILLS OF GUM AMMONIAC.

Pilula pectorales seu resolventes seu deobstruents. (BRUNS.; DAN.; HISP.; FERR.; FULD.; LIPP.; PALAT.; CAST. BORUS.; SARD.; SUEC.; WIRTEM.; AUGUSTIN.; BRERA.; CADET DE GASSICOURT.; PIERQUIN.; RATIER.; SAUNDERS.; SAINTE-MARIE.; SPIELMANN.; SWEDIAUR.; VAN MONS.)

R. Gum Ammonic, }
Extract of Liquorice, } of each,
White Soap, } one dram and
Anisated Balsam of } a half.
Sulphur, }

Make pills of three grains each. (PIERQUIN.; SAINTE-MARIE)

R. Gum Ammonic, } of each,
Extract of Liquorice, } two drams.
Catechu, } half a dram.
Mastic, } one dram.
Syrup of Marshmallows, }
a sufficient quantity.

Make pills of three grains each. (SAINTE-MARIE)

R. Gum Ammonic, one dram and a half.
Extract of Liquorice, two drams.
Milfoil, two scruples.

Mix. (SWEDIAUR)

Dose, fifteen grains, thrice a day.

R. Gum Ammonic, } of each,
Extract of Liquorice, } half an ounce.
Golden Sulphuret of Antimony, }
twenty-four grains.

Mix. (CAST. BORUS.)

Dose, twenty grains, twice a day.

R. Extract of Horehound, one dram.
Myrrh, } of each,
Gum Ammonic, } two drams.
Extract of Liquorice, } three drams.

Mix. (AUGUSTIN)

Dose, from eight to twenty grains, every three hours.

R. Soap, } of each,
Gum Ammonic, } an
Extract of Chamomile, } equal part.
Syrup of Rhubarb, a sufficient quantity.

Mix. (FERR.)

Dose, from half a dram to one dram.

R. Soap, } of each,
Gum Ammonic, } three drams.
Extract of Dandelion, }
Fumitory, }
Antimonial Wine, a sufficient quantity.

Mix. (FULD.)

Dose, from fifteen to thirty grains, daily.

R. Venice Soap, } of each,
Gum Ammonic, } half an ounce.

Mix. (SAINTE-MARIE)

Dose, twelve grains, thrice a day.

R. Soap of Croton Oil, four grains.
Gum Ammonic, triturated } of each,
with yolk of egg, } half a
Extract of Hemlock, } dram.
Dandelion, }
Honey, a sufficient quantity.

Mix. (BRERA)

Dose, three grains, every three hours.

R. Gum Ammonic, three scruples.
Squill, in powder, one scruple.

Mix. (RATIER)

R. PLUMMER'S Alterative Powder,
Extract of Dandelion, three drams.
Gum Ammonic, two drams.
Squill, half a dram.

Mix. (SAINTE-MARIE)

Dose, fifteen grains, thrice a day.

R. Gum Ammonic, dissolved
in Vinegar of Squill, and } of each,
inspissated, } an equal
Soap, } part.
Extract of Hemlock, }

Mix. (DAN.)

R. Soap, half an ounce.
Gum Ammonic, three drams.
Mass of RUFUS' Pill, half a dram.
Tincture of Myrrh,
a sufficient quantity.

Make pills of three grains each. (CADET DE GASSICOURT.; SWEDIAUR)

R. Extract of Hemlock, } of each,
Venice Soap, } one dram and a half.
Gum Ammonic, } of each,
Mass of RUFUS' Pill, } one dram.

Mix. (SAINTE-MARIE)

Dose, six grains, four times a day.

R. Extract of Celandine, } of each,
Soapwort, } half an ounce.
Gum Ammonic, }
Soap, }

Mix. (LIPP.)

Dose, from fifteen to thirty grains, daily.

R. Gum Ammonic, two drams.
Soap, one dram.
Oil of Juniper, twenty drops.

Mix. (AUGUSTIN)

Dose, thirty grains, daily.

R. Gum Ammonic, } of each,
Soap, } one dram.
Inspissated Ox-gall, }
Extract of Celandine, }
Wormwood, }

Mix. (AUGUSTIN)

R. Gum Ammonic, } of each,
Extract of Liquorice, } two drams.

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Golden Sulphuret of Antimony,
twelve grains.

Mix. (AUGUSTIN)

Dose, twenty grains, twice a day.

R. Extract of Fumitory, }
 ———— Buckbean, } of each,
 Gum Ammoniac, } one dram.
 Galbanum, }
 Venice Soap, } two drams.

Mix. (SAUNDERS)

Dose, from fifteen to twenty-five grains,
daily.

R. Extract of Dandelion, } two drams.
 ———— Milfoil, } of each,
 ———— Blessed Thistle, } half
 ———— Hemlock, } an ounce.
 Gum Ammoniac, } of each,
 Acetate of Potass, } two drams.
 Rhubarb, } two scruples.

Mix. (PIERQUIN)

Dose, from twelve to eighty grains, gra-
dually augmented.

R. Soap, } two ounces and a half.
 Gum Ammoniac, }
 Sulphate of Potass, } of each,
 Impissated Ox-gall, } six drams.
 Rhubarb, }
 Extract of Wormwood, }
 Syrup of Wormwood, } a sufficient quantity.

Make a pilular mass. (SPIELMANN)

Dose, half a dram.

R. Gum Ammoniac, } three drams.
 Soap, } half a dram.
 Squill, } six grains.
 Extract of Opium, } three grains.
 Syrup, } a sufficient quantity.

Mix, and divide into forty-eight pills;
three or more to be taken in the course of
the day. (SAUNDERS)

R. Gum Ammoniac, } one dram.
 Myrrh, } half a dram.
 Squill, } ten grains.
 Opium, } six grains.
 Alcohol, } a sufficient quantity.

Make thirty pills. (SUEC.)

Dose, from three to six, in the course of
the day.

R. Opium, } one part.
 Squill, } two parts.
 Myrrh, } six parts.
 Gum Ammoniac, } twelve parts.
 Simple Syrup, } a sufficient quantity.

Mix. (VAN MONS)

R. Prepared Wood Lice, } six drams.
 Gum Ammoniac, } three drams.
 Benzoic Acid, } four scruples.
 Saffron, } of each,
 Balsam of Peru, } one scruple.

RULAND'S Balsam of Sulphur,
a sufficient quantity.

Mix. (HISP.)

R. Gum Ammoniac, dissolved in
 Vinegar of Squills, and inspissated, } two ounces.
 Socotrine Aloes, one ounce and a half.
 Myrrh, } of each,
 Mastic, } two drams.
 Benzoin, }
 Saffron, } two scruples.
 Subcarbonate of Potass, } one dram.
 Syrup of Wormwood, } a sufficient quantity.

Mix. (SARD.)

R. Squill, } half a dram.
 Saffron, } two scruples.
 Subcarbonate of Potass, } one dram.
 Benzoin, }
 Mastic, } of each,
 Myrrh, } two drams.
 Rhubarb, }
 Gum Ammoniac, one ounce and a half.
 Aloes, } two ounces.
 Syrup, } a sufficient quantity.

Mix. (VAN MONS)

R. Saffron, } one part.
 Subcarbonate of Potass, } two parts.
 Mastic, } two parts and a fourth.
 Myrrh, } six parts.
 Aloes, } of each,
 Gum Ammoniac, } twenty-four parts.
 Syrup, } a sufficient quantity.

Mix. (VAN MONS)

R. Aqueous Extract of Aloes, four ounces.
 Gum Ammoniac, dissolved in
 Vinegar of Squill, } six drams.
 Myrrh, } half an ounce.
 Species of the three Sanders Woods, } one dram and a half.
 Saffron, } of each,
 Subcarbonate of Potass, } four scruples.
 Syrup of Roses, } a sufficient quantity.

Mix. (PALAT.)

R. Aqueous Extract of Aloes, two ounces.
 Gum Ammoniac, dissolved in
 Vinegar of Squills, and in-
 spissated, } one ounce and a half.
 Myrrh, }
 Mastic, } of each,
 Benzoin, } two drams.
 Rhubarb, }
 Saffron, } two scruples.
 Subcarbonate of Potass, } one dram.

Mix. (BRUNS.; WIRTEM.; SPIELMANN)

Dose, from twelve to twenty grains.

R. Gum Ammoniac, } of each,
 Galbanum, } one scruple.
 Myrrh, }
 Catechu, } fifteen grains.
 Black Oxide of Iron, } twenty grains.
 Root of Elicampane, } half a dram.

Wood Lice, twenty grains.
 POTIER'S Anti-hectic, ten grains.
 Balm of Mecca, one scruple.
 Syrup of Tolu, a sufficient quantity.

Mix. (PIERQUIN)

Dose, from twenty to sixty grains.

All these pills are more or less stimulant. They have been extolled in asthma, cough, hypochondria, cachexia, diseases of the uterus, obstinate intermittent fevers, particularly those of the quartan type, and in engorgements of the abdominal viscera which frequently follow intermittent fever. It must be observed that many of them in a large dose are strongly purgative.

ANTI-HYDROPIC PILLS. (AUGUSTIN)

R. Gum Ammoniac, two drams.
 Extract of Quassia, } of each,
 Venice Turpentine, } one dram.

Mix.—Dose, twelve or sixteen grains, thrice a day.

EMMENAGOGUE PILLS. (BORIES)

R. Gum Ammoniac, one ounce.
 Sagapenum, two ounces.
 Tincture of Aloes, a sufficient quantity.

Mix, and divide into pills of four grains each.

PLASTER OF GUM AMMONIAC.

Emplastrum Ammoniaci seu de Ammoniaci seu gummosum. (LOND.; EDINB.; AMER.; DAN.; FULD.; SAX.; SUEC.; AUGUSTIN; NIEMANN; SAINTE-MARIE; SWEDIAUR)

R. Gum Ammoniac, five ounces.
 Distilled Vinegar, half a pound.

Dissolve; and evaporate the solution in an iron vessel placed in a water-bath, constantly stirring, till it acquires a proper consistence. (LOND.; EDINB.)

The same formula is given by AMER.; DAN.; AUGUSTIN; COXE; and NIEMANN.

SUEC.; SAINTE-MARIE; and SWEDIAUR prescribe vinegar of squill.

R. Gum Ammoniac, in powder, two parts.
 Ointment of Nitrate of Mercury, three parts.

Melt together, and add

Olive Oil, three ounces.
 Gum Ammoniac, dissolved in
 Vinegar of Squill, eight ounces.
 Venice Turpentine, one ounce.

Boil to the proper consistence. (FULD.)

SPIELMANN prescribes eight parts of gum ammoniac, four of yellow wax, four of resin, and four of turpentine.

It is stimulant and resolvent; and is recommended as an application to white swellings of the joints, enlargement of the testes arising from gonorrhœa, and to hard, indolent, strumous tumours.

COMPOUND PLASTER OF GUM AMMONIAC.

Emplastrum resolvers seu fatidum seu anti-hystericum seu Assafœtida compositum seu gummosum seu gummi-resinosum. (EDINB.; AMER.; AMST.; AUSTR.; BATAV.; BAVAR.; BELG.; DAN.; FULD.; HAMB.; HANN.; HASS.; OLDEN.; POL.; BORUS.; SAX.; COXE)

Emplastrum gummosum. (EDINB.)

R. Plaster of Semi-vitreous
 Oxide of Lead, eight parts.
 Gum Ammoniac, } of each,
 Galbanum, }
 Yellow Wax, } one part.

Melt the plaster and wax, and mix in the gum resins.

AMER.; AMST.; BATAV.; BELG.; and COXE give the same formula.

R. Gum Ammoniac, six parts.
 Galbanum, two parts.
 Yellow Wax, } of each, four parts.
 Resin, }
 Turpentine, }

Melt the wax and resin, and when the mixture is somewhat cooled, add to it the gums melted with a moderate heat in the turpentine. (HANN.; OLDEN.; POL.; BORUS.)

AUSTR. prescribes one part of gum ammoniac, one of galbanum, sixteen parts of wax, eight of resin, and five of turpentine.—SUEC.—half a pound of wax plaster, and one ounce each, of yellow wax, of gum ammoniac, and of galbanum.—DAN.; HANN.; OLDEN.; POL.; BORUS.; and SAX.—twelve parts of gum ammoniac, four of assafœtida, two of soap, and one of olive oil.—HAMB.; and HASS.—three of gum ammoniac, one of assafœtida, one half part of soap, and a sufficient quantity of vinegar; to be boiled together till of the consistence of a plaster.—FULD. directs eight ounces of gum ammoniac, six of assafœtida, one ounce and a half of soap, and one pound of alcohol, to be boiled together till of the proper consistence.

R. Resin, one part.
 Wax, eight parts.
 Olive Oil, two parts.

Melt together, and when the mixture is a little cooled, sift into it

Powdered Gum Ammoniac, } of each,
 Assafœtida, } four parts.

Mix. (BAVAR.)

This plaster is for the same purposes as the preceding.

MUCILAGINOUS PLASTER.

Emplastrum e Fenugræco seu de Mucilagibus. (GALL.; GENEV.; LIPP.; PALAT.; WIRTEM.; SPIELMANN.; VAN MONS.)

R. Mucilage of Fenugreek } of each,
Seeds, } one ounce.
—— Linseed, } six drams.

Oil of Iris, }
Duck's Fat, } of each,
Goose Fat, } one dram and a half.
Capon's Grease, }
Ointment of Marshmallows, two drams.

Boil slowly to the consumption of the humidity, and add

Yellow Wax, two ounces.
Resin, six drams.

When liquified, remove the mixture from the fire, and add a melted mass of

Turpentine, one ounce.
Gum Ammoniac, half an ounce.
Galbanum, one dram.

Then add finally

Wheat Bran, half an ounce.
Powdered Bryony Root, } of each,
Florentine Iris, } two drams.
—— Bdlidium, mixed with

Rose-vinegar, one dram.
Melilot Plaster, six drams.

Mix well. (PALAT.)

R. Ointment of Marshmallows, one ounce and a half.
Yellow Wax, four ounces.
Resin, one ounce.

Melt, strain, and add

Powdered Bryony Root, } of each,
Florentine Iris, } six
Fenugreek Seeds, } drams.

Gum Ammoniac, dissolved in
Vinegar, two ounces.
Melilot Plaster, one ounce.

Make a plaster. (WIRTEM.)

R. Fenugreek Seeds, two ounces.
Hot Linseed Oil, half a pound.

Infuse, strain, and add

Yellow Wax, two pounds and a half.
Gum Ammoniac, six ounces.
Turpentine, two ounces.

Stir the melted mixture till cold. (GENEV.)

R. Root of Fern, } of each, two ounces.
Arum, }
Herb of Arum, } of each,
Henbane, } one ounce and
Hemlock, } a half.
Cress, }
Tobacco, } three drams.

Flowers of Chamomile, }
St. John's-wort, } of each,
Dyer's Broom, } one
Elder, } ounce.

Lard, twenty-four ounces.

Macerate for several days; then boil to the consumption of the humidity. Express, and add

Wax, one ounce and a half.

Powdered Gum Ammoniac, } of each,
Galbanum, } six
drams.

When cold, add

Essential Oil of Cumin, } of each,
Dill, } one dram.
Wax, }

Mix. (SPIELMANN)

R. Yellow Wax, one pound.
Stag's Suet, half a pound.
Gum Ammoniac, three ounces.
Mucilage of Linseed, one pound and a half.

Boil to the proper consistence. (LIPP.)

R. Saffron, in powder, one half part.
Gum Arabic, } of each, two parts.
Galbanum, }
Sagapenum, }

Digest these together in a moderate heat, then add

Turpentine, eight parts.

Incorporate then a mixture, melted, and become nearly cold, of

Yellow Wax, forty parts.
Oil of Linseed, by infusion, } of each,
Fenugreek, } six parts.
Tansey, }

Mix. (VAN MONS)

R. Oil of Mucilage, two hundred and forty parts.
Resin, ninety-six parts.

Melt, strain, and add

Yellow Wax, one thousand parts.

Then, when cold,

Gum Ammoniac, } of each,
Opoponax, } thirty-two parts,
dissolved in alcohol (10 degrees), and evaporated to the consistence of honey. Add lastly

Saffron, in powder, ten parts.

Mix. (GALL.)

This is a bad preparation, and will, we have no doubt, soon disappear with the last traces of Galenic-arabic pharmacy. It is, strictly speaking, a degenerescence of the old ointment of althæa, and become stimulant.

DISCUTIENT PLASTER.

Emplastrum ad Ganglia. (SPIELMANN)

R. Gum Ammoniac, }
Galbanum, } of each,
Opoponax, } one ounce
Venice Turpentine, } and a half.

Melt together, and add

Powdered Sagapenum, } of each,
Myrrh, } one ounce
and a half.

Sulphur, } of each,
Sulphate of Iron, } two
Muriate of Am- } drams.

monia, }
Euphorbium, } one dram.

Mix, and add to the mass when nearly cold,

Oil of Bay, } of each,
Proof Spirit, } half an ounce.

Stir till perfectly cold.

It is recommended as an application to enlarged lymphatic glands.

AROMATIC PLASTER. (AUGUSTIN)

R. Semi-vitreous Oxide of Lead, }
two pounds.

Olive Oil, } two pounds and a half.
Yellow Wax, } one pound.

Turpentine, } of each, four ounces.

Oil of Bay, }
Opoponax, }
Bdellium, }
Gum Ammoniac, } of each,
Sarcocolla, } two ounces.

Olibanum, }
Myrrh, }
Aloes, } one ounce.

Root of Birthwort, } two ounces.

Camphor, } three ounces.

This plaster is extolled by CHRISTIEN in humours of the breast.

SPLENETIC PLASTER. (WIRTEM.)

R. Leaves of Hemlock, } of each,
Dwarf Elder, } two ounces.

Tobacco, } of each,
Flowers of Dyers' Broom, } one ounce.

Vinegar, } one pound.

Macerate for two days, boil, and express.
Dissolve in the liquor

Gum Ammoniac, } one pound.

Strain, evaporate to the consistence of honey, and add it to a mixture, melted and half cold, of

Yellow Wax, } half a pound.

Resin, }
Turpentine, } of each, two ounces.

Caper Oil, }
Mix. (WIRTEM.)

It is recommended in engorgements of the abdominal viscera, hypochondria, jaundice, and flatulent colic. The following ointment to be applied in the same case, is of more convenient use.

SPLENETIC OINTMENT. (PALAT.; SPIELMANN)

R. Caper Bark, }
Tamarisk Bark, } of each,
Herb of Spleen-wort, } one ounce.

Seeds of Cumin, }
Gum Ammoniac, }
Bdellium, }
Caper Oil, } of each,
Oil of Chamomile, } four ounces.

Dill, }
Yellow Wax, }
Make an ointment.

SOAP OF GUM AMMONIAC.

Sapo Gummi ammoniaci, Gummi ammoniacum alkalisatum. (LIPP.)

R. Powdered Gum Ammoniac, six ounces.

Caustic Potass, } three drams.

Distilled Water, } nine ounces.

Boil till the commencement of incorporation; then add gradually,

Caustic Potass, two drams and a half.

Dissolved in

Distilled Water, } four ounces.

Continue to boil, stirring continually till the whole perfectly unites; then evaporate to dryness.

GUMMI ARABICUM.—GUM ARABIC.

SYNONIMES.—*Gummi Mimosa* seu *Serapi-
onis*.—Gomme Arabique, FR.; Mimosen-
gummi, Arabisches Gummi, GERM.;
Samagh arebi, ARAB.; Jewul latu,
CYNG.; Arabisk gummi, DAN.; Kavit
Kagond, DUK.; Goma arabiga, SPAN.;
Gum arabska, POL.; Gomma arabica,
PORT.; Kapittha, SANS.; Vullam Pisin,
TAM.; Velagabauka, TEL.

LOND.; DUBL.; EDINB.; AMST.; ANT.;

AUSTR.; BATAV.; BAVAR.; BELG.;
BRUNS.; DAN.; HISP.; GALL.; FENN.;
FORM.HÔP.FR.; FULD.; HAMB.; HASS.;
HANN.; GENEV.; LIPP.; OLDEN.; POL.;
CAST. BORUS.; ROSS.; SAX.; SUEC.;
WIRTEM.; HERBP.; WURCEB.; BER-
GIUS.; BRUGNATELLI.; COXE.; GUI-
BOURT.; MURRAY and GMELIN.; PARIS;
PIDERIT.; SAUNDERS.; SPIELMANN.;
ZARDA.

It is in pieces, generally round, colourless, or tinged with pale-yellow, semitransparent, brittle, and shewing a vitreous fracture. It is inodorous, and possesses a rapid, viscous taste. It is entirely soluble in water.

It exudes from the bark of the *Mimosa Nilotica*, LINN., a tree of Egypt and Arabia. (*Polygamia Monœcia*, LINN.; *Leguminosæ*, JUSS.; *Fig. Flore Medic. I. 2.*)

DEMULCENT SPECIES.

Species pro Decocto demulcente. (AUGUSTIN)

R. Gum Arabic, four ounces.
Root of Marshmallows, two ounces.
Anethum stellatum, two drams.

DEMULCENT POWDER.

Tragea alba, Pulvis gummosus. (AUSTR.; HANN.; BORUS.; SUEC.; SPIELMANN)

R. Gum Arabic, three ounces.
Liquorice, one ounce.
White Sugar, two ounces.

Mix. (HANN.; BORUS.)

SUEC. prescribes an equal part of each.

R. Starch, } of each, one part.
Liquorice, }
Gum Arabic, } of each, two parts.
White Sugar, }

Mix. (AUSTR.)

R. Liquorice, } of each, three drams.
Florentine Iris, }
Gum Arabic, } one ounce.
— Tragacanth, } half an ounce.
Starch, } five ounces.
Sugar, } sixteen ounces.

Mix. (SPIELMANN)

POWDER OF GUM AND OF SULPHUR.
(MIL. COPEN.)

R. Gum Arabic, } of each,
Sulphur, } ten grains.
Oleosaccharum of Fennel, }

NITROUS DEMULCENT POWDER.

Poudre Tisanifere. (BORIES)

R. Gum Arabic, } of each,
Extract of Liquorice, } four ounces.
Oleosaccharum of Fennel, } four drams.

ASTRINGENT AND DEMULCENT POWDER.

Pulvis incressans Fulleri. (SPIELMANN)

R. Gum Arabic, } of each,
Root of Marshmallows, } an equal part.
Liquorice, }
Dragon's Blood, }

ALKALINE GUM POWDER.

Savon végétal. (FORM. HÔP. FR.)

R. Gum Arabic, eight parts.
Subcarbonate of Potass, one part.
Triturate together for a long time.

TROCHISCS OF GUM ARABIC.

Trochisci Gummi Acacie seu pectorales seu gummosi seu bechici albi. (EDINB.; AMST.; BATAV.; BELG.; COXE; HENRI; SWEDIAUR)

Trochisci gummosi. (EDINB.; COXE)

R. Gum Arabic, four parts.
Starch, one part.
Refined Sugar, twelve parts.
Rose Water, a sufficient quantity.

Make trochiscs.

R. Gum Arabic, } of each, one pound.
Sugar Candy, }

Dissolve the gum in the least possible quantity of hot water; then add the sugar, boil the mixture *à la plume*, pour it upon an oiled warm tin plate, and cut it into proper forms. (VAN MONS)

R. Gum Arabic, nine parts.
White Sugar, thirty parts.
Orange-flower Water, five parts.

Make a firm paste, and form trochiscs. (HENRI)

AMST.; BATAV.; and BELG. prescribe eight ounces each, of gum and of sugar, and white of egg beaten up with four ounces of orange-flower water.

R. White Sugar, twelve parts.
Gum Arabic, four parts.
Potato Starch, one part.

Syrup of Opium, } of each,
Orange-flower Water, } a sufficient quantity.

Make trochiscs. (SWEDIAUR)

R. Starch, one ounce.
Gum Arabic, four ounces.
White Sugar, one pound.
Benzoic Acid, half a dram.
Rose Water, a sufficient quantity.

Make trochiscs. (SWEDIAUR)

YELLOW PECTORAL TROCHISCS. (VAN MONS)

R. Saffron, } of each, one part.
Water, }
Sugar Candy, }

Triturate together, and add

Gum Arabic, sixteen parts.
Sugar, forty-seven parts.
Water, a sufficient quantity.

Make trochiscs.

GORDON'S TROCHISCS. (PIERQUIN)

- R. The four Cold Seeds,
 Seeds of Poppy,
 — Mallow,
 — Cotton,
 — Purslain,
 — Quince,
 — Blue-berry,
 Gum Arabic,
 — Tragacanth,
 Pine-apple Kernels,
 Pistachios,
 Liquorice,
 Pearl Barley,
 Mucilage of Flea-bane Herb,
 Sweet Almonds,
 Armenian Bole,
 Dragon's Blood,
 Roses,
 Myrrh,
 Sugar Candy,
 Hydromel,
- of each,
 one
 ounce.
- of each,
 half an ounce.
- two ounces.
- a sufficient quantity.

These trochiscs are for injections with milk or hydromel.

DEMULCENT PILLS. (SAINTE-MARIE)

- R. Gum Arabic, } of each, four drams.
 Tragacanth, }
 Balsam of Peru, a sufficient quantity.

Make pills of four grains each,

Dose, four or five, thrice a day, in chronic irritations of the stomach.

PECTORAL PASTE. (CADET DE GASSI-COURT)

- R. Gum Arabic, two pounds.
 Water, a sufficient quantity.
 Sugar, twenty-eight ounces.

Evaporate to the consistence of a very thick syrup. Add

Orange-flower Water, eight ounces.

Pour into moulds.

MUCILAGE OF GUM ARABIC.

Mucilago Gummi Arabica seu *Acacia*.
 (LOND.; EDINB.; DUBL.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; MIL. COPEN.; FENN.; FERR.; FULD.; HANN.; LIPP.; OLDEN.; LUSIT.; SAX.; SUEC.; BRUGNATELLI; COXE; SWEDIAUR; VAN MONS)

Mucilago Acaciae. (LOND.)

- R. Gum Arabic, in powder,
 four ounces.
 Boiling Water, half a pint.
 Triturate, gradually adding the water, till perfectly mixed.

Mucilago Acaciae Arabicae. (EDINB.)*Mucilago Gummi Arabici*. (DUBL.)

- R. Gum Arabic, in powder,
 one part.
 Boiling Water, two parts.

Digest with frequent agitation till the gum is dissolved, and strain the mucilage through linen.

ANT.; AUSTR.; BAVAR.; FENN.; HANN.; SUEC.; and COXE gives the same formula.

AMST.; BATAV.; BELG.; MIL. COPEN.; SWEDIAUR; and VAN MONS prescribe an equal part of each.—FULD.; and LUSIT.—two of gum and three of water.—FERR.; and OLDEN.—one of gum and three of water.—LIPP.; and SAX.—one of gum and four of water.—BRUGNATELLI—a sufficient quantity of water.

PECTORAL POTION. (ELLIS)

- R. Gum Arabic, one ounce.
 Water, four ounces.
 Dissolve.

SOLUTION OF GUM ARABIC.

Solutio mycilaginosae. (FORM. HÔP. FR.; DISP. CHA. PARIS; PH. SYPH.; AUGUSTIN.; PIERQUIN; RATIER; SWEDIAUR)

- R. Gum Arabic, two drams.
 Hot Water, two pounds.

Dissolve. (RATIER; PH. SYPH.)

SAUNDERS prescribes one ounce and a half of gum and two pounds of water.

- R. Gum Arabic, one ounce.
 Water, four pounds.
 Syrup of Grape, two ounces.

MIX. (PIERQUIN)

FORM. HÔP. FR.; and SWEDIAUR prescribe two drams of gum, one pound of water, half an ounce of simple syrup.—DISP. CHA. PARIS—half an ounce of gum, two pounds of water, and one ounce of honey.—AUGUSTIN—six drams of gum, twelve ounces of water, and one ounce of syrup.

DECOCTION OF GUM ARABIC.

Decoctum Gummi Arabici seu *incrassans Fullerii*. (ANT.; HERBIP.; SAINTE-MARIE)

- R. Gum Arabic, three ounces.
 Hot Water, two pounds.
 Syrup of Marshmallows, four ounces.

Heat till dissolved. (ANT.; HERBIP.)

- R. Gum Arabic, two drams.
 — Tragacanth, one dram.
 Water, four pounds.

Boil down to two pounds; strain, and add
Sugar Candy, two or three ounces.

DEMULCENT POTION.

Potio leniens. (BRERA)

R. Decoction of Barley, one pound and a half.
Gum Arabic, one ounce.
Juniper Water, half an ounce.
Syrup of Marshmallows, one ounce.

Mix.—To be taken gradually, in renal calculus.

PECTORAL LOHOCH.

Lohoch pectorale leniens. (BRERA)

R. Infusion of Lesser }
Mullein, } of each,
Violets, } two ounces.
Gum Arabic, one dram.
Syrup of Marshmallows, one ounce and a half.

Mix.—To be taken by spoonfuls.

DECOCTION OF GUM ARABIC WITH HARTSHORN.

Decoctum Cornu Cervi gummosum, Decoctum album, seu Cornu Cervini Mistura Cornu Cervi, Emulsio Cornu Cervi usti. (LOND.; DUBL.; HISP.; SUEC.; COXE)

Mistura Cornu usti. (LOND.; and COXE)

R. Burnt Hartshorn, two ounces.
Gum Arabic, one ounce.
Water, three pints.

Boil down to two pints, constantly stirring, and strain.

Decoctum Cornu cervini. (DUBL.)

R. Burnt Hartshorn, two ounces.
Gum Arabic, three drams.
Water, three pints.

Boil down to two pints, constantly stirring and strain.

HISP. prescribes one ounce of gum arabic, half an ounce of burnt hartshorn, and four pounds of water; to be boiled slightly, and two ounces of sugar added to the strained liquor.—HISP. also prescribes two drams of burnt hartshorn, and half an ounce each, of sugar and of gum; to be boiled in a pound and a half of water, till this is reduced to one pound, and the decoction to be strained through close flannel. As COXE has judiciously remarked, it would be better to triturate the powder of phosphate of

lime with a certain quantity of mucilage, and to add a sufficient quantity of water.

R. Calcined Hartshorn, half an ounce.
Gum Arabic, one ounce.
Water, three pounds.

Boil, and add with trituration

Almond Paste, one ounce.

Strain. (SUEC.)

It is considered emollient.

SYRUP OF GUM ARABIC.

Syrupus Gummi Acaciae. (GALL.; SWEDIAUR; VAN MONS)

R. Gum Arabic, bruised, } of each,
Water, } one pound.

Dissolve, with the aid of heat, and add
Syrup, four pounds.

Boil for a few minutes, skim, and when cold strain through flannel. (GALL.)

HENRI recommends the solution to be effected without heat, and thinks that six ounces of gum would suffice.

R. Gum Arabic, one part.
Water, four parts.

Dissolve with heat, and add

Sugar Candy, three parts.

Clarify with white of egg, strain through close flannel, and evaporate to the consistence of syrup. (VAN MONS)

SWEDIAUR directs one part of gum to be dissolved in three parts of water, and three parts of sugar added; the mixture to be clarified and boiled to the proper consistence.

PASTE OF GUM ARABIC.

Pasta seu Massa de Gummo Arabico seu Althææ, Pasta gummosa saccharata. (AUSTR.; BAVAR.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; HASS.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; WIRTEM.; HERBIP.; BRUGNATELLI.; NIEMANN.; PIDERIT.; SPIELMANN.; SWEDIAUR; VAN MONS)

1. *With Marshmallows.*

R. Fresh Root of Marshmallows, four ounces.
Water, five pounds.

Infuse for twelve hours, strain, and add
Gum Arabic, } of each, two pounds.
White Sugar, }

Strain through a thick cloth, and evaporate the liquor to the consistence of thick extract, constantly stirring; then beat the mass, and add at several times, to five pounds of it, twelve whites of eggs beaten with four ounces of orange-flower water, till it becomes white then inspissate it

over a slow fire, continually stirring, till the mass ceases to adhere to the hand. (GALL.)

OLDEN.; BORUS.; NIEMANN.; BRUGNATELLI.; and SWEDIAUR prescribe four ounces of root, eight pounds of boiling water, twelve hours' infusion, two pounds each, of gum and of sugar, twelve whites of eggs, and two ounces of orange-flower water.—BAVAR.; and SAX.—one half part of root, twelve parts of boiling water, twelve hours' maceration, six parts each, of sugar and of gum, ten whites of eggs, and one part of orange-flower water.—FENN.—half a pound of root, eight ounces of boiling water, twenty-four hours' infusion, two pounds each, of gum and of sugar, twenty whites of eggs, and one ounce of orange-flower water.—DAN.—three ounces of root, eight pounds of boiling water, twelve hours' infusion followed with a slight boiling, three pounds each, of gum and of sugar, and forty whites of eggs, without orange-flower water.—LIPP.—two ounces of root, two pounds of water, twenty-four hours' digestion in a sand-bath, one pound each, of gum and of sugar, eight whites of eggs, and half an ounce of water.—FERR.—four ounces of root, eight pounds of water, to be boiled down to four, six ounces of gum, two pounds of sugar, and half an ounce of orange-flower water.—HASS.; and PIDERIT—one ounce of root, four pounds of water, to be boiled down to two, one pound each, of sugar and of gum, twelve whites of eggs, and half an ounce of orange-flower water. SPIELMANN—four ounces of root, sixty-four of water, seven minutes' boiling, thirty two ounces each, of gum and of sugar, six whites of eggs, and four ounces of orange-flower water.—SARD.—half a pound of root, eight pounds of water, boiled down to six, two pounds and a half of gum, three pounds of sugar, and twenty-four whites of eggs.—HISP.—four ounces of root, six pounds of water, a slight boiling, two pounds and a half each, of sugar and of gum, four whites of eggs, and four ounces of orange-flower water.—BRUNS.; FULD.; PALAT.; WIRTEM.; and HERBIP.—four ounces of root, eight pounds of water, to be boiled down to four, two pounds and a half each, of gum and of sugar, six whites of eggs, and half an ounce of orange-flower water.—ROSS.—the same proportions, but requires twenty whites of eggs, and an indeterminate quantity of orange-flower water.—AUSTR.—four ounces of root, ten pounds of water, to be boiled down to nine, two each, of gum and of sugar, thirty whites of eggs, and two ounces of orange-flower water.

2. Without Marshmallows.

R. Whites of Eggs, sixteen.

Orange-flower Water, half a pound.
Beat well together, and add

Powdered Gum Arabic, } of each,
White Sugar, } one pound
and a half.

Stir with a wooden spatula, and when the mass shall have assumed a white colour, put it near the fire, that its tenacity may be lessened, and then pour it into paper moulds. (POL.)

R. Gum Arabic, thirty-two ounces.
Water, a sufficient quantity

to dissolve it. Add

White Sugar, thirty-two ounces.

Clarify, evaporate to the consistence of thick honey, and add gradually,

White of Egg, beaten, four ounces.

Put it again over the fire, and evaporate, constantly stirring, till the mass no longer adheres to the fingers. Add finally,

Orange-flower Water, half an ounce,
and pour the mass into paper moulds sprinkled with starch. (VAN MONS)

INFUSION OF THE PASTE OF GUM ARABIC.

(AUGUSTIN.; NIEMANN)

R. Paste of Gum Arabic,
from half an ounce to two ounces.
Boiling Water, three pounds.

Dissolve by maceration in a warm place. Lemon juice may be added to render its taste more grateful.

EXPECTORANT LOHOCH. (GENEV.; PIERQUIN.; SAINTE-MARIE)

R. Mucilage of Gum Arabic, } of each,
Despumated Honey, } one ounce.

Mix. (SAINTE-MARIE)

R. Gum Arabic, } of each,
Syrup of Marshmallows, } one ounce.
Red Poppies, }

Mix. GENEV.; PIERQUIN)

R. Gum Arabic, twenty grains.
Syrup of Marshmal- } of each,
lows, } one ounce and
Coltsfoot, } a half.
Distilled Water of Lily, two ounces.

Mix. (PIERQUIN)

DEMULCENT POTION.

Potto demulcens. (FORM. HÔP. FR.; FULD.; RATIER)

R. Gum Arabic, six drams.
Water, twelve ounces.
Syrup, one ounce.

Mix. (FULD.)

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R. Gum Arabic, one dram.
Syrup of Marshmallows, half an ounce.
Water, four ounces.

Mix. (FORM. HÔP. FR. ; RATIER)

R. Pectoral Species, } of each,
Gum Arabic, } twenty grains.
Simple Syrup, two ounces.
Water, four ounces.

Mix. (RATIER)

R. Gum Arabic, one dram.
Water, three ounces.
Orange-flower Water, two drams.
Simple Syrup, one ounce.

Mix. (RATIER)

R. Gum Arabic, eighteen grains.
Pectoral Infusion, four ounces.
Orange-flower Water, two drams.
Syrup of Marshmallows, three ounces.

Mix. (RATIER)

MUCILAGINOUS MIXTURE. (MIL. COPEN.)

R. Decoction of Marshmallows, six ounces.
Gum Arabic, } of each, two drams.
Sugar, }
Sulphuric Æther, one dram.

Mix.

ANTI-NEPHRITIC POTION. (CADET DE GASSICOURT)

R. Decoction of Barley, two pounds.
Gum Arabic, three ounces.
Compound Juniper Water, two ounces.
Syrup of Marshmallows, one ounce and a half.

Mix.—One half to be taken in the course of the day.

REFRIGERANT MIXTURE. (SAINTE-MARIE)

R. Supertartrate of Potass, four drams.
White Sugar, } of each, one ounce.
Gum Arabic, }
Syrup of Roses, a sufficient quantity to make an electuary. Add a few drops of diluted sulphuric acid.

SEDATIVE POTION. (RATIER)

R. Infusion of Lime Flowers, two ounces.
Pectoral Infusion, } of each,
Solution of Gum Arabic, } one ounce.
Syrup of Poppy, }
Simple Syrup, half an ounce.
Orange-flower Water, two drams.

Mix.

MUCILAGINOUS EMULSION. (HANN.)

R. Powdered Liquorice, } of each,
Marshmallows, } six drams.
Root, }
Florentine Iris, }
Gum Arabic, one ounce and a half.

Mix.—The emulsion is made by mixing two scruples of this powder with one ounce of amygdaline syrup.

LOHOCH OF GUM ARABIC. (PIERQUIN ; RATIER)

R. Gum Arabic, } of each, two drams.
Sugar, }
Water, five ounces.

Mix. (RATIER)

R. Gum Arabic, two ounces.
Pectoral Infusion, four ounces.
Syrup of Grape, one ounce and a half.

Mix. (PIERQUIN)

RATIER prescribes half an ounce of gum, four ounces of pectoral infusion, and one ounce of syrup.

ANTI-RHEUMATISMAL MIXTURE. (CADET DE GASSICOURT)

R. Water, five ounces.
Nutmeg Water, } of each,
Syrup of Orange Peel, } half an ounce.
Fresh Root of Arum, } of each,
Gum Arabic, } two drams.
Spermacti, two scruples.

Dissolve the gum in a little water, and reduce the mucilage to a soft paste with the spermacti; then add the pulp of the root, and triturate, gradually adding the waters and syrup.

GUMMI CARANNÆ.—GUM CARANNA.

SYNONIMES:—*Caranna, Resina Carannæ.*—Caranne, Caragne, Caraigne, Gomme or Resine Caragne, Fr.

BRUNS. ; GALL. ; HISP. ; WIRTEM. ; BERGIUS ; GUIBOUT ; MURRAY and GMELIN ; SPIELMANN.

This gum-resin is in granulated fragments, or in pieces of the size of a walnut, hard,

fragile, opaque, and of a greenish-black colour. Its odour is aromatic, and its taste bitter and feebly resinous.

We are ignorant of the vegetable which furnishes it. There is reason to believe it is from the *Icica Caranna*, CAND., a tree of America. (*Ocandria Monogyntia*, LINN. ; *Terebinthinaceæ*, JUSS.)

It is stimulant; but it is rarely used.

GUMMI CERASI.—CHERRY GUM.

SYNONIMES:—*Gummi Cerasorum*, *Gummi nostras*.—Gomme du pays, FR.; Kirschenharz, Kirschengummi, GERM.; Goma del paes, SPAN.; Kørsbærskada, SWED.

BRUNS.; HISP.; FERR.; FORM. HÔP. FR.; HASS.; SUEC.; WIRTEM.; GUIBOURT; MURRAY and GMELIN; SPIELMANN.

It is in large, agglutinated, transparent, red pieces, imperfectly soluble in water.

It exudes from the trunk and branches of plum, cherry, apricot, and almond trees.

It is composed of two substances, one soluble and the other not soluble in water, combined in various proportions.

GUMMI COPAL.—GUM COPAL.

SYNONIMES:—*Resina copallina*, *Copal Resina*.—Copal, FR.

BRUNS.; HISP.; GALL.; FERR.; WIRTEM.; BERGIUS; GUIBOURT; SPIELMANN.

A solid gum-resin, of a yellowish-white or brownish-yellow colour, dull externally, vitreous and transparent internally, extremely hard, and requiring heat for the development of its taste and smell.

It is attributed to the *Elaeocarpus Copallifera*, RETZ. a tree of Ceylon; but GUIBOURT is of opinion that it is produced by a vegetable allied to the *Hymenæa*.

The *Rhus Copallinus*, LINN., yields an analogous resin.

It is stimulant, and is sometimes employed in fumigations.

GUMMI ELASTICUM.—ELASTIC GUM.

SYNONIMES:—*Resina elastica seu Cayennensis*, *Cahuchu*.—Caoutchouc, Gomme élastique, Résine élastique, FR.; Kaoutchok, Federharz, Elastisches Harz, GERM.; Elastic hárpex, DAN.; Kautchuk, SWED.

DAN.; GALL.; FERR.; SAX.; SUEC.; WIRTEM.; BERGIUS; BRÜGNATELLI; GUIBOURT; MURRAY and GMELIN; FIDÉRIT; SPIELMANN.

This substance is in thick coriaceous pieces, solid, very elastic, of a white, brown, or red colour, inodorous, and insipid.

It differs from the resins, properly so called, inasmuch as azote enters into its composition. It exists in a great number of vegetables and vegetable productions, but it is furnished principally by the coagulation of the juice of the *Siphonia Cahuchu*, SCHREB., a tree of Brazil and Guiana.

(*Monœcia Monadelphia*, LINN.; *Euphorbiaceæ*, JUSS.; *Fig. Flore Medic. II. 23.*)

PLASTER OF ELASTIC GUM.

Emplastrum e Resina elastica. (CADET DE GASSICOURT; SWEDIAUR)

R. Elastic Gum, four ounces.
Spirit of Turpentine, one pound.

Digest for eight days with a moderate heat, in a covered vessel; then boil over a slow fire, set aside, decant, and add

Olive Oil, } of each, two ounces.
White Wax, }

Boil slowly till the spirit is evaporated, and preserve the mass when cold.

It is employed in making adhesive bandages.

GUMMI EUPHORBII.—EUPHORBIIUM.

SYNONIMES:—*Euphorbium*, *Ευφορβιον*—Euphorbe, FR.; Euphorbium, DAN.; DUT.; and GERM.; Akalnafsah, Farfiyun, Gholak, Kala, ARAB.; Nara schij, BENG.; and HIND.; Enforbium, BHEM.; Dalukga-hehkerry, CYN.; Saynd ka dud, DUK.; Euforbio, ITAL.; PORT.; and SPAN.; Euforb, POL.; Vojrakschira, Vajrakantaka, SANS.; Prustkæda, SWED.; Schadraykullie paal, TAM.; Bontajem-modupala, TEL.

LOND.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; BRUGNATELLI.; COXE.; GUBOURT.; MURRAY and GMELIN.; PARIS.; PIDERIT.; SPIELMANN.; ZARDA.

This gum-resin is in small irregularly-shaped friable masses, round, oval, uneven on the surface, sometimes branched and cavernous; of a pale-yellow externally, whitish and shining internally, and inodorous.

It results from the exsiccation of the milky juice which flows from incisions made in the stems or branches of the *Euphorbia Officinarum*, LINN. (*Fig. Flore Med. II. 60*), of the *E. Canariensis* (*Fig. Blackw. Herb. t. 340. f. 1*), and of the *E. Antiquorum* (*Fig. Black. Herb. t. 339*), shrubs (*Dodecandria Trigynia*, LINN.; *Euphorbiaceæ*, JUSS.) which grow, the first in the deserts of Africa, the second in the Canaries, and the last at Malabar or in Barbary.

It contains, according to PELLETIER, resin, wax, and various malates. BRACONNOT has given a somewhat different analysis of it.

It is one of the most violent irritants, and is now rarely employed except externally.

ERRHINE POWDER. (PIERQUIN)

R. Euphorbium, one dram.
Root of White Hellebore, four scruples.

Make a powder.

OIL OF EUPHORBIIUM. (HISP.; SARD.; WIRTEM.; VAN MONS)

R. Euphorbium, one part.
Oil of Cloves, ten parts.
Wine, four parts.

Boil to the consumption of the humidity, and strain. (WIRTEM.)

R. Euphorbium, one part.
Olive Oil, ten parts.

Digest without heat for several days, and filter. (VAN MONS)

SARD. prescribes six ounces of euphorbium, and two pounds of olive oil.—HISP.—one ounce of euphorbium, and twelve ounces of oil.

It is recommended in paralysis and atrophy of the limbs.

TINCTURE OF EUPHORBIIUM.

Tinctura Euphorbii. (AUSTR.; GALL.; FULD.; HANN.; HASS.; LIPP.; BORUS.; SAX.; NIEMANN.; PIDERIT)

R. Euphorbium, in coarse powder, one part.
Alcohol (22 degrees), four parts.

Digest for three days, and strain. (GALL.)

AUSTR. prescribes two ounces of euphorbium, and one pound of alcohol (0.850).—HANN.; HASS.; BORUS.; SAX.; and PIDERIT—one ounce of euphorbium, and one pound of rectified spirit.—FULD.—one part of euphorbium, and eight parts of alcohol.—LIPP.—one of euphorbium, and sixteen of alcohol.

It is applied externally in caries, to chronic and sordid ulcers, to scrofulous engorgements, and to paralytic parts.

The greatest circumspection is required in employing it.

PLASTER OF EUPHORBIIUM.

Emplastrum ischiadicum seu rubefaciens seu de Euphorbio.

R. Resin, four ounces.
Turpentine, six drams.

Melt together, and add

Euphorbium, in powder, one dram and a half.

Mix. (DAN.; HERBIP.; SAUNDERS.; SPIELMANN)

VAN MONS prescribes four ounces of resin, three ounces of turpentine, and six drams of euphorbium.—SWEDIAUR—one ounce of resin, a sufficient quantity of turpentine, and fifteen grains of euphorbium.—LIPP.; and NIEMANN—eight parts of resin, four of turpentine, and three of euphorbium.

COMPOUND PLASTER OF EUPHORBIIUM.

Emplâtre des Capucins. (WIRTEM.)

R. Gum Ammoniac, }
Olibanum, } of each,
Mastic, } one ounce.
Tutty, }

Euphorbium,	} of each,	
Pyrethrum,		two ounces.
Muriate of Soda,	} three ounces.	
Pitch,		
Turpentine,		one ounce.
Yellow Wax,		three ounces.

Melt together the three last, and add slowly the other ingredients pulverized together.

It is resolvent and rubefacient; it received the name of *Capucins' plaster* on account of their using it to remove callosities of the knees, sufficiently common among them.

SPIELMANN gives a formula for a very similar preparation which he calls *Emplastrum ad Fungos Articularum*.—three ounces of pitch, one ounce each, of wax and of turpentine, two ounces each, of pyrethrum, of decrepitated muriate of soda, and of euphorbium, and one ounce each, of gum ammoniac, of galbanum, of mastic, and of olibanum.

EPISPASTIC OINTMENT.

Unguentum Conyzæ seu ad tabida membra.
(HISP.; WIRTEM.; CADET DE GASSICOURT)

R. Compound Oil of Arthanita,	four pounds.
White Wax,	one pound.
Lard,	four pounds.
Melt, and add	

Powdered Pyrethrum,	} of each,	
— Ginger,		half
— Black Pepper,		an ounce.
— Euphorbium,		
— Mastic,		
— Olibanum,		

Stir till perfectly cold. (HISP.)

R. Ointment of Resin,	four ounces.
Mustard Seeds,	half an ounce.
Stavesacre Seeds,	} of each, one dram.
Long Pepper,	
Pyrethrum,	
Euphorbium,	
Turpentine,	a sufficient quantity.

Triturate together. (CADET DE GASSICOURT)

R. Oil of Bay,	three ounces.	
— Juniper,	} of each,	
— Bricks,		half
— Castor,		an ounce.
— Lavender,		
— Red Petroleum,		
Capon's Grease,	} of each,	
Fat of Wild Cat,		one ounce.
— Duck,		
Goose Grease,		
Human Fat,	one ounce and a half.	
Powdered Euphorbium,	half an ounce.	
— Alum,	} of each, two drams.	
— Savine,		
Venice Soap,	of each,	
Alcohol,	three ounces.	

Dissolve the soap in the alcohol, and add the rest. (WIRTEM.)

GUMMI HEDERÆ.—GUM HEDERA.

SYNONIMES:—*Resina Hederae*.—Gomme de Lierre, FR.; Epheugummi, GERM.; Goma yedra, SPAN.

HISP.

This is in hard, brittle pieces, of a reddish-brown or blackish colour, semi-transpa-

rent, and of a bright fracture. It has an agreeable, feeble odour, but developed by heat, and an aromatic, acrid, resinous, and rather styptic taste.

It is produced by the *Hedera Helix*, LINN.; but only in the East.

GUMMI LADANUM.—LABDANUM.

SYNONIMES:—*Λαδανον*.—Ladanum, Labdanum, FR.; Ladanumgummi, GERM.; Ladun, ARAB.; Ladano, SPAN.

AMST.; ANT.; BATAV.; BELG.; BRUNS.; HISP.; GALL.; FERR.; GENEV.; LUSIT.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; BRUGNATELLI.; GUIBOURT.; MURRAY and GMELIN.; SPIELMANN.; ZARDA.

There are two sorts of this gum-resin :

1. *Ladanum in massis*: in soft glutinant masses, of a blackish-red or black colour.

2. *Ladanum in tortis*: in flattened, spirally-twisted cylinders, dry, hard, brittle, and of a blackish-grey colour.

Its odour is pleasant, and its taste feeble, but balsamic and bitterish.

It exudes spontaneously from the leaves and branches of the *Cistus Creticus*, LINN.,

a shrub of the Archipelago. (*Polyandria Monogynia*, LINN.; *Cistineæ*, JUSS.; *Fig. Flore Medic. IV. 212.*)

It is stimulant, but not much used.

PLASTER OF LABDANUM.

Emplastrum Ladani seu stomachicum.
(AMST.; LUSIT.; BRUGNATELLI; COXE;
SWEDIAUR; VAN MONS)

R. Labdanum, three ounces.
Olibanum, one ounce.

Melt slowly, and add

Oil of Nutmeg, by ex-	} of each,
pression,	
Balsam of Peru,	
Cinnamon, in powder,	} half
	} an ounce.

Mix. (LUSIT.)

BRUGNATELLI; and SWEDIAUR prescribe one ounce of olibanum, three ounces of labdanum, half an ounce of oil of nutmeg, half an ounce of cinnamon, and one dram of oil of mint.—COXE—three ounces of labdanum, one ounce of resin, one ounce and a

half of oil of nutmeg, one ounce and a half of cinnamon, and one dram of oil of mint.

R. Litharge Plaster, } of each,
Cumin Plaster, } one pound.
Resin, } half a pound.
Storax, } half an ounce.

Melt slowly together, and add

Powdered Labdanum, two ounces.

Mix. (AMST.)

R. Yellow Wax, six parts.
Mutton Suet, } of each, four parts.
Resin, }
Elemi, } one part.

Melt together, and macerate with

Cumin Seeds,	} of each, two parts.
Bay Berries,	
Melilot Flowers,	

Strain the liquor while hot, and add

Melted Litharge Plaster, thirty-six parts.

Gum Ammoniac, one part.
Labdanum, four parts.

Mix. (VAN MONS)

GUMMI MYRRHÆ.—MYRRH.

SYNONIMES:—*Myrrha*, *Myrrha rubra*; *συρρα*.—MYRRHÆ, FR.; MYRRHEN, MYRRHENGUMMI, MYRRHENSCHLEIMHARZ, GERM.; MUIR, ARAB.; MADU, BAL.; MYRRCHA, BOHEM.; MYRRHA, DAN.; and PORT.; HIRA BOL, DUK.; MIRTA, ITAL.; SPAN.; and POL.; BOL, HIND.; MADU, JAV.; MANISANLEBAH, MAL.; VOLA, SANS.; MYRTA, SWED.; VALATIPOLUM, PALENDRA BOLUM, VILLEY BOLUM, TAM.; BALINTRA BOLUM, TEL.

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

Myrrh is in small pieces, the hue of which varies from that of brownish-yellow to red; they are semitransparent, fragile, and of a resinous fracture. Its odour is agreeable, and its taste bitter and slightly aromatic.

It results from the inspissation of the juice which flows from incisions made in a vegetable of the eastern coast of Africa, which FORKÆL says is an *Amyris*, and BRUCE, a *Mimosa*.

It is tonic and stimulant.—Dose, from ten grains to a dram, of the powder.

AQUEOUS EXTRACT OF MYRRH.

Extractum Myrrhæ gummosum. (AMST.; ANT.; AUSTR.; BAVAR.; BELG.; BRUNS.; GALL.; FERR.; FULD.; HANN.; HASS.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; SAX.; SARD.; WIRTEM.; HERBIP.; PIDERIT; VAN MONS)

R. Myrrh, one part.
Water, four parts.

Having digested it in a covered vessel in a warm place, set it aside in a cool place for twenty-four hours; then decant, strain, and evaporate over a slow fire, to the proper consistence. (AMST.; ANT.; AUSTR.; BAVAR.; BELG.; HANN.; OLDEN.; POL.; BORUS.; SAX.)

BORUS.; and VAN MONS prescribe one part of myrrh and eight parts of water.—FERR.; FULD.; HASS.; LIPP.; HERBIP.; and PIDERIT—one of myrrh, and six of water.—GALL.—a sufficient quantity of each.

R. Myrrh, } of each, one part.
Saw-dust, }
Water, } two parts.

Boil, submit it to a REAL'S press, and evaporate to the proper consistence. (VAN MONS)

R. Myrrh, any quantity.

Emulsionize it, at twice, with four ounces of water each time. Mix the emulsions and evaporate, constantly stirring, to the consistency of an extract.

R. Myrrh, half a pound.
Solution of Subcarbonate of Potass. one ounce.

Mix well with a wooden spatula, and set aside in a cellar for fifteen days; then pour hot water upon the mass, stir, and set it aside again: having poured off the clear liquor, pour more hot water upon the residuum. Repeat this till the water comes off colourless, then mix together the strained liquors and evaporate slowly. (OLDEN.; PALAT.; SARD.; WIRTEM.)

Dose, from four to ten grains, several times a day.

ALCOHOLIC EXTRACT OF MYRRH.

Extractum Myrrhæ resinosum. (SARD.)

R. Myrrh, any quantity.

Treat it with rectified alcohol, and strain the tincture. Distil off the spirit and evaporate the residuum in a water-bath.

COMPOUND EXTRACT OF MYRRH.

Extractum Myrrhæ graminatum. (VAN MONS)

R. Myrrh, two ounces.
Gum Arabic, two drams.

Pulverize them together, and reduce them to a thick emulsion, by the addition of a sufficient quantity of water. Mix it with

Extract of Dog-grass, four ounces.

It is recommended in pulmonary consumption and ulceration of the uterus.—Dose, one or two drams, in water, twice or thrice a day.

OLEOSACCHARUM OF MYRRH.

Saccharum Myrrhæ seu myrrhatum Oleosaccharum Myrrhæ. (FULD.; LIPP.; WIRTEM.; AUGUSTIN; NIEMANN; PIDERIT; SPIELMANN)

R. Aqueous Extract of Myrrh, one part.
White Sugar, four parts.

Mix. (FULD.; HERBIP.; PIDERIT)

NIEMANN; and SPIELMANN prescribe one part of extract and eight parts of sugar.—LIPP.—one of extract and four of sugar of milk.—AUGUSTIN—one of extract and three of sugar of milk.

It is stomachic.—Dose, from a scruple to half a dram.

COMPOUND POWDER OF MYRRH.

Pulvis Myrrhæ compositus Pulvis ad Ulcera Tendinum seu emmenagogus. (AMST.;

BATAV.; LUSIT. AUGUSTIN; BORIES; SWEDIAUR)

R. Myrrh, }
Mastic, } of each, an equal part.

Mix. (SWEDIAUR)

It is recommended in cases of caries of the bones and of denuded tendons. We think it should be rejected in sound surgical practice.

R. Myrrh, half an ounce.

Opoanax, }
Sagapenum, } of each, two drams.
Castor, }
Oil of Mint, }
Rue, } of each, four drops.

Mix. (AMST.; BATAV.)

This formula resembles that of the trochiscs of myrrh.

R. Myrrh, }
Savine, } of each, one ounce.
Rue, }
Castor, }

Mix. (LUSIT.)

R. Myrrh, half a dram.
Olibanum, } of each, one dram.
Mastic, }
Sarcocolla, } two drams.
Resin, } half an ounce.

Mix. (BORIES)

R. Myrrh, twelve grains.
Saffron, three grains.
Oil of Cloves, one drop.

Mix. (AUGUSTIN)

R. Subcarbonate of Soda, fifteen grains.
Myrrh, } of each, five grains.
Savine, }
Saffron, three grains.
Castor, two grains.
Oil of Amber, one drop.

Mix. (AUGUSTIN)

R. Myrrh, two grains.
Sublimed Sulphur, five grains.
White Sugar, ten grains.

Mix.—To be taken every two hours. (AUGUSTIN)

R. Aqueous Extract of Myrrh, one grain and a half.
Opium,

half a grain.
White Sugar, ten grains.

Mix.—To be taken every two hours. (AUGUSTIN)

R. Aqueous Extract of Myrrh, from two to four grains.

Extract of Digitalis, } of each,
Henbane, } half a grain.
Sugar of Milk, ten grains.

To be taken every three hours. (AUGUSTIN)

These powders are employed externally,

to arrest hæmorrhages, and internally, as emmenagogues, and in chronic affections of the lungs, principally in mucous phthisis.

SPERNIOLA CROLLII. (PALAT.; WIRTEM.)

R. Myrrh, } of each, two drams.
Olibanum, }
Saffron, } half a dram.

Make a very fine powder, and sprinkle it two or three times with distilled water of frogs' spawn; then dry, and add to it,

Camphor, three drams.

Mix. (WIRTEM.)

PALAT. directs twenty or thirty times its weight of the water to be imbibed.

It is astringent, and serves to arrest hæmorrhages.

BOLUSES OF MYRRH. (SAUNDERS)

R. Powdered Myrrh, } of each,
Conserve of Orange, } one scruple.
Subcarbonate of Potass, } five grains.
Syrup, } a sufficient quantity

to make a mass.

R. Spermaceti, two scruples.
Myrrh, one scruple.
Simple Syrup, a sufficient quantity.

Mix.

BALSAMIC PILLS. (FULD.; HAMB.; LIPP.)

R. Compound Extract of Rhubarb, four scruples.
Extract of Myrrh, two scruples.

Make pills of two grains each. (HANN.)

R. Aqueous Extract of Myrrh, }
Fir, } of each,
Spruce } an equal
wort, } part.
Powdered Ground Ivy, }

Mix. (LIPP.)

R. Soap, } of each,
Aqueous Extract of Myrrh, } half
Fir, } an ounce.
Spruce }
Copaiba, a sufficient quantity

to make a pilular mass. (FULD.)

Dose, from ten to twenty grains.

FERRUGINOUS BALSAMIC PILLS. (HAMB.)

R. Mass of Balsamic Pills, three drams.
Levigated Iron Filings, one dram.

Mix.

STOMACHIC PILLS. (SAINTE-MARIE)

R. Myrrh, four drams.
Extract of Lesser Centaury, two drams.
Peruvian Balsam, two scruples.

Mix.—Dose, twelve grains, thrice a day.

BITTER PILLS.

Pilula Myrrhæ amara cum Ammoniaco.
(AUGUSTIN)

R. Myrrh, } of each,
Gum Ammiac, } twodrams.
Extract of Blessed Thistle, }
Wormwood, }
Succinic Acid, one dram.
Venice Turpentine, three drams.
Rhubarb, in powder, a sufficient quantity.

Mix.—Dose, from twelve to twenty-four grains, every three hours, or twice a day; in constipation or hypochondria.

ASTRINGENT PILLS.

Pilula Myrrhæ cum Arnica. (AUGUSTIN)

R. Extract of Myrrh, two drams.
Arnica, one dram.
Benzoic Acid, two scruples.
Copaiba, one scruple.
Extract of Liquorice, a sufficient quantity.

Mix.—Dose, twelve grains, every two or three hours, in chronic gonorrhœa.

CORROBORANT PILLS. (PIERQUIN)

R. Myrrh, four drams.
Galbanum, } of each,
Extract of Buckbean, } two drams.
Catechu, }
Syrup, a sufficient quantity.

Make pills of three grains each.—TISSOT prescribed them in incipient tabes dorsalis, in the dose of twenty-one daily, to be taken at thrice; taking with each dose, three ounces of a decoction of two ounces of cinchona, one ounce of the bark of caper root, two drams of cinnamon, and half an ounce of iron filings, in two pounds and a half of water.

DETERSIVE ELECTUARY. (BORIES;
SPIELMANN)

R. Myrrh, } of each, one dram.
Olibanum, }
Honey, two ounces.

Mix. (BORIES)

R. Myrrh, } of each,
Olibanum, } half an ounce.
Spermaceti, two drams.

Triturate with the yolk of an egg, and add, Liquorice Powder, a sufficient quantity.

Mix. (SPIELMANN)

It is recommended towards the termination of pneumonia, to facilitate expectoration.—Dose, one dram, in a glassful of ordinary drink.

COMPOUND ELECTUARY OF MYRRH.

Theriaca officinalis seu *Pauperum*, *Electuarium pro Pecoribus*, *Theriaca diatesseron*. (AMST.; FULD.; SARD.; SPIELMANN; VAN MONS)

- R. Root of Gentian, }
 ——— Round Birthwort, } of each,
 Bay Berries, } two
 Myrrh, } ounces.
 Despumated Honey, }
 twenty-four ounces.

Mix. (AMST.; SARD.; SPIELMANN; VAN MONS)

- R. Rob of Juniper, } four ounces.
 Myrrh, dissolved in Wine, }
 Powdered Root of Angelica, } of each,
 ——— Long } two
 Birthwort, } ounces.
 ——— Elecampane, }
 Syrup of Orange Peel, } of each,
 ——— Poppies, } eight ounces.

Mix. (FULD.)

It is stomachic, carminative, diaphoretic, emmenagogue, and alexipharmic.—Dose, from a dram to half an ounce.

GINGIVAL LINIMENT.

Linimentum gingivale mundificans. (FULD.)

- R. Aqueous Extract of }
 Myrrh, } of each,
 Alcoholic Hydrochloric Acid, } two drams.
 Honey of Roses, } two ounces.

Mix.

GINGIVAL ELECTUARY.

Electuarium gingivale. (SPIELMANN)

- R. Root of Tormentil, one dram and a half.
 ——— Avens, one dram.
 ——— Florentine Iris, half a dram.
 Herb of Sage, }
 ——— Southernwood, } of each,
 ——— Rue, } one dram.
 Flowers of Columbine, }
 ——— Pomegranate, }
 Petals of Red Roses, }
 Seeds of Scurvy-Grass, } of each, one
 ——— Columbine, } dram and a half.
 Egyptian Mummy, } of each,
 Myrrh, } one dram.
 Mastic, } of each,
 Gum Lac, } two drams.
 Dragon's Blood, one dram and a half.
 Calcined Alum, half a dram.
 Honey of Roses, a sufficient quantity.

Mix.

BALSAM OF MYRRH.

Potassidum Myrrhæ. (VAN MONS)

- R. Myrrh, in powder, eight parts.
 Fused Caustic Potass, one part.

Triturate together, adding a sufficient quantity of water to enable the mixture to be strained: set it then aside, decant, and evaporate it to the consistence of balsam. (VAN MONS)

VAN MONS also prescribes four ounces of soap-boiler's lye and one ounce of myrrh.

It is applied externally to strumous glandular swellings.

OINTMENT OF MYRRH.

Unguentum Myrrhæ. (AUGUSTIN; VAN MONS)

- R. Balsam of Myrrh, one part.
 Simple Cerate, warmed, eight parts.
 Triturate. (VAN MONS)

- R. Yolks of Eggs, two.
 Fresh Butter, three ounces.
 Myrrh, }
 Spermaceti, } of each, two drams.

Melt, strain, and add,
 Peruvian Balsam, half a dram.

Mix. (AUGUSTIN)

It has been recommended to render the cicatrices of variola less perceptible.

MYRRHINE PLASTER OF SULPHUR.

Emplastrum sulphuratum seu diasulphuris Rulandi. (BRUNS.; FULD.; PALAT.; WIRTEM.; NIEMANN; PIDERIT; SPIELMANN)

- R. Sublimed Sulphur, one ounce.
 Olive Oil, four ounces.
 Yellow Wax, five ounces.

Melt slowly, and add
 Powdered Myrrh, ten ounces.

Mix. (GALL.)

- R. Sulphureted Balsam of }
 Turpentine, } of each,
 Yellow Wax, } six ounces.
 Resin, }
 Powdered Myrrh, eighteen ounces.

Melt and incorporate. (PALAT.; WIRTEM.; NIEMANN)

SPIELMANN prescribes six ounces each, of balsam and of resin, two of wax, and nine of myrrh.—PIDERIT—three ounces of balsam, three drams of resin, half an ounce of wax, and four ounces of myrrh.

It is stimulant, and resolvent.

SOLUTION OF MYRRH.

Liquor seu Liquamen Myrrhæ, Oleum Myrrhæ per deliquium, Myrrha Liquida, Tinctura Myrrhæ aquosa. (BRUNS.; DAN.; HISP.; FERR.; FULD.; HASS.; LIPP.; LUSIT.; PALAT.; WIRTEM.; HERBIP.; PIDERIT; SPIELMANN; SWEDIAUR)

Boil an egg till it is hard, cut it in half, remove the yolk and replace it with powdered myrrh; having sewn the halves of the egg together, suspend it, enclosed in a linen bag, in a cellar, over a vessel which may receive the liquid which falls. (BRUNS.; HISP.; PALAT.; WIRTEM.; HERBIP.; SPIELMANN)

R. Myrrh, one part.
Distilled Water, four parts.

Digest in a water-bath, and strain through linen. (HAMB.; OLDEN.; POL.; BORUS.; SAX.; SWEDIAUR)

HANN. prescribes one part of myrrh and two parts of water.

R. Aqueous Extract of Myrrh, two drams.
Oil of Wax, half an ounce.

Triturate till dissolved. (PIDERIT)

R. Myrrh, three drams.
Hydromel, half an ounce.

Dissolve. (LUSIT.)

DAN. directs as much myrrh as possible to be dissolved in hydromel.—FULD.—two drams of myrrh, in half an ounce of hydromel.

R. Aqueous Extract of Myrrh, two drams.
Honey, one dram.
Water, three drams.

Triturate till perfectly dissolved. (FERR.; HASS.; LIPP.)

It is applied, as balsamic and antiseptic, to ulcers.

ALKALINE SOLUTION OF MYRRH.

Solutio seu Essentia Myrrhæ alcalisata, Liquor Myrrhæ alcalisatus. (SWEDIAUR)

R. Myrrh, two ounces.
Boiling Water, eight ounces.
Subcarbonate of Soda, one dram.

Digest in a water-bath for two days, stirring frequently, and strain.

Dose, one ounce, several times a day.

STIMULANT AND VULNERARY LIQUOR.
(SAINTE-MARIE)

R. Quick Lime, two ounces.
Myrrh, one ounce.

Triturate in a marble mortar, adding gradually,

Water, two pounds.

Digest for several days, and decant.

It is applied, in injections, to fistulous ulcers.

TINCTURE OF MYRRH.

Tinctura seu Essentia seu Solutio alcoholica Myrrhæ. (LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; FENN.; FULD.; GENEV.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; PALAT.; POL.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI; COXE; PIDERIT; SWEDIAUR; VAN MONS)

Tinctura Myrrhæ.

R. Myrrh, bruised, four ounces.
Rectified Spirit, three pints.

Macerate for fourteen days, and filter. (LOND.)

R. Myrrh, in powder, three ounces.
Proof Spirit, a pint and a half.
Rectified Spirit, half a pint.

Digest for seven days, and strain. (DUBL.)

R. Myrrh, bruised, three ounces.
Alcohol, twenty ounces.
Water, ten ounces.

Digest for seven days, and filter. (EDINB.; AMER.; COXE)

R. Myrrh, one part.
Alcohol (22 degrees), four parts.
Digest for three days, and strain. (GALL.)

AMST. prescribes one part of myrrh and eight parts of alcohol (0.884).—BRUGNATELLI—one of myrrh and eight of alcohol (0.935).—SWEDIAUR—one of myrrh and six of alcohol (0.935).—BAVAR.—one of myrrh and six of alcohol (0.900).—ANT.; BATAV.; and BELG.—one of myrrh and eight of alcohol (20 degrees)—AUSTR.—one of myrrh and eight of alcohol (0.850).—FULD.; and LUSIT.—one of myrrh and eight of alcohol.—DAN.; MIL. COPEN.; FENN.; HANN.; OLDEN.; POL.; ROSS.; SUEC.; HERBIP.; and VAN MONS—one of myrrh and six of alcohol.—HASS.; SAX.; and PIDERIT—one of myrrh and five of alcohol.

R. Myrrh, three ounces.
Camphor, two drams.
Distilled Water, three ounces.

Triturate together, dry, pulverize, and digest with

Alcohol, two pounds.

Filter at the end of six days. (LIPP.)

It is excitant, emmenagogue, and anthel-
mintic.—Dose, from thirty to fifty drops.—
It is also applied as a stimulant to atonic
ulcers, but, for this purpose, it was more
generally employed by the ancients than by
modern surgeons.

DETERSIVE LINCTUS.

Linctus ad Gingivas, Liquor ad Ulcera Fau-
cium. (MIL. COPEN.; AUGUSTIN; PH.
SYPH.)

R. Tincture of Myrrh, one part.
Honey, four parts.

Mix. (MIL. COPEN.)

PH. SYPH. prescribes one ounce of tinc-
ture, and half an ounce of honey of copper.

R. Herb of Sage, half an ounce.
Boiling Water, a sufficient quantity
to obtain six ounces of decoction. Add to
it when strained

Tincture of Myrrh, two drams.
Honey of Roses, two ounces.

Mix. (AUGUSTIN)

R. Distilled Water of Sage, } of each,
 Scurvy- } two
 grass, } drams.
Tincture of Myrrh, }
 Unripe Oranges, }
RABEL'S Water, one dram and a half.
Honey of Roses, one ounce.

Mix. (AUGUSTIN)

DETERSIVE GARGLE. (FERR.)

R. Extract of Myrrh, half an ounce.
Decoction of Cinchona, eight ounces.
Mix.

PHAGEDENIC LOTION. (ELLIS)

R. Tincture of Myrrh, } of each,
Lime Water, } one ounce.

Mix.—It is recommended by KIRKLAND,
to repress too luxuriant granulations.

DETERSIVE INJECTION.

Injectio detergens. (AUGUSTIN; BRERA)

R. Decoction of Barley, two pounds.
Tincture of Myrrh, one dram.

Mix.—It is useful in chronic coryza, with
discharge from the frontal sinuses. (BRERA)

R. Water, six ounces.
Isinglass, a sufficient quantity
to make a thick jelly. Add

Solution of Myrrh, one dram.

Mix.—It is recommended in ulceration of
the bladder. (AUGUSTIN)

R. Acetate of Lead, one dram.
Water, six ounces.

Dissolve, and add

Solution of Myrrh, two ounces.
Tincture of Opium, one ounce.

Mix.—It is employed in chronic gonorrhœa.
(AUGUSTIN)

ALKALINE TINCTURE OF MYRRH.

Mixtura Myrrhæ alcalisata, Tinctura seu
Essentia seu Solutio Myrrhæ alcalisata.
(BRUNS.; HASS.; SARD.; WIRTEM.;
PIDERIT)

R. Myrrh, half a pound.
Subcarbonate of Potass, eight ounces.
Spring Water, one pound and a half.

Digest for six or eight days, and evapo-
rate in a water-bath to the consistence of
honey: pour upon the residue

Alcohol, twenty ounces.

Digest, and filter. (BRUNS.; WIRTEM.;
PIDERIT)

SAUNDERS prescribes two ounces of
myrrh, half an ounce of solution of sub-car-
bonate, and a sufficient quantity of alcohol
to cover the dried mixture by three or four
fingers' breadth.—HASS.—half a pound of
myrrh, a sufficient quantity of solution of
potass, and twenty ounces of alcohol.

It is a more active stimulant than the
simple tincture.—It was formerly employed
in the dressing of wounds, but rarely, on
account of the pain occasioned by the
alkali.

ELIXIR OF MYRRH.

Elixir Myrrhæ. (WIRTEM.)

R. Tincture of Myrrh, eight ounces.
 Castor, sixteen ounces.
Extract of Savine, one ounce.

Digest, and filter.

It is stimulant, and is recommended par-
ticularly in irregularity of the menses and
diseases of the uterus.—Dose, from forty
to fifty drops.

VINEGAR OF MYRRH.

Acetum Myrrhæ. (HERBIP.)

R. Powdered Myrrh, one ounce.
Vinegar, half a pound.

Digest for several days, in a moderate
temperature, then for an hour in a water-
bath, and strain.

OIL OF MYRRH.

Oleum Myrrhæ. (WIRTEM.)

R. Myrrh, one part.
Washed Sand, one part and a half.

Distil from a glass retort placed in a

sand-bath; separate the oil from the liquor which passes with it, and rectify it.

DISTILLED WATER OF MYRRH. (WIRTEM.; SPIELMANN)

Myrrh, in powder, eight ounces.

Spring Water, six pounds.
Digest for three days, in a warm place, and distil slowly four pounds.

It is recommended in affections of the lungs, of the stomach, and of the uterus.—Dose, one ounce.

GUMMI OLEÆ.—OLIVE GUM.

SYNONIMES:—*Balsamum seu Resina Olea*.—Gomme d'olivier, GALL.

FERR.

This is in yellowish masses, of a slightly acrid taste, and of an odour resembling that of vanilla.

It flows from certain wild olive trees in hot climates.

It is formed, according to PELLETIER, of a resin, a little benzoic acid, and of a peculiar substance, called *Olivile*.

It is considered astringent and detersive.

GUMMI SAGAPENUM.—SAGAPENUM.

SYNONIMES:—*Gummi Serapinum*, *sarapinon*.—Sagapenum, Gomme séraphique, FR.; Sagapengummi, Serapingummi, GERM.; Sugbenus, ARAB.; and DUK.; Sagapeno, PORT.; and SPAN.; Sagapen, POL.; Kundel, SANS.

EDINB.; DUBL.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; GENÈV.; HANN.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; SAX.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and

GMELIN.; SAUNDERS.; SPIELMANN.; ZARDA.

This gum-resin is either in granular masses, or in tears, of a reddish-yellow colour externally, and of a reddish-white internally. It has a disagreeable odour, not unlike that of assafœtida, though less strong, and an acrid taste.

It is obtained, according to WILLENOW, from the *Ferula Persica*, HOPE, a plant of Persia. (*Pentandria Digynia*, LINN.; *Umbelliferæ*, JUSS.; *Fig. Philos. Trans. LXXV. 36. t. 3. 4.*)

It is stimulant, but is seldom employed.

GUMMI SANGUIS DRACONIS.—DRAGON'S BLOOD.

SYNONIMES:—*Draconis Sanguis*, *Resina Sanguis Draconis*.—Sang-Dracón, FR.; Drachenblut, GERM.; Damulakhwain, ARAB.; and DUK.; Drakowa krew, BOHEM.; Dragoblod, DAN.; Sangre de dragon, SPAN.; Heraduky, HIND.; Draakenblood, DUT.; Sanguè di dragone, ITAL.; Jaranang, PALEM.; Khunisyawaschan, PRASMOCCA krew, POL.; Catukamrigarokta, SANS.; Drakblod, SWED.; Kandamurgarittam, TAM.; Catgamurgum nitura, TEL.

AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FULD.; HANN.; OLDEN.; POL.; BORUS.; SAX.; SUEC.; WIRTEM.; HERBIP.;

AINSLIE.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and GMELIN.; PIDERIT.; SAUNDERS.; SPIELMANN.; ZARDA.

It is of a blood-red colour, inodorous, insipid, dry, hard, friable, fusible and inflammable, diffusing a balsamic odour while burning. Several kinds of it are distinguished:

1. *Sanguis Draconis in granis*; in detached transparent grains.

2. *Sanguis Draconis in lacrymis*; in ovoid masses of the size of a filbert strung together.

3 *Sanguis Draconis in placentis*; in flat masses or cakes, of the thickness of an inch, and weighing several ounces.

4. *Sanguis Draconis in tabulis*; in plates six or eight inches long, three or four broad, and more than one inch thick.

This substance is extracted from the fruit of the *Calamus Rotang*, LINN., a small tree of the East Indies (*Hexandria Monogynia*, LINN., *Palma*, JUSS.; *Fig. Rheed. Malab. t. 64*), from the trunk of the *Pterocarpus Draco*, LINN., a tree of South America (*Diadelphia Decandria*, LINN.; *Leguminosæ*, JUSS.), from the *Pterocarpus santalinus*, LINN., a tree of the East Indies, from the *Dracena Draco*, LINN., a tree of the Canaries (*Hexandria Monogynia*, LINN.; *Asparagineæ*, JUSS.; *Fig. Blackw. Herb. 358*), from the *Dalbergia monetaria*, a tree of Surinam (*Diadelphia Decandria*, LINN.; *Leguminosæ* JUSS.), and from various *Crotons*.

It is astringent, but not very energetic.—Dose, from ten grains to half a dram.

ANTI-HÆMOPTYSIC POWDER. (SAINTE-MARIE)

R. Dragon's Blood, two drams.
Subcarbonate of Magnesia, four drams.

Divide into twelve doses; one to be taken in a little water, every two or three hours.

ASTRINGENT POWDER.

Pulvis adstringens seu contra casum. (PALAT.; SARD.; SPIELMANN)

R. Terra Sigillata, } of each,
Dragon's Blood, } half an ounce.
Egyptian Mummy, }

Spermaceti, two drams.
Rhubarb, one dram.

Mix. (SPIELMANN)

PALAT. prescribes two drams each, of the three first ingredients, and one dram each, of the two others.

R. Myrtle Berries, } of each,
Wild Pomegranates, } an equal part.
Armenian Bole,
Mastic,
Olibanum,
Dragon's Blood, }

Mix. (SARD.)

This was formerly recommended to be taken after falls.—Dose, two scruples.

TINCTURE OF DRAGON'S BLOOD.

Tinctura Sanguinis Draconis. (SARD.)

R. Powdered Dragon's Blood, two ounces.
Alcohol, one pound.

Digest for three days in a sand-bath, and filter.—Dose, from a scruple to half a dram.

ASTRINGENT POTION. (PIERQUIN)

R. Plantain Water, } of each,
Rose Water, } three ounces.
Red Coral, } of each,
Dragon's Blood, } half a dram.
Syrup of Red Roses, } of each,
Quince, } six drams.
Plantain Juice, two ounces.

Mix.

GUMMI SARCOCOLLÆ.—SARCOCOLLA.

SYNONIMES:—Sarcocolle, FR.; Sarkokolle, Fischleimgummi, Fleischleimgummi, GERM.; Unzerat, ARAB.; Sarcocolla, SPAN.; Kunjudah, PERS.

AMST.; BRUNS.; HISP.; GALL.; FERR.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; GUIBOURT.; MURRAY and GME-LIN.; SPIELMANN.; ZARDA.

In small irregular, angular, friable grains, of between a straw-yellow colour and that of a dark pomegranate, transparent, semi-transparent, or opaque, without odour, but of an acrid and warm taste.

It flows from all parts, but particularly from the calices, of the *Penæa Sarcocolla*,

LINN., a shrub of Persia and Arabia (*Te-trandria Monogynia*, LINN.; *Acanthaceæ*, JUSS.; *Fig. Enc. Meth. t. 78, f. 2*).

It contains, according to PELLETIER, gum, a gelatinous matter, and a peculiar substance, *Sarcocollina*.

TINCTURE OF SARCOCOLLA.

Tinctura Sarcocollæ. (SARD.)

R. Sarcocolla, two ounces.
Alcohol, one pound.

Filter after three days' digestion in a sand-bath.

GUMMI SENEGALENSE.—GUM SENEGAL.

SYNONYMES:—Gomme du Sénégal, FR.; Senegal gummi, GERM.

BAVAR.; BRUNS.; FORM. HÔP. FR.; FULD.; GALL.; HASS.; LIPP.; OLDEN.; BORUS.; SAX.; WIRTEM.; HERBIP.; BERGIUS.; GUIBOURT.; MURRAY and GMELIN.; SPIELMANN.

This substance perfectly resembles gum arabic.

It flows from the *Mimosa Senegalensis*, LINN., a tree of Senegal (*Polygamia Monœcia*, LINN.; *Leguminosæ*, JUSS.; Fig. Blackw. *Herb.* t. 345).

GUMMI TRAGACANTHA.—GUM TRAGACANTH.

SYNONYMES:—*Tragacantha*, τραγάκανθα.—Gomme Adragant, FR.; Traganth, Tragant, GERM.; BOHEM.; and DAN.; Karsira, Samaghulkatad, ARAB.; Kattira, DUK.; and HIND.; Tragacanto, Alquitira, SPAN.; Guma Dragant, POL.; Alcatira, PORT.; Vadomocottay pisin, TAM.

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

This is either in long, thin, contorted, worm-like pieces, or in straps, rolled and folded upon themselves. It is of a greyish-white colour, opaque, somewhat ductile, inodorous, and of a vapid and mucous taste.

It flows from several species of *Astragalus*, such as the *A. verus*, OLIV., *A. gummiferus*, LAB., and *A. creticus*, LINN., all indigenous in the East.

It is composed, according to GUIBOURT, of a substance, soluble in water, but totally different from gum arabic, and of another which is insoluble.

It is seldom employed except to afford a mucilage to hold in suspension powders in water, and to give consistence to various preparations.

MUCILAGE OF TRAGACANTH.

Mucilago Tragacanthæ. (EDINB.; DUBL.; AMST.; ANT.; AUSTR.; BAVAR.; BELG.; FULD.; LIPP.; LUSIT.; SARD.; SAX.; BRUGNATELLI.; COXE.; SWEDIAUR.; VAN MONS)

Mucilago Astragali Tragacanthæ. (EDINB.)

R. Powdered Tragacanth, two drams.
Boiling Water, eight ounces.

Having macerated for twenty-four hours, triturate till the gum is entirely dissolved, and strain through linen.

Mucilago Gummi Tragacanthæ. (DUBL.)

R. Powdered Tragacanth, two drams.
Water, eight fluid ounces.

Macerate in a covered vessel till the gum is dissolved, and strain through linen.

R. Tragacanth, one part.
Cold Water, eight parts.

Digest for twelve hours, triturate, and strain. (FULD.; LUSIT.)

LIPP. prescribes twelve parts of water.—COXE.—twenty.—ANT.—thirty-six.—BAVAR.; and SAX.—sixty.—SWEDIAUR.; and VAN MONS.—sixty-two.—AUSTR.—two hundred and forty, and SARD.—a sufficient quantity.

R. Tragacanth, one part.
Boiling Water, fourteen parts.

Triturate together. (BATAV.; BELG.)
AMST. prescribes sixteen parts of water.—BRUGNATELLI.—a sufficient quantity.

MUCILAGINOUS POTION. (SPIELMANN.; SWEDIAUR.)

R. Tragacanth, ten grains.
Water, four ounces.
Simple Syrup, one ounce.
Dissolve, and mix. (SPIELMANN.)

- R. Mucilage of Tragacanth, two or three ounces.
Boiling Water, one pound.
Syrup of Marshmallows, one ounce.

Dissolve, and mix. (SWEDIAUR)

Dose, three or four ounces, several times a day, in cough, dysury, nephritis, and gonorrhœa.

ANODYNE OPHTHALMIC LIQUOR. (PALAT.)

- R. Tragacanth, two drams.
Mucilage of Flea-bane, three drams.
Rose Water, } of each, a
Plantain Water, } sufficient quantity
to make a liquor of an agreeable consistence.

OILY POTION. (RATIER)

- R. Oil of Almonds, half an ounce.
Tragacanth, ten grains.
Water, two ounces.
Simple Syrup, one ounce.

Mix.

- R. Oil of Almonds, } of each, one
Simple Syrup, } ounce and a half.
Tragacanth, fifteen grains.
Orange-flower Water, four drams.
Lettuce Water, four ounces.

Mix.

ELECTUARY OF TRAGACANTH.

Electuarium Diatragacanthæ. (SPIELMANN)

- R. Water of Peony, two ounces.
Mint, }
Balm, } of each,
Syrup of Red Poppies, } one ounce.
White Sugar, }
Powdered Tragacanth, two drams.

Mix.—To appease the colics of children.

DEMULCENT LOHOCH.

Lohoch leniens. (GALL.; RATIER; SAINTE-MARIE; SPIELMANN)

- R. Tragacanth, six grains.
Emulsion of Sweet Almonds, four ounces.
Simple Syrup, one ounce.

Triturate together. (RATIER)

- R. Tragacanth, half a dram.
Sugar, one ounce.
Infusion of Red Poppies, six ounces.
Orange-flower Water, one ounce.

Mix. (SAINTE-MARIE)

- R. Powdered Tragacanth, sixteen grains.
Oil of Almonds, half an ounce.
Sugar, one ounce.
Water, three ounces.
Orange-flower Water, two drams.

Mix. (GALL.)

- R. Tragacanth, sixteen grains.
Water, half an ounce.

Make a mucilage, and add to it

- Oil of Almonds, } of each,
Syrup of Marshmallows, } one ounce.
Pectoral Pisan, three ounces and a half.

Mix. (SPIELMANN)

COMPOUND POWDER OF TRAGACANTH.

Pulvis Tragacanthæ compositus, Species diatragacanthæ frigide, Pulvis gummosus. (LOND.; AMST.; ANT.; BATAV.; BAVAR.; BRUNS.; FULD.; GENEV.; LIPP.; OLDEN.; LUSIT.; PALAT.; SARD.; WIRTEM.; PIDERIT; SPIELMANN; VAN MONS)

- R. Tragacanth, } of each,
Gum Arabic, } one ounce and
Starch, } a half.
White Sugar, three ounces.

Mix. (LOND.; AMST.; GENEV.; LUSIT.)

- R. Tragacanth, half an ounce.
Starch, } of each, two drams.
Sugar, }

Mix. (GENEV.)

- R. Tragacanth, } of each, an equal part.
Gum Arabic, }
White Sugar, }

Mix. (BATAV.; BELG.)

- R. Tragacanth, } of each,
Root of Marshmallows, } an
White Sugar, } equal part.

Mix. (PIDERIT)

- R. Gum Arabic, two ounces.
Tragacanth, } of each,
Liquorice Root, } half an ounce.
White Sugar, two ounces.

Mix. (OLDEN.)

- R. Tragacanth, one ounce.
Gum Arabic, half an ounce.
Starch, two drams.
Liquorice, one dram.
White Sugar, one ounce and a half.

Mix. (ANT.)

SARD. prescribes one ounce of tragacanth, two drams of starch, two of liquorice, five of gum arabic, and the addition to each dram of the powder of poppy seeds, and the same of cucumber seeds.—LIPP.—two ounces of tragacanth, one ounce of gum arabic, and half an ounce each, of liquorice and of starch.

- R. Sugar Candy, two drams.
Root of Marshmallows, } of each,
Tragacanth, } one dram.
Starch, }

- Oil of Anise, six drops.
 Mix. (FULD.)
- R. Liquorice one half part.
 Starch, one part.
 Sweet Almonds blanched, } of each,
 Gum Arabic, } three parts.
 Tragacanth, four parts and a half.
 Sugar Candy, seven parts and a half.
- Mix. (VAN MONS)
- R. Powdered Tragacanth, } of each,
 Gum Arabic, } two parts.
 Sugar, }
 Liquorice, one part.
- Mix. (SAUNDERS)
- R. Tragacanth, two ounces.
 Gum Arabic, ten drams.
 Starch, half an ounce.
 Liquorice, two drams.
- Mix. (BRUNS.; WIRTEM.; SPIELMANN)
- R. Tragacanth, two ounces.
 Gum Arabic, ten drams.
 Starch, half an ounce.
 Liquorice, two drams.
 Four major Cold Seeds, of each,
 two drams.
 Poppy Seeds, three drams.
- Mix. (PALAT.)
 Dose, two scruples.
- PECTORAL BOLUS. (SAUNDERS)
- R. Compound Powder of Tragacanth, one scruple.
 Spermaceti, half a dram.
 Simple Syrup, a sufficient quantity.
- Mix.
- ASTRINGENT PECTORAL BOLUS. (SAUNDERS)
- R. Compound Powder of Tragacanth, } of each,
 Electuary of Scordium, } half a dram.

Syrup of Poppies, a sufficient quantity.
 Mix.

MUCILAGINOUS PASTILLES.

Tabellæ diatragacanthæ. (SARD.)

- R. Compound Powder of Tragacanth, one ounce and a half.
 White Sugar, one pound.
 Mucilage of Tragacanth, a sufficient quantity.

RED PECTORAL TROCHISCS. (PALAT.; WIRTEM.)

- R. Compound Powder of Tragacanth, } of each,
 Armenian Bole, } one ounce.
 White Sugar, one pound.
 Mucilage of Tragacanth, a sufficient quantity.

Make trochiscs.

ANONYMOUS POWDER. (WIRTEM.)

- R. Seeds of White Poppy, two drams.
 Purslain, } of each, one dram
 Quince, } and a half.
 Mallow, }
 Cotton, }
 Chick Peas, half a dram.
 Cinnamon, }
 Tragacanth, } of each, two drams.
 Starch, }
 Juice of Hypocist, }
 Armenian Bole, } of each,
 Calcined Hartshorn, } half a dram.
 Ivory Shavings, }
 Sugar Candy, six ounces.

Make a powder.—Dose, from one to two drams, in inveterate catarrhs.

END OF THE FIRST VOLUME.

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