

OCYMUM.—BASIL.

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

1. *Ocymum basilicum*, LINN.—Sweet Basil.

SYNONIMES:—Basilic commun, Grand Basilic, FR.; Basilienkraut, Königskraut, Herrnkraut, GERM.; Basilic, DAN.; Subzekebinge, DUK.; Albahaca, SPAN.; Kali tulsī, HIND.; Balsemkruid, DUT.; Basilico, ITAL.; Debanschab, PERS.; Bazylico, POL.; Alsavaca, PORT.; Manjirika, SANS.; Basilika, SWED.; Tirnut patchie verie, TAM.; Vepudipatsa vittilu, TEL.

AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; HISP.; GALL.; FULD.; HANN.; LIPP.; OLDEN.; POL.; BORUS.; WIRTEM.; HERBIP.; BERGIUS.; GUIBOURT.; MURRAY and GMELIN.; PIDERIT.; SPIELMANN.

A plant originally from the East. (*Didymia Gymnospermia*, LINN.; *Labiata*, JUSS.; Fig. Zorn, Ic. pl. t. 26)

The herb, flowers, and seeds are employed.

The herb (*Herba Basilici majoris seu citrati seu Ocymi vulgarioris seu medii seu magni*) consists of a slightly hairy stem, and of petiolated, oval, lanceolated leaves, somewhat ciliated on the borders, and

sparsely notched. It has a very agreeable odour and an aromatic taste.

The flowers are white, and are disposed in whirls.

The seeds are small, oblong, and black. They have an aromatic odour, but no taste.

It is stimulant.—Dose, two drams and a half, infused in two pounds of boiling water.

2. *Ocymum minimum*, LINN.

SYNONIME:—Basilic à petites feuilles, FR. BAVAR.

A plant of the East Indies, cultivated in Europe. (Fig. Schk. Bot. Hand. t. 166)

The herb (*Herba Basilici minimi*) is employed. It consists of a branching stem, and of numerous acute, obtuse, or round leaves, rather thick, green or reddish, of a strong and agreeable odour, and of a very aromatic taste.

ESSENTIAL OIL OF SWEET BASIL.

R. Flowering Herb of Sweet Basil,

Water, five parts.
seven parts.

Distil, and separate the oil.

The distilled water is now frequently employed, in the dose of one or two ounces.

CESYPUS.—YELK OF WOOL.

SYNONIMES:—Suint, FR.; Hisopo humedo, SPAN.

An oleagino-extractive substance of a fetid odour, with which the wool of sheep is impregnated.

It contains, according to VAUQUELIN, a fat animal matter and carbonate of lime,

with a little acetate and hydro-chlorate of potass.

It enters into several plasters.—HISP. directs it to be purified by boiling it in water in sufficient quantity to obtain a thick liquid, which is to be strained through a silk-sieve, and then evaporated to the consistence of soft extract.

OLEUM CAJEPUTI.—CAJEPUT OIL.

SYNONIMES:—*Oleum Cajuputi* seu *Cajaputi* seu *Cajeput*.—Huile de Cajeput, FR.; Cajaputöl, GERM.; Cajaput olie, DAN.; kyaputi ka tail, DUK.; Cajaputa, MAH.; Kayu putih, MAL.; Kayaputi tayilam, TAM.

LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; AINSLIE

BERGIUS; COXE; GUIBOURT; MURRAY
and GMELIN; PIDERIT; SPIELMANN.

A transparent fluid oil, of a green colour,
lighter than water, and of a strong, aromatic,
and rather agreeable odour.

It is obtained by distilling the leaves of
the *Melaleuca Cajuputi*, MAT., a tree of the
East Indies. (*Polyadelphia Polyandria*,
LINN.; *Myrtaceæ*, JUSS.; *Fig.* Rumph.
Amb. II. p. 72. t. 6. and tab. 17. f. 1)

It has hitherto been attributed, and erroneously
according to AINSLIE, to the *Melaleuca leucodendron*,
LINN. It appears, however, that several species of
this genus, if not all, yield a similar oil.

It is excitant, nervine and diuretic.—Dose,
from two to twelve drops, on sugar.

OLEOSACCHARUM OF CAJEPUT. (SWEDIAUR)

R. White Sugar, one dram.
Cajeput Oil, two drops.
Triturate together.

STIMULANT DROPS.

Liquor Olei animalis et Cajeputi. (AUGUSTIN)

R. DIPPEL'S Animal Oil, one dram.
Cajeput Oil, half a dram.
Mix.—Dose, five, ten, or fifteen drops.

STIMULANT EMULSION.

Emulsio Cajeputi. (SWEDIAUR)

R. Thick Mucilage of Gum Arabic, three drams.
Cajeput Oil, one dram.
Water, four ounces.
Mix.

OLEUM OLIVARUM.—OLIVE OIL.

SYNONIMES:—Huile d'olive, FR.; Baumöl,
Oliveneel, GERM.; Bomolie, DAN.;
Aceyte comun, SPAN.; Olyfolij, DUT.;
Azeite, PORT.; Bomolja, SWED.

LOND.; DUBL.; EDINB.; AMER.; AMST.;
ANT.; AUSTR.; BATAV.; BAVAR.;
BELG.; BRUNS.; DAN.; HISP.; GALL.;
FERR.; FENN.; FORM. HÔP. FR.; FULD.;
GENEV.; HAMB.; HANN.; HASS.;
LIPP.; ÖLDEN.; LUSIT.; POL.; BORUS;
ROSS.; SAX.; SUEC.; WURCEB.; BER-
GIUS; COXE; MURRAY and GMELIN;
PARIS; SAUNDERS; SPIELMANN.

A fluid, fixed oil, nearly transparent, of
a yellowish or greenish colour, inodorous,
and of a bland taste. It is the lightest of
all fixed oils, and is the most esteemed for
alimentary uses. Its green colour is owing
to the presence of chlorophylle, its yellow,
to a vegetable principle, the presence of
which is manifested after exposure to the
air; its odour is derived from another pecu-
liar principle.

It is obtained by expressing, boiling, or
fermenting the fruit of the olive tree, *Olea
Europæa*, LINN., a tree of the south of Eu-
rope. (*Diandria Monogynia*, LINN.; *Jas-
mineæ*, JUSS.; *Fig.* Zorn, *lc. pl.* t. 319) It
appears to be originally from Asia Minor.

OILY POTION. (RATIER)

R. Gum potion, four ounces.
Olive Oil, half an ounce.
Mix.—For one dose.

OILY EMULSION.

Emulsio oleosa. (WURCEB.)

R. Olive Oil, one ounce.
Yolk of Egg, one.
Water, seven ounces.
Mix.

OILY LAVEMENT.

Clysmma oleosum. (BRERA; SWEDIAUR)

R. Emollient Decoction, nine ounces.
Olive Oil, three ounces.
Honey, one ounce.
Mix.—Half an ounce of sulphate or of
muriate of soda may be added. (SWEDIAUR)
R. Decoction of Barley, } of each,
Olive Oil, } four ounces.
Mix. (BRERA)

BRICK OIL.

*Oleum Laterum seu de Lateribus seu Philo-
sophorum seu Olivarum empyreumaticum.*
(BRUNS.; PALAT.; SARD.; WIRTEM.)

R. Bruised Brick, any quantity.

Impregnate it with olive oil, and distil from a glass retort, with the gradually raised heat of a sand-bath; separate the oil from the liquor which passes over with it,

and rectify it by re-distilling it with ashes.

It is stimulant, and was formerly reputed resolvent and antiseptic. It used also to be applied as a detergent to ulcers.

OLEUM PALMÆ.—PALM OIL.

SYNONIMES:—*Palma Sebaceum*.—Huile de Palme, Fr.

EDINB.; AMST.; BRUNS.; GALL.; SUEC.; BERGIUS.; MURRAY and GMELIN.; SPIELMANN.

A concrete oil, having the consistence of butter, of a golden-yellow colour, an agreeable violaceous odour, and very bland taste.

It is derived from the *Cocos butyracea*, LÄNN.; a tree of South America and of Africa (Pis. *Ind. res nat. et med.* p. 215), or, according to JACQUIN, of the *Elais Guineensis* (Fig. Jacq. *Stirp. Amer.* 360. t. 257)

It is not distinguished by any peculiar property from the other fixed oils, and it is now nearly disused.

OLIBANUM.

SYNONIMES:—Frankincense; *Thus*, *Thus verum*, *Gummi Olibani*; *κέπος*.—Oliban, Encens, Fr.; Weihrauch, GERM.; Luban, ARAB.; and MAL.; Kadidlo, BOHEM.; Virok, DAN.; Avul cundur, DUK.; Inciense, SPAN.; Kundir zuchir, HIND.; Wierook, DUT.; Incenso, ITAL.; and PORT.; Kadzidlo biale, POL.; Wirach, SWED.; Labuniya, SYR.; Paringhi Sambrani, TAM.

LOND.; DUBL.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HANN.; 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.

A gum-resin in oblong, irregular tears of the size of a pea and larger, isolated, agglomerated, or geminated, bearing in the latter cases the names of *Male Olibanum* and *Female Olibanum*, from their fancied resemblance to nipples and to testicles.

Olibanum is dry, fragile, semi-transparent, of a pale-yellow colour with an outer stratum of farinuous powder. It softens in the mouth, and adheres to the teeth. Its odour is balsamic, particularly when burnt, and its taste is rather warm and bitter. The finest pieces are called *Olibanum electum*, and the impure, *Olibanum in sortis*.

We are not certain what plant furnishes this substance. It does not come from the *Juniperus lycia*, *J. phænicea*, or *J. thurifera*,

as many authors have supposed. COLBROOK says that it is the *Libanus thurifera*, a tree of the mountains of India. (*Decandria Monogynia*, LINN., *Terebenthaceae*, JUSS.). Others think it is a species of *Amyris*.

It is stimulant, and is esteemed diuretic and vulnerary.—Dose, half a dram.

It is more frequently employed in fumigations than administered internally.

COMPOUND POWDER OF OLIBANUM.
(NIEMANN)

R. Olibanum, } of each, ten grains.
Orange Peel, }
Oak Bark, } five grains.

Pulverize and mix.—HEBERDEN extolled this in leucorrhœa.—Dose, one powder, every three hours, in concert with decoction of oak bark as drink and also in enemata.

The oak bark in this case is evidently the principal agent.

FUMIGATORY SPECIES.

Species Fumales pro Suffimento. (FULD.)

R. Olibanum, } of each, four ounces.
Juniper, }
Amber, } of each, one ounce.
Cascarilla, }
Flowers of Tansey, } two ounces.

Mix.—Recommended in asthenic rheumatism.

BALSAMIC PILLS. (AUGUSTIN; SAUNDERS)

R. Extract of Cascarilla, } two drams.

Extract of Liquorice,	} of each, five drams. four scruples. one scruple.
Olibanum,	
Saffron,	
Peruvian Balsam,	

Make pills of two grains each. (AUGUSTIN)

R. Olibanum,	} of each, two drams.
Gum Arabic,	
Extract of Liquorice,	
Peruvian Balsam, a sufficient quantity.	

Make four pills. (SAUNDERS)

Dose, from four to eight, twice a day; in asthenic hæmoptysis.—They are recommended by REIL.

STIMULANT DRAUGHT.

Haustus ex Olibano. (SAUNDERS; SWEDIAUR)

R. Olibanum,	} of each, half a dram. ten drams. two drams.
White Sugar,	
Water,	
Tincture of Orange Peel,	

Mix. (SAUNDERS)

R. Olibanum,	} half a dram. a sufficient quantity. one ounce and a half.
Honey,	
Simple Alexiteric Water,	
Spirituos Water of	

Jamaica Pepper,	} of each, two drams.
Syrup of Tolu,	

Mix. (SWEDIAUR)

To be taken twice a day in leucorrhœa.

ONISCUS ASELLUS, LINN.—WOOD-LOUSE, SLATER, MILLEPEDE.

SYNONIMES:—Cloporte, FR.; Kellerwurm, Kelleresel, GERM.; Shuk ketrold, DAN.; Galminha Eucarrucha, SPAN.; Pissebedden, DUT.; Centogambo, Porcelletto, ITAL.; Stonog, POL.; Centopea, PORT.; Græsugga, SWED.

AMST.; BATAV.; BAVAR.; BELG.; BRUNS.; HISP.; GALL.; FERR.; FULD.; GENEV.; HANN.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; WIRTEM.; AINS-LIE.; GUIBOURT.; SPIELMANN.

A crustaceous insect very common every where. (*Isopodes Cloportides*, LAT.; *Fig. Paaz. Faun. Germ. fasc. IX. 21*) It is smooth, and ash coloured, with yellowish and black spots.

Wood-lice are reputed deobstruent and diuretic. They were formerly much esteemed in dropsy and asthma.—Dose, of the expressed juice, half an ounce. FULD. requires those in *muris non sub trabibus collecti*.

CONSERVE OF WOOD-LICE.

Conserva Millepedum. (FULD.; LIPP.; WIRTEM.; NIEMANN)

R. Living Wood-lice,	one pound.
White Sugar,	two pounds and a half.

Triturate together. (LIPP.; WIRTEM.; NIEMANN)

FULD. prescribes one part of wood-lice and two parts of sugar.

Dose, one or two drams.

BROTH OF WOOD-LICE.

Jus Millepedum. (AUGUSTIN)

R. Wood-lice,	one dram.
Aromatic Liquor,	half an ounce.
Broth,	nine ounces.

It is diuretic.

INFUSION OF WOOD-LICE.

Infusum Millepedum. (SARD.)

R. Living Wood-lice, bruised,	six drams.
Water,	three ounces.
Alcohol,	one ounce.

Macerate for an hour, and express strongly.

SYRUP OF WOOD-LICE. (CADET DE GASSICOURT)

R. Sugar,	twelve ounces.
Root of Asparagus,	} of each, two drams.
Liquorice,	
Raisins,	
Leaves of Pellitory of the Wall,	

Make a syrup. Then

R. Juice of Borage,	} of each, two ounces.
Bugloss,	
Bruised Wood-lice,	one ounce and a half.

Mix, filter, and add to four ounces of the liquor,

Sugar,	half a pound.
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Dissolve in a water-bath, and mix the syrup with the preceding.

It is recommended in hooping cough and in catarrhal cough.

DIURETIC WINE. (CADET DE GASSICOURT; SAINTE-MARIE; SPIELMANN)

R. Living Wood-lice, bruised, one ounce.
Acidulous White Wine, six ounces.

Triturate gradually together, and express.
(CADET DE GASSICOURT; SAINTE-MARIE)

SPIELMANN prescribes one ounce of wood-lice, one of sugar, and four ounces of wine.

DIURETIC LIQUOR. (PIERQUIN)

R. Wood-lice, from thirty to forty.
Alkekenge Berries,

from twenty to thirty.
Juniper Berries, six.

Bruise then in a stone mortar, and add gradually,

White Wine, a sufficient quantity.
Express.

TINCTURE OF WOOD-LICE. (BRUNS.)

R. Dried Wood-lice, half an ounce.
Rectified Spirit, six ounces.
Digest, express, and filter.

ONOPORDON ACANTHIUM, LINN.—COTTON THISTLE.

SYNONIMES:—Chardon aux Anes, FR.;
Breite Wegdistel, GERM.; Witte Weg-
distel, DUT.

Its juice is esteemed useful in cancer of the face. The lint which is applied should be dipped in it.

BRUNS.; GALL.; HASS.; ROSS.; WIRTEM.;
MURRAY and GMELIN.; SPIELMANN.;
PIDERIT.

EXTRACT OF COTTON THISTLE.

Extractum Cardui tomentosi. (FULD.;
LIPP.)

A common plant of Europe. (*Syngenesia Polygamia Æqualis*, LINN.; *Synantherea*, CASS. *Fig. Zorn, Ic. pl. t. 359*)

R. Herb of Cotton Thistle, any quantity.

The herb (*Herba Cardui tomentosi seu Acanthii vulgaris seu Spina alba*) is employed. It consists of sessile, oval, long, dentated spinous leaves. It is destitute of smell, but has a bitter taste.

Bruise in a wooden or stone mortar, enclose the pulp in a linen bag, express the juice, and evaporate it, when deperated, in a water-bath to the consistence of an extract.

Dose, from ten to twenty grains.

ONOSMA ECHIOIDES, LINN.—YELLOW ALKANET.

SYNONIMES:—Orcanette jaune, FR.; Nat-
terkopffartige Lotwurzél, GERM.; Wo-
lowy gazyk Cerweny, BOHEM.

tandria Monogymia, LINN.; *Borraginea*,
JUSS.; *Fig. Jacq. Austr. t. 295*)

GALL.; BRUGNATELLI.; ZARDA.

The root is employed; the bark of which contains a yellow colouring principle.

It is slightly astringent.

A plant of the south of Europe. (*Pen-*

OPHIOGLOSSUM VULGATUM, LINN.—ADDERSTONGUE.

SYNONIMES:—Ophioglosse, Langue de
Serpent, FR.; Schlangenzunge, GERM.;
Slangetunge, DAN.; Lingua de Sierpe,
SPAN.; Natertong, DUT.; Lingua di
serpente, ITAL.; Lingua de serpente,
PORT.; Læke tunga, SWED.

GALL.; WIRTEM.; SPIELMANN.

This plant is found all over Europe.
(*Cryptogamia*, LINN.; *Filices*, JUSS.; *Fig.*
Ed. Fl. Dan. t. 147)

VOL. II.

2 N

The herb (*Herba Ophioglossi* seu *Belio-glossi* seu *Lingua serpentaria*) is employed. It consists of amplexicaul, oval, obtuse, very entire, glabrous fronds, without nervures.

It is without odour, and has a mucilaginous and sweetish taste.

It was esteemed vulnerary.

OPIORRHIZA MUNGOS, LINN.—INDIAN SNAKE-ROOT.

SYNONIMES:—Mungos, FR.; Indische Schlangenwurz, GERM.; Mendi, Wal eka-Weriya, CYNG.; Slangerod, DAN.; Raiz de Serpiente, SPAN.; Ostindische schlangenwortel, DUT.; Radice di serpe, ITAL.; Kajo ular, JAV.; Colubrina, PORT.; Ormfot, SWED.

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

A plant of the Indies. (*Pentandria Mo-*

nogygia, LINN.; *Gentianeæ*, JUSS.; *Fig. Plenk. Pl. med. t. 90*)

The root (*Radix Mungos* seu *Serpentum*) is employed. It is simple, contorted, and channelled; the bark is wrinkled and porous, inodorous, and very bitter.

It used formerly to be esteemed a specific against the bites of venomous animals, and consequently as alexipharmic.

OPIUM.

SYNONIMES:—*Opium thebaicum*, *Meconium*.—Opium, FR.; and POL.; Mohnsaft, GERM.; Uñud, ARAB.; and MAL.; Hapium, BALL.; Abim, CYNG.; Afim, DUK.; Opio, SPAN.; ITAL.; and PORT.; Uñim, HIND.; Turk Heulzop, DUT.; Apium, JAV.; Caruppa, MAL.; Schirik haskasch, PERS.; Apaynum, SANS.; Apini, TAM.; and TEL.; Madjun, TURK.

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

Opium is the concrete juice that has flowed from incisions made in the capsule of the poppy before it is ripe. There are two kinds of it known in commerce, the Turkish and the Indian. They are easily distinguished from each other; the former is in cakes of a flat form, homogeneous, dry, compact, and heavy; opaque, of a deep brown colour, and, when broken, shewing a bright fracture; it has a nauseous, bitter, and pungent taste, and a very unpleasant odour peculiar to itself. The latter is much less consistent, it is always ductile, and sometimes is met with as soft as pitch; its co-

lour is darker, its taste more nauseous but less bitter, and its odour is slightly empyreumatic. This is not so much esteemed as the former, and, of course, it is considerably cheaper.

Although many able chemists have made the composition of opium the subject of their researches for some years past, it appears that this is not yet perfectly known. It is very probable that there are several new principles in it which remain to be discovered. The most important of them that we are already acquainted with, are *Narcotine*, and an alkali discovered by SERTURNER, *Morphine*, which is found combined with an acid, equally peculiar to opium, called *Meconic Acid*.

The *modus operandi* of opium has long been a source of dispute; by some it is represented to be a powerful stimulant, by others, a direct sedative that never stimulates at all. The fact is, that in a certain dose, variable according to idiosyncrasy, it acts as an excitant; in a stronger dose, as a sedative; and, in a still stronger, as a poison. But whether it acts by producing a simple revulsion, or by a direct action on the nervous system, remains yet a problem. The Persians, Turks, Syrians, Chinese, and Malays, who take great quantities of it at once, are affected in the same manner as we find the drinkers of ardent spirits are.

Opium, being in many instances adulterated with foreign substances, several pharmacopœias, LOND.; DUBL.; GALL.; AMST.;

and SWEDIAUR direct it to be purified.—LOND.; AMST.; and GALL. direct it to be softened with boiling water, the mass to be strained through linen, and then evaporated to the required consistence.—DUBL.; and SWEDIAUR direct it to be dissolved in proof spirit, the solution to be filtered, the spirit to be distilled off, and the residue evaporated to a proper consistence. The Crude Opium, *Opium crudum*, having undergone this operation, is then called Purified Opium, *Opium depuratum seu colatum*.

I. Preparations which contain only a part of the constituent principles of Opium, with or without the menstrum employed to extract it.

A.

Extraction by Distillation.

WATER OF OPIUM.

Aqua Opii. (SAX.; NIEMANN; VAN MONS)

R. Crude Opium, one part.
Water, two parts.

Distil one half of the liquid. (SAX.; NIEMANN)

VAN MONS directs six parts to be distilled from a mixture of one part of opium and twelve parts of water.—VAN MONS also directs opium to be dissolved in six parts of water, and distilled to dryness.

It is not yet known what the chemical composition of this distilled water is, but it is conjectured to contain what is called the virous principle of opium, and is said by some authors to possess powerful narcotic virtues; but it is probably not of much value.

Dose, from two to six drams, with simple syrup.

B.

Extraction by Acetic Acid.

VINEGAR OF OPIUM.

Acetum Opii. (DUBL.)

R. Turkish Opium, four ounces.
Distilled Vinegar, one pound.

Triturate the opium to a pulp with part of the vinegar; then add the remainder, and macerate in a stopped bottle for seven days, frequently shaking. Pour off the clear liquor and filter it.

ACETOSE TINCTURE OF OPIUM.

Acetum Opii. (VAN MONS)

R. Opium, sliced, one part.
Rectified Spirit, six parts.

Macerate for twenty-four hours, in a water-bath, then add,

White Wine Vinegar, six parts.

Put it in a cool place and let it macerate for several days; then express and filter.

BLACK DROP.

Essence noire Anglaise. (AMER.; COXE; FEE; NIEMANN; PARIS; VAN MONS)

R. Opium, half a pound.
White Wine Vinegar, three pounds.
Nutmegs, bruised, one ounce and a half.
Saffron, half an ounce.

Boil till it has acquired a proper consistence, and add,

White Sugar, four ounces.
Yeast of Beer, one ounce.

Having digested it for seven weeks, expose it to the air till it becomes of the consistence of syrup; then strain and put it into bottles with the addition of a little sugar. (AMER.; COXE; FEE; NIEMANN)

VAN MONS directs six parts of opium to be mixed with three of white sugar, one part and a half of nutmegs, one of saffron, and forty-eight parts of verjuice; one part of yeast of beer to be then added, and the whole put into a shallow open vessel and left exposed to the action of a dry air till the supernatant liquor shall have acquired the consistence of a syrup: it is then to be decanted and preserved.

This preparation probably owes its activity to the acetate of morphine which is formed during the operation.

We find a preparation somewhat similar to this in the formulary of the republic of Genoa (1791) under the name of *Ethiops Vegetal*. It is directed there to take any quantity of opium, *crucibulo vitreato immittatur: sub agitatione adspargatur pluries vinum album; refrigefactum et pulueratum comburatur, simulque denuo humectatur vino; ad dimidium pondus reductum, addatur acetum acerrimum, dein siccatur massa*. In this preparation morphine would be separated from the opium, and would unite with the acetic acid.

ACETOSE EXTRACT OF OPIUM. (PIERQUIN)

R. Opium, sliced, one ounce.
Distilled Vinegar, one pound.

Digest for forty-eight hours, in a sand-bath, shaking it from time to time; then decant, filter, and evaporate to a pilular consistence.

LALOUETTE'S LAUDANUM. (PIERQUIN)

- R. Acetose Extract of Opium, two drams.
 Spanish Wine, ten ounces.
 Proof Spirit, two ounces.
 One dram of the solution, contains four grains of the extract.

SYLVIUS' MIXTURE. (PIERQUIN)

- R. Opium, two grains.
 Distilled Vinegar, half an ounce.
 Plantain Water, six ounces.
 Syrup of Poppies, one ounce.
 Mix.—It is recommended in hæmoptysis with spasm.—Dose, one spoonful.

ANTI-ODONTALGIC GARGLE. (NIEMANN)

- R. Root of Sneezewort, two drams.
 Muriate of Ammonia, one dram.
 Opium, two grains.
 Distilled Water of Sage, } of each,
 Vinegar, } two ounces.
 Digest for an hour in a water-bath, and strain.—It is proposed by MAYR.

SEDATIVE APPLICATION. (BORIES)

- R. Leaves of Henbane, } of each,
 Petals of Red Poppies, } one ounce.
 Opium, dissolved in a sufficient quantity of Vinegar, six grains.
 Bruise together to form a paste.

It is recommended to be applied to the forehead in cases of violent pains of the head.

C.

Extraction by Wine.

VINOUS TINCTURE OF OPIUM.

Tinctura Opii vinosa seu simplex seu thebaica genuina. (AMST.; DAN.; HANN.; HASS.; LIPP.; SUEC.; PIDERIT; SWEDIAUR; VAN MONS)

- R. Opium, one part.
 Spanish Wine, twelve parts.

Digest for three days, and filter. (DAN.)

VAN MONS prescribes Madeira wine and one month's infusion.—HASS.; PIDERIT; and SWEDIAUR—one of opium, eight of Spanish wine, and one or two days' digestion at a moderate heat.—SUEC.—one of opium, six of white wine, and eight days' maceration without heat.

- R. Opium, one part.
 Malaga Wine, eight parts.
 Alcohol (0.907), two parts.

Digest for two days, and strain. (AMST.; BELG.; HANN.)

LIPP. prescribes two ounces of opium,

four of proof spirit, and one pound of white wine.

OPIACEOUS WINE. (FORM. HÔP. FR.)

- R. Tincture of Opium, ten grains.
 Red Wine, one ounce.
 Mix.

SEDATIVE FOMENTATION. (PIERQUIN)

- R. Opium, one ounce.
 Red or White Wine, one pound and a half.

Boil down to one half.—It is a useful application in gout, rheumatism, and colic. It is to be applied by means of flannel.

VINOUS EXTRACT OF OPIUM.

Extractum Opii vinosum, Laudanum opiatum. (GALL.; HASS.; PIDERIT; VAN MONS)

- R. Opium, any quantity.
 White Wine, a sufficient quantity.

Digest in a water-bath, express strongly, set aside, decant, and evaporate in a water-bath. (GALL.)

HASS.; and PIDERIT fix the quantity of wine to twelve times the weight of the opium.

- R. Opium, finely sliced, one part.
 Madeira Wine, six parts.

Macerate without heat for several days, and express; repeat the maceration with an equal quantity of wine; then mix the strained liquors, and evaporate slowly, constantly stirring. (VAN MONS)

This contains more narcotine and resin than the aqueous extract, and it also contains all the elements of the wine except the alcohol, which renders it still worse; for the quantity of these matters varying according to the kind of wine, and being always unknown, it is impossible to ascertain the exact quantity of opium which enters into a given dose of the extract.

VINOUS SYRUP OF OPIUM. (POL.; BORUS.; SWEDIAUR; VAN MONS)

- R. Opium, one part.
 Madeira Wine, twelve parts.

Infuse for two days, in a moderate heat; then express strongly, and add

White Sugar, twenty parts.
 Dissolve in a very gentle heat, and mix the syrup with

Simple Syrup, one hundred and sixty parts.

Preserve. (VAN MONS)

R. Extract of Opium, twenty-five grains.
Malaga Wine, one ounce.
Dissolve, and add
Syrup of Liquorice,
twenty-four ounces.

Preserve. (BORUS.)

POL. prescribes syrup of marshmallows instead of that of liquorice.—SWEDIAUR—simple syrup.

AROMATIC VINOUS TINCTURE OF OPIUM.

Vinum Opii. (LOND.; EDINB.; AMER.; BRUGNATELLI; COXE)

R. Extract of Opium, one ounce.
Cinnamon, bruised, } of each,
Cloves, bruised, } one dram.
Proof Spirit, six fluid ounces.
Water, ten fluid ounces.

Macerate for eight days, and filter.
(LOND.; COXE)

R. Opium, one ounce.
Cinnamon, bruised, } of each,
Cloves, bruised, } one dram.
Weaker Alcohol, six ounces.
Water, ten ounces.

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

AMER. prescribes two ounces of opium.—BRUNS.—two ounces of opium, one dram each, of cinnamon and of cloves, and one pound of wine.

R. Extract of Opium, in powder,
Cinnamon Water, two ounces.
Alcohol, ten ounces.
White Wine, two ounces.
four ounces.

Digest for six days, occasionally shaking the vessel, and filter. (BRUGNATELLI)

CROCATED VINOUS TINCTURE OF OPIUM.

Laudanum liquidum seu crocatum seu compositum. (FULD.; ROSS.; SAX.)

R. Opium, in powder, one part.
Saffron, one half part.
Spanish Wine, nine parts.

Macerate for three days, in a moderate heat, and strain.—One dram contains about ten grains of opium.

ESSENCE OF POPPY.

Vinum Opii crocatum, Elixir Papaveris.
(FENN.; SUEC.; VAN MONS)

R. Opium, } of each, five drams.
Saffron, }
Extract of Liquorice,
one ounce and a half.
Madeira Wine, thirty ounces.

Digest without heat; decant, and filter.
(VAN MONS)

FENN. prescribes five scruples of opium, the same of saffron, half an ounce of extract of liquorice, and ten ounces of Spanish wine—SUEC.—five scruples each, of extract of liquorice, of saffron, and of opium, and ten ounces of wine.

SYDENHAM'S LAUDANUM.

Tinctura laudanum seu anodyna, Laudanum liquidum Sydenhami seu compositum, Vinum crocato-opiatum seu Opii compositum, Tinctura Opii crocata seu vinosa Opii Sydenhami, Vinum Opii aromaticum seu pargoricum. (AMST.; BATAV.; DAN.; HISP.; GALL.; FERR.; HANN.; LIPP.; POL.; SARD.; CADET DE GASSICOURT; SWEDIAUR; VAN MONS)

R. Opium, one ounce.
Saffron, half an ounce.
Cinnamon, one dram.
Malaga Wine, nine ounces.

Digest for three days, and strain. (LIPP.)

One dram contains about ten grains of opium.

R. Opium, two ounces.
Saffron, one ounce.
Cinnamon, two drams.
Alcohol, three ounces.
Spanish Wine, one pound.

Digest for several days, express, and filter. (FERR.)

R. Opium, sliced, two ounces.
Saffron, one ounce.
Cinnamon, } of each, one dram.
Cloves, }
Malaga Wine, one pound.

Digest in a moderate heat for fifteen days, occasionally shaking the bottle; then express strongly, and filter. (AMST.; BATAV.; BAVAR.; BRUNS.; HISP.; GALL.; PALAT.; SAX.; WIRTEM.; CADET DE GASSICOURT; SPIELMANN; SWEDIAUR)

DAN. prescribes but half an ounce of saffron.—HANN.; POL.; and BORUS. prescribe six drams of it; in other respects their formula is the same.

SARD. prescribes half an ounce of opium, two drams of saffron, half a dram each, of cinnamon and of cloves, and four ounces and a half of Madeira wine.

This last formula contains a greater proportion of opium than the others, twenty drops or fifteen grains of which contain one grain of opium.

R. Cinnamon, } of each, one part.
Cloves, }
Saffron, eight parts.
Madeira Wine,
one hundred and ninety-two parts.

Infuse for twenty-four hours in a warm water-bath; then infuse, without heat, in the expressed liquor

Opium, sixteen parts.

Decant at the end of ten or fifteen days, without having shaken the vessel during the infusion, and filter. (VAN MONS)

R. Saffron, half an ounce.
Cinnamon, } of each, one dram.
Cloves, }
Spanish Wine, eight ounces.

Digest for three days, with occasional agitation; then dissolve in the strained liquor

Depurated Opium, one ounce.

And filter after twenty-four hours' digestion. Pour upon the residue

Spanish Wine, four ounces.

Digest, express strongly, and filter; then mix this with the preceding. (ANT.; BELG.)

Every one knows the celebrity which this preparation has obtained. It is curious to observe what the inventor thought of it. These are the words of SYDENHAM: *Hanc nostram preparationem laudani officinarum solido anteferebam virtutibus quidem non obcenso, sed formam saltem commodiorem et majorem dosis certitudinem eidem antepono.* All the inventors of new preparations have not had the modesty of this English physician [*modeste bonne foi du medecin Anglais*].

ANODYNE CATAPLASM. (RATIER)

R. Linseed Meal, } of each, one pound.
Barley Meal, }
Decoction of Poppy Heads, a sufficient quantity.

Boil to the required consistence, and add to the cataplasm,

SYDENHAM'S Laudanum, one or two drams.

Mix.—It is recommended in phlegmasia accompanied by acute pain.

ANTI-CANCEROUS CATAPLASM.

Cataplasma ad Cancercum. (FULD.; VAN MONS)

R. Pulp of Carrots, twenty-four parts.
Green Fecula of Hemlock, four parts.
SYDENHAM'S Laudanum, one part.
Beat together in a mortar. (VAN MONS)

R. Rob of Carrot, one pound.
Powdered Hemlock, two ounces.
SYDENHAM'S Laudanum, three drams.

Mix well. (FULD.)

It is recommended to correct the fetor and allay the pain of ulcerated cancer.

SEDATIVE LAVEMENT. (PH. SYPH.)

R. SYDENHAM'S Laudanum, from forty to sixty drops.
Olive or Linseed Oil, four ounces.
Mix by agitation.

OPIATE LINIMENT. (DISP. CHA. PARIS; RATIER)

R. SYDENHAM'S Laudanum, one part.
Olive Oil, eight parts.
Mix.

DISP. CHA. PARIS prescribes one part of laudanum and sixteen parts of oil of almonds.

OPIATE CERATE. (RATIER)

R. SYDENHAM'S Laudanum, one ounce.
GALEN'S Cerate, one pound.
Mix.

OPIATE OINTMENT. (SAINTE-MARIE)

R. SYDENHAM'S Laudanum, from two to four drams.
GALEN'S Cerate, two ounces.
Wheat Flour, a sufficient quantity
to thicken the mixture.

This ointment is applied on fine linen to burns.—A very concentrated aqueous infusion of opium would be better to be employed than the laudanum.

NARCOTIC LINIMENT. (RATIER)

R. SYDENHAM'S Laudanum, one part.
Balsamum Tranquillum, thirty-two parts.

Mix well.

R. SYDENHAM'S Laudanum, one part.
Balsamum Tranquillum, four parts.
FIORAVENTI'S Balsam, eight parts.

Mix.

ANTI-HEMORRHOIDAL LINIMENT. (PIERQUIN; SAINTE-MARIE)

R. SYDENHAM'S Laudanum, four drams.
Unguentum Populeum, two ounces.
Yolks of Eggs, two.
Triturate together. (SAINTE-MARIE)

R. Unguentum Populeum, half an ounce.
Opium, dissolved in White Wine, fifteen grains.
Prepared Oyster Shells, half a dram.
Yolk of Egg, one.
Oil of Lily, a sufficient quantity.

Mix well. (PIERQUIN)

It is recommended to be applied to painful piles.

ANTI-OPHTHALMIC OINTMENT. (PIERQUIN; SAINTE-MARIE)

- R. SYDENHAM'S Laudanum, one dram.
 White of Eggs, two.
 Rose Water, } of each,
 Plaintain Water, } a sufficient quantity.
 Shake well together.

CAMPHORATED OPIATE LINIMENT. (RATIER)

- R. SYDENHAM'S Laudanum, half an ounce.
 Camphor, two drams.
 Oil of Almonds, two ounces.
 Mix.

ANODYNE LINIMENT. (FULD.; CADET DE GASSICOURT; PIERQUIN)

- R. SYDENHAM'S Laudanum, } of each,
 Camphor, } one part.
 Ointment of Marshmallows, sixteen parts.
 Triturate together.

ANTI-SPASMODIC LINIMENT. (HAMB.)

- R. SYDENHAM'S Laudanum, } of each,
 Tincture of Cantharides, } two drams.
 Camphor, one dram.
 Oil of Henbane, one ounce.
 Mix.

SAPONACEOUS OPIATE LINIMENT. (FULD.; RATIER)

- R. SYDENHAM'S Laudanum, one or two drams.
 White Soap, half an ounce.
 Olive Oil, four ounces.
 Mix. (RATIER)

- R. Balsam of Soap, two ounces.
 SYDENHAM'S Laudanum, one dram.
 Mix. (FULD.)

It is recommended as being at the same time sedative and resolvent.

SEDATIVE PECTORAL PILLS. (PIERQUIN)

- R. SYDENHAM'S Laudanum, twenty drops.
 Gum Ammoniac, one scruple.
 Make four pills.—Dose, two or more.

NARCOTIC PILLS. (PIERQUIN)

- R. Sugar Candy, one ounce.
 Cinnamon, two drams.
 Pepper, } of each,
 SYDENHAM'S Laudanum, } one dram.
 Coriander, two scruples.
 Saffron, half a dram.
 Musk, half a scruple.
 Syrup of Poppies, a sufficient quantity.

Mix.—Dose, from half a scruple to half a dram.—They are reputed sedative and sudorific.

SEDATIVE POTION. (BORIES; PIERQUIN; RATIER)

- R. SYDENHAM'S Laudanum, twelve drops.
 Water, one ounce.
 Syrup, two drams.
 Mix.—For one dose. (RATIER)

- R. Gum Julep, four ounces.
 SYDENHAM'S Laudanum, half a dram.
 Mix. (RATIER)

- R. Syrup of Lemon, one ounce.
 SYDENHAM'S Laudanum, fifteen or twenty drops.
 Aqueous Tincture of Ipecacuanha, one or two spoonfuls.
 Orange-flower Water, two ounces.
 Mix. (BORIES; PIERQUIN)

SEDATIVE LAVEMENT. (PH. SYPH.)

- R. Starch, one dram and a half.
 Add gradually, with constant trituration,
 Boiling Water, half a pound.
 Boil slightly, and add to the strained liquor
 SYDENHAM'S Laudanum, one dram.
 Mix.

SEDATIVE INJECTION. (RATIER)

- R. SYDENHAM'S Laudanum, one dram.
 Decoction of Linseed, one pound.
 Mix.

ANODYNE MIXTURE. (GENEV.; BORIES; PIERQUIN; SAINTE-MARIE)

- R. SYDENHAM'S Laudanum, two scruples.
 Cinnamon Water, six ounces.
 Mix. (PIERQUIN; SAINTE-MARIE)
 R. SYDENHAM'S Laudanum, one dram.
 Hordeated Cinnamon Water, six ounces.
 Syrup of Poppies, one ounce.

Mix. (BORIES)
 BARTHEZ prescribed it in spasmodic cardiacalgia.—Dose, one spoonful before meals.

- R. SYDENHAM'S Laudanum, eighteen drops.
 Aperient Powder, three grains.
 Spring Water, one ounce.
 Syrup of Lemon, one dram.
 Mix. (GENEV.)

OPIATE MIXTURE. (SAUNDERS)

- R. SYDENHAM'S Laudanum, half a dram.

Peppermint Water, six ounces.
Simple Syrup, one ounce.
Mix.—To be taken by spoonfuls.

PAREGORIC POTION. (SAUNDERS)

R. SYDENHAM'S Laudanum, twelve drops.
Water of Red Poppies, one ounce.
Syrup of Poppies, one ounce and a half.
Mix.—To be taken at two or three times.

ASTRINGENT TONIC POTION.

Hustus tonicus adstringens. (BRERA)

R. Calumba, two drams.
Boiling Water, a sufficient quantity
to obtain eight ounces of infusion. Add to
the strained liquor

SYDENHAM'S Laudanum, half a dram.
Sulphuric Æther, twenty drops.

Mix.—To be taken gradually; in dyspepsia.

R. Cascarella, } of each, two drams.
Calumba, }
Boiling Water, a sufficient quantity
to obtain seven ounces of strained infusion.
Add to this

SYDENHAM'S Laudanum, } of each,
Sulphuric Æther, } twenty
drops.

Mix.—To be taken gradually; in chronic
diarrhoea.

ANTI-HEMORRHAGIC POTION. (SAINTE-MARIE)

R. SYDENHAM'S Laudanum, fifteen drops.
Tincture of Cinnamon, four drams.
Syrup of Comfrey, two ounces.
Water, four ounces.

Mix.—It is recommended in uterine hæ-
morrhage arising from debility.—Dose, a
spoonful every quarter of an hour, every
hour, or every two hours, according to the
case.

HYPAROTIC POTION. (PIERQUIN)

R. SYDENHAM'S Laudanum, five drops.
Syrup of Water Lily, } of each,
Lime-flower Water, } two ounces.
Orange-flower Water, }

Mix.—To be taken at twice.

SEDATIVE POTION.

Aqua aromatica cum Opio. (AUGUSTIN;
PIERQUIN)

R. SYDENHAM'S Laudanum, twelve drops.
Syrup of Poppies, one ounce.

Lettuce Water, one ounce and a half.
Orange-flower Water, half an ounce.
Mix.—To be taken at twice. (PIERQUIN)

R. Cinnamon Water, one ounce.
Balm Water, two ounces.
Tincture of Castor, twenty drops.
SYDENHAM'S Laudanum, ten drops.
Syrup of Opium, half an ounce.

Mix.—To be taken by spoonfuls. (AUGUSTIN)

CARMINATIVE POTION. (SAINTE-MARIE)

R. SYDENHAM'S Laudanum, ten drops.
Cinnamon Water, one ounce.
Almond Emulsion, six ounces.

Mix.—It is recommended by DE HAËN in
flatulent colic.—Dose, a spoonful every
quarter of an hour.

SEDATIVE LOHOCH. (RATIER)

R. SYDENHAM'S Laudanum, from fifteen to thirty drops.
Orange-flower Water, two drams.
Simple Lohoch, five ounces.

Mix.—To be taken in divided doses, or in
one dose.

COUGH LINCTUS. (SAUNDERS)

R. SYDENHAM'S Laudanum, half a dram.
Oil of Almonds, one ounce.
Yolk of Egg, two drams.
Triturate together, in a glass mortar, and
add

Syrup of Marshmallows, three ounces.

Mix.—To be taken by spoonfuls.

PECTORAL POTION.

Mixtura sedativo-narcotica pectoralis.
(BRERA)

R. Almond Emulsion, six ounces.
SYDENHAM'S Laudanum, fifteen drops.
Syrup of Poppies, } of each,
Marshmallows, } one ounce.

Mix.—To be taken gradually, in whooping
cough.

NARCOTIC EMULSION. (PIERQUIN)

R. Four Major Cold Seeds, one ounce.
Bruise them, and add gradually
Spring Water, six ounces.

Add to the emulsion
Syrup of Poppies, from four to six drams.
SYDENHAM'S Laudanum, from ten to twelve drops.

Mix.—To be taken in the evening.

ANTI-PERIODIC POTION. (AUGUSTIN ;
PIERQUIN)

- R. SYDENHAM'S Laudanum, } of each,
Sulphuric Æther, } twelve
Orange-flower Water, } of each,
Lime-flower Water, } half an ounce.

Mix.—We are told that this potion will prevent the coming on of a paroxysm in intermittent fever. (PIERQUIN)

- R. SYDENHAM'S Laudanum, fifteen drops.
Tincture of Ipecacuanha, forty drops.
Solution of Acetate of Ammonia, half an ounce.
Rose Water, one ounce.
White Sugar, two drams.

Mix.—Dose, a tea spoonful.—WHYTT extolled it in periodical pains of the head, occasioned by disordered digestion, or the suppression of some hæmorrhage.

ANTI-LETHARGIC MIXTURE. (CADET DE
GASSICOURT ; PIERQUIN)

- R. SYDENHAM'S Laudanum, half dram.
Sulphuric Æther, six drams.
Peppermint Water, six ounces.

Mix.—A tea spoonful to be taken every quarter of an hour.

Under the name of *Mixtura opiato-atheræa*, AUGUSTIN gives the following preparation ; it is recommended by VAN GESSNER in strangulated hernia :

- R. SYDENHAM'S Laudanum, twenty drops.
HOFFMANN'S Liquor, one dram.
Mint Water, four ounces.

Mix.—Dose, a spoonful every five or six minutes till the spasms go off.

SEDATIVE MIXTURE. (VAN MONS)

- R. SYDENHAM'S Laudanum, half a dram.
Sulphuric Æther, two drams.
Peppermint Water, six ounces.
Compound Bryony Water, two ounces.
Syrup of Poppies, one ounce.

Mix.—Dose, from half a spoonful to one spoonful, every hour.

SEDATIVE POTION. (RATIER)

- R. SYDENHAM'S Laudanum, } of each,
Sulphuric Æther, } fifteen
Orange-flower Water, three ounces.
Infusion of Lime Flowers, five ounces.
Syrup of Maidenhair, two ounces.

Mix.—To be taken by spoonfuls.

ANTI-DYSENTERIC POTION.

Mixtura opiato-anti-dysenterica. (AUGUSTIN)

- R. Peppermint Water. three ounces.

- Sulphuric Æther, sixteen drops.
SYDENHAM'S Laudanum, thirty drops.
Oil of Chamomile, six drops.
White Sugar, two drams.
Gum Arabic, one dram.
Extract of Cascarella, one scruple.
Catechu, six grains.
Powdered Cinnamon, half a dram.

Mix.—Dose, one spoonful, every hour.—It is extolled by BUCKING.

D.

Extraction by Alcohol.

ALCOHOLIC TINCTURE OF OPIUM.

Tinctura Opii seu sedativa seu Opii simplex seu thebaica seu Opii spirituosa, Laudanum liquidum, Alcohol cum Opio. (LOND. ; EDINB. ; DUBL. ; AMER. ; ANT. ; BRUNS. ; DAN. ; MIL. COPEN. ; GALL. ; FERR. ; FORM. HÔP. FR. ; FULD. ; GENEV. ; LUSIT. ; CAST. BORUS. ; BORUS. ; COXE ; SWEDIAUR ; VAN MONS)

Tinctura Opii.

- R. Hard Opium, in powder, two ounces and a half.
Proof Spirit, two pints.
Macerate for fourteen days, and strain. (LOND.)

- R. Purified Hard Opium, in powder, ten drams.
Proof Spirit, one pint.
Digest for seven days, and strain. (DUBL.)

Tinctura Opii sive thebaica, vulgo Laudanum liquidum. (EDINB.)

- R. Opium, two ounces.
Weaker Alcohol, two pounds.
Macerate for seven days, and filter.

- R. Aqueous Extract of Opium, one part.
Alcohol (22 degrees), twelve parts.
Dissolve in a well-stopped bottle, and strain. (GALL.)

FORM. HÔP. FR. prescribes one of opium, and eleven of alcohol.—DAN. ; and MIL. COPEN.—one of opium, and forty-eight of alcohol.—BRUNS. ; and VAN MONS—one of opium, and eight of alcohol.—AMER. ; BRUGNATELLI ; COXE ; and SWEDIAUR—the same as EDINB.

- R. Purified Opium, one dram.
Alcohol, one pound.
Water, two pounds.

Dissolve, and filter. (LUSIT.)

CAST. BORUS. prescribes half an ounce of opium, and three ounces each, of alcohol and of water.—FERR.—ten drams of hard extract of opium, ten ounces of alcohol, and six of water.

R. Purified Opium, one ounce.
Alcohol (15 degrees), eight ounces.

Triturate in a stone mortar, and digest for twenty-four hours, occasionally shaking the vessel; then decant the clear liquor, and pour four ounces of alcohol (15 degrees) upon the residue; after two days' digestion, strain. Then mix and filter the two liquors. (ANT.)

ALCOHOLIC EXTRACT OF OPIUM. (ANT.; BATAV.; BELG.; FERR.; FORM. HÔP. FR.; LUSIT.)

R. Opium, any quantity.
Alcohol (25 degrees), a sufficient quantity

to dissolve it. Filter the liquor, and precipitate it by pouring into it a sufficient quantity of distilled water; then filter again, and evaporate over a slow fire to the consistence of extract. (ANT.)

R. Opium, one pound.
Alcohol, a sufficient quantity
to dissolve it. Digest it over a slow fire, in a close vessel, frequently stirring; then filter, and distil the tincture till it assumes the consistence of extract. (LUSIT.)

R. Opium, two ounces.
Alcohol, four ounces.

Digest for two days in a moderate heat; then express and filter: triturate the residue with four ounces of water, and express. Filter the liquor, mix, and evaporate to the consistence of extract. (BATAV.)

R. Opium, sliced, one part.
Water, two parts.

Infuse for twelve hours in a covered vessel, occasionally stirring, and express strongly; infuse the residue in one part of water, and then in one part of alcohol (12 degrees): set aside, strain, and evaporate the two mixed liquors to the consistence of an extract. (FERR.; FORM. HÔP. FR.)

This extract is seldom prescribed now; it contains more narcotine and more resin than that prepared with cold water

CHRÉSTIEN'S ANTI-SPASMODIC TINCTURE. (BORIÉS; PIERQUIN)

R. Opium, forty-eight grains.
Alcohol (20 degrees), four ounces.
Macerate for three or four days.

It is recommended in amenorrhœa, dysmenorrhœa, spasmodic strangury, hysteria, nervous colic, rheumatism, cardialgia, and

intermittent fevers. As an embrocation, in the quantity of an ounce at each application, twice or thrice a day.

It is sometimes used unstrained and sometimes strained.

ROUSSEAU'S LAUDANUM.

Laudanum opiatum Rousseau, Solutio Opii alcoholisata; Vin opiacé préparé par la fermentation. (ANT.; GALL.; CADET DE GASSICOURT; VAN MONS)

R. Honey, twelve ounces.
Warm Water, three pounds.

Dissolve the honey, and put the liquor in a warm place; when it begins to ferment, add to it

Opium, four ounces,
previously dissolved in
Water, twelve ounces.

Leave the mixture to ferment for one month in a temperature of 24 degrees R.; then, having strained and filtered the liquor, evaporate it till only ten ounces remain: then strain again, add four ounces and a half of alcohol (20 degrees), and preserve. (GALL.; CADET DE GASSICOURT)

R. Extract of Opium, one part.
Spirit from Hydromel, eight parts.

Mix, and filter after several days' repose. (VAN MONS)

ROUSSEAU'S laudanum is thicker than SYDENHAM'S. Twenty drops or twenty-two grains contain three grains of opium. The same remark may be applied to this preparation as will be found applied to the extracts of opium prepared after the methods of DEYEUX and of LANGELOT, excepting, however, the formula by VAN MONS, which is merely a simple tincture of opium. But his formula is even objectionable on account of the indeterminate and variable strength of the spirit which he prescribes. It deserves, therefore, to be rejected, as well also as the preparation which it is intended to supersede.

SEDATIVE CATAPLASM. (SWEDIAUR)

R. Emollient Cataplasm, a sufficient quantity.
Tincture of Opium, one or two ounces.
Mix well.

SEDATIVE INJECTION. (SWEDIAUR)

R. Tincture of Opium, fifty drops.
Distilled Water, four ounces.

Mix.—It is recommended in certain cases of chronic gonorrhœa,

SEDATIVE SOLUTION. (SWEDIAUR)

- R. Aqueous Extract of Opium, one dram.
 Distilled Water, four drams.
 Alcohol, half a dram.

Mix with trituration.—SWEDIAUR erroneously compares this preparation to the English black drop, which contains, as has been seen, the acetate of morphine.

ANODYNE LAVEMENT. (ELLIS; SAUNDERS; SWEDIAUR)

- R. Tincture of Opium, forty drops.
 Infusion of Linseed, six ounces.

Mix.—Two ounces of olive oil may be added. (SAUNDERS)

ELLIS prescribes one dram of tincture, and six ounces of infusion of linseed.

- R. Starch, one dram and a half.
 Boiling Water, six ounces.
 Tincture of Opium, one dram.

Mix. (SWEDIAUR)

OPIATE GARGLE. (FORM. HÔP. FR.; AUGUSTIN)

- R. Tincture of Opium, one part.
 Decoction of Marshmallows, two hundred parts.

Mix. (FORM. HÔP. FR.)

AUGUSTIN prescribes one dram of tincture, and ten ounces of water.

VOGEL has extolled the efficacy of this gargle in laryngitis.

ANTI-SPASMODIC LAVEMENT. (SWEDIAUR)

- R. Tincture of Opium, five or ten drops.
 Infusion of Valerian, three ounces.

Mix.—For children.

ALCOHOLIC SYRUP OF OPIUM. (SVEC.)

- R. Tincture of Opium, sixteen drops.
 Simple Syrup, one ounce.

Mix.

OPIATE GARGLE. (FORM. HÔP. FR.)

- R. Tincture of Opium, one part.
 Syrup of Honey, twenty parts.

Mix.

ANODYNE COLLYRIUM. (GALL.)

- R. ROUSSEAU'S Laudanum, six drops.
 Gum Arabic, half an ounce.
 Rose Water, two ounces.

Mix.

OPIATE LINIMENT. (FORM. HÔP. FR.)

- R. Tincture of Opium, four parts.
 Olive Oil, thirty parts.

Mix.

EXCITANT LINIMENT. (ELLIS)

- R. Rectified Oil of Amber, two drams.
 Olive Oil, half an ounce.
 Tincture of Opium, two drams.
 Proof Spirit, two ounces.

Mix.—To be rubbed between the shoulders in hooping cough.

SEDATIVE OINTMENT.

Unguentum emolliens et sedans. (BRERA.)

- R. Spermaceti Ointment, two ounces.
 Tincture of Opium, one dram.

Mix.—To be applied morning and evening, to hæmorrhoidal tumours.

SEDATIVE FOMENTATION. (NIEMANN)

- R. Tincture of Opium, one part.
 Rectified Oil of Amber, two parts.

Mix.—It has been found useful in tic dolooureux.

SEDATIVE POTION. (BRERA; ELLIS)

- R. Tincture of Opium, from fifteen to twenty-five drops.
 Syrup of Poppies, two drams.
 Spirit of Cinnamon, one dram.
 Water, one ounce and a half.

Mix. (ELLIS)

- R. HOFFMANN'S Liquor, three drams.
 Tincture of Opium, eighty drops.
 Cinnamon Water, six ounces

Mix.—Dose, a spoonful every hour. (ELLIS)

- R. Sulphuric Æther, two drams.
 Sugar, of each,
 Gum Arabic, } one dram and a half.
 Tincture of Opium, sixty drops.
 Cinnamon Water, two ounces.

Mix.—Dose, a tea-spoonful. (ELLIS)

- R. Infusion of Roses, six ounces.
 Tincture of Opium, twenty drops.
 Syrup of Orange Peel, one ounce.

Mix.—To be taken at four times, one dose every three hours; in passive hæmoptysis with cough. (BRERA)

ABSORBENT POTION. (ELLIS)

- R. Prepared Chalk, three drams.
 Sugar, of each,
 Gum Arabic, } one dram and a half.
 Tincture of Opium, sixty drops.
 ————— Kino, two drams.
 Mint Water, six ounces.

Mix.—Dose, a spoonful every two hours, in diarrhœa.

ASTRINGENT POTION. (BRERA)

- R. Simarouba Bark, half an ounce.
 Water, a sufficient quantity

to obtain eight ounces of decoction. Add when strained

Almond Emulsion, two ounces.
Tincture of Opium, twenty drops.

Mix.—To be taken at small doses, in atonic diarrhœa.

R. Simarouba Bark, half an ounce.
Water, a sufficient quantity,
to obtain eight ounces of decoction. Add to the strained liquor

Tincture of Opium, one scruple.
Alcohol, one ounce.
Cinnamon Water, half an ounce.

Mix.—To be taken gradually, in cases where it is supposed that atony is accompanied by torpidity.

R. Hemp Seed, one ounce.
Water, a sufficient quantity,

to obtain a pound of strained liquor. Add Extract of Leopards-bane, one dram.
Catechu, one scruple.

Syrup of Orange Peel, } of each
Marshmallows, } one ounce.

Mix.—To be taken gradually, in hæmaturia and in other involuntary discharges.

R. Simarouba Bark, half an ounce.
Quassia Wood, two drams.
Water, a sufficient quantity,

to obtain eight ounces of strained liquor, after half an hour's boiling. Add

Extract of Gentian, one dram.
Tincture of Opium, half a dram.

Mix.—Dose, four spoonfuls, every two hours; in atonic diarrhœa and dysentery.

AROMATIC ALCOHOLIC TINCTURE OF OPIUM.

Tinctura Opii simplex seu sedativa seu hypnotica seu thebaica, Alcohol Opii dilutum. (BATAV.; FENN.; FULD.; GENEV.; POL.; BORUS.; SAX.; SUEC.; HERBIP.; SWEDIAUR)

R. Opium, sliced, one part.
Cinnamon Water, } of each,
Alcohol, } three parts.
Strain when dissolved. (POL.; BORUS.; SAX.)

Each dram of this tincture contains about ten grains of opium.

FENN.; and GENEV. prescribe one part of opium, and five parts each of cinnamon water and of alcohol.—BAVAR.—one of opium, two of cinnamon water, and four of alcohol.—SUEC.—one of opium, four of cinnamon water, and six of alcohol.

SWEDIAUR gives two formulæ;—one dram of opium, ten ounces of alcohol, and five of cinnamon water;—two ounces of opium, ten of cinnamon water, and six of alcohol. The former contains one grain of opium in half

an ounce of tincture; and the latter, about four grains in half a dram.

R. Purified Opium, half a dram.
Concentrated Alcohol, ten ounces.
Chamomile Water, twenty ounces.

Digest, and filter. (HERBIP.)

R. Opium, one part.
Chamomile Water, six parts.
Vinous Cinnamon Water, two parts.

Digest for three days, and filter.

OPIATE MIXTURE. (SAUNDERS)

R. Crude Opium, one grain.
Cinnamon Water, one ounce.
Vinous Cinnamon Water, two ounces.

Mix.

ANODYNE ESSENCE.

Essentia anodyna officinalis. (PALAT.; WIRTEM.; SPIELMANN.; VAN MONS)

R. Aqueous Extract of Opium, one ounce.
Vinous Cinnamon Water, nine ounces.

Digest, and filter.—Dose, five, ten, fifteen, or twenty drops.—One scruple contains two grains of opium.

ECCARD'S TINCTURE.

Tinctura Opii Eccardi. (HAMB.; HANN.; OLDEN.; CADET DE GASSICOURT.; NIEMANN.; VAN MONS)

R. Opium, two ounces.
Cloves, one dram.
Cinnamon Water, eight ounces.
Proof Spirit, four ounces.

Digest six days in a warm place; then express and filter.

One dram contains ten grains of opium.

AROMATIC SEDATIVE MIXTURE. (SWEDIAUR)

R. Peppermint Water, five ounces.
Spirit of Nutmeg, one ounce.
Aromatic Electuary, two drams.
Aromatic Tincture of Opium,

from one to two drams.

White Sugar, three drams.

Mix.—In cardialgia.—Dose, three spoonfuls every half hour or hour.

SEDATIVE DRAUGHT. (SWEDIAUR)

R. Aromatic Tincture of Opium, twenty drops.

Water of *Mentha Crispa*, one ounce.

Orange-flower Water, two drams.

Mix.—To be taken at bed time.

ANTI-CATHARTIC MIXTURE. (VAN MONS)

R. Gum Arabic, three drams.
Syrup of Poppies,

one ounce and a half.

Chamomile Water, six ounces.
Cinnamon Water, one ounce.
Aromatic Tincture of Opium, one scruple.

Mix.—Dose, a spoonful every quarter of an hour.

COMPOUND ALCOHOLIC TINCTURE OF OPIUM.

Tinctura vinosa Opii anti-colica. (HISP.)
R. Opium, two ounces.
Root of Zedoary, one ounce.
—— Carline Thistle, } of each, half
—— Galanga, } an ounce.
—— Sweet Flag, }
Dried Orange Peel, }
—— Lemon Peel, } of each,
Seeds of Anise, } two drams.
—— Caraway, }
Flowers of Chamomile, }
Mace, one dram.
Cloves, }
Bay Berries, } of each, half a dram.
Juniper, }
Alcohol, three pounds.

Macerate for eight days, and filter.—
Dose, two scruples.

LUDWIG'S ANODYNE ESSENCE.

Essentia anodyna Ludovici. (WIRTEM.)

R. Aqueous Extract of Opium, one ounce.
Apoplectic Liquor, eight ounces.
Mix.—Dose, from seven to fifteen drops.
—one dram contains six grains and a half of opium.

CROCATED ALCOHOLIC TINCTURE OF OPIUM.

Tinctura alcoholica Opii. (HISP.)

R. Opium, two ounces.
Saffron, half an ounce.
Cinnamon, two drams.
Alcohol, } of each, twelve ounces.
Water, }

Digest for eight days, and filter.

This very much resembles SYDENHAM'S laudanum.—One scruple contains two grains of opium.

CHRISTIEN'S ANTI-SPASMODIC TINCTURE. (BORIS)

R. Crude Opium, one dram.
Camphor, four drams.
Proof Spirit, one pound.

Macerate for three or four days, and filter.

This is extolled as an external application in rheumatic affections, intermittent fevers complicated with rheumatism, retention of urine, amenorrhœa, &c.—In the latter case, it is to be rubbed upon the fore and inner part of the thighs.

CAMPHORATED SEDATIVE LINIMENT. (SWEDIAUR)

R. Aromatic Tincture of Opium, one or two drams.
Camphor, one dram.
Liniment of Soap, one ounce and a half.

Mix.—It is recommended in frictions and fomentations, in colic.

ANODYNE LINIMENT. (AUGUSTIN; SAUNDERS)

R. Liniment of Soap, two ounces.
Tincture of Opium, half an ounce.

Mix. (SAUNDERS)

AUGUSTIN prescribes an equal part of each.

It is useful in the same cases as the preceding. LIND says that he has several times cured intermittent fevers by the application of this liniment.

CAMPHORATED OPIATE LINIMENT. (FORM. HÔP. FR.)

R. Tincture of Opium, two parts.
Camphor, one part.
Olive Oil, fifteen parts.

Mix.

DUMAS' ANTI-SPASMODIC TINCTURE. (PIERQUIN)

R. Opium, forty grains.
Camphor, } of each, half a dram.
Amber, }
Alcohol, six ounces.

Mix.—To be rubbed upon the spinal column, the thighs, and legs.

AMMONIACAL AND CAMPHORATED ALCOHOLIC TINCTURE OF OPIUM.

Tinctura Opii ammoniacalis seu volatilis anodyna, Spiritus ammoniacatus. (LUSIT.; AUGUSTIN; VAN MONS)

R. Camphor, saturated with alcohol, one part.
Opium, in powder, two parts.
Spirit of Ammonia, twenty-four parts.

Macerate for several days; and filter. (VAN MONS)

LUSIT. prescribes one dram of opium, two scruples of camphor, four ounces of aromatic spirit of ammonia, and one pound of alcohol.

R. Proof Spirit, one ounce.
Spirit of Ammonia, half an ounce.
Opium, two scruples.
Camphor, one scruple.

Digest for three days, and strain. (AUGUSTIN)

It is recommended in hysteria and con-

vulsive disorders.—Dose, from half a dram to two drams, in syrup.—VICAT recommended it in cephalalgia, odontalgia, and low spirits; being rubbed upon the hands and then held before the nose.

WARNER'S LAUDANUM.

Laudanum liquidum Warneri, Tinctura Opii ammoniacata. (DAN.; VAN MONS)

R. Opium, } of each, six drams
 Soap, }
 Nutmeg, one dram.
 Camphor, two drams.
 Saffron, four grains.
 Spirit of Ammonia, nine ounces.

Digest for ten days, occasionally shaking the vessel, and decant. (DAN.)

One dram contains five grains and a half of opium.

R. Opium, one ounce and a half.
 Nutmegs, two drams.
 Saffron, two scruples.
 Spirit of Ammonia, eighteen ounces.

Macerate, and add,

White Soap, one ounce and a half.
 Camphor, half an ounce.

Filter the tincture as it may be wanted. (VAN MONS)

TINCTURE OF SOAP AND OF OPIUM.

Linimentum saponis compositum seu camphoratum; Balsamum seu Linimentum anodynum, Tinctura seu Linimentum Saponis et Opii, Tinctura alcoholica Opii saponacea, Balsamum thebaicum. (EDINB.; AMER.; HISP.; GENEV.; HERBIP.; AUGUSTIN.; COXE.; NIEMANN.; PIERQUIN.; RATIER.; SPIELMANN.; VAN MONS)

Tinctura Saponis et Opii, vulgo Linimentum anodynum. (EDINB.)

R. Hard Soap, sliced, four ounces.
 Opium, one ounce.
 Camphor, two ounces.
 Oil of Rosemary, half an ounce.
 Alcohol, two pounds.

Digest the soap and opium in the alcohol for three days; then strain the tincture, and add to it the camphor and oil, frequently shaking.

COXE; and NIEMANN give the same formula.—AMER. prescribes twelve ounces of soap, two drams of oil of rosemary, and eight pounds of alcohol.

R. Opium, one dram.
 Spanish Soap, five ounces.

Alcohol, twenty-four ounces.
 Digest for three days, and dissolve in the strained liquor,

Camphor, two ounces.
 Oil of Rosemary, half an ounce.

Preserve. (SPIELMANN)

HERBIP. prescribes two drams of opium, one ounce of soap, three drams of camphor, half a dram of the oil, and nine ounces of alcohol.—GENEV.—one ounce of opium, five ounces of soap, two ounces of camphor, half an ounce of oil of rosemary, and one pound and a half of alcohol.—AUGUSTIN.—one dram of opium, one ounce of soap, half a dram of camphor, one dram of oil of rosemary, and a sufficient quantity of alcohol to dissolve the whole.

R. Opium, half an ounce.
 Camphor, six drams.
 White Soap, half an ounce.
 Saffron, one dram.
 Alcohol, one pound and a half.

Digest for eight days, and strain. (HISP.; and PIERQUIN)

R. Saffron, one part.
 Alcohol, forty-two parts.

Digest in a warm water-bath, and add,
 Opium, sliced, two parts.

Digest again, and add,

White Soap, scraped, four parts.

When the solution is completed, express and filter. (VAN MONS).

R. Opium, one ounce.
 Spirit of Rosemary, twenty-four ounces.

Macerate for a few days, express, and filter; dissolve in the strained liquor,

Camphor, three drams.
 Marrow Soap, six ounces.

Set aside, and decant. (VAN MONS)

R. Opium, one dram.
 Hard White Soap, half an ounce.
 Alcohol, four ounces.

Digest for three days, strain, and add,
 Camphor, two drams.

Shake well together. (RATIER)

Dose, thirty, forty, or fifty drops, in wine.—It is also employed externally, in rheumatism.—This preparation differs only from the liniment of soap, by the presence of opium.

SOMNIFEROUS BALSAM. (WIRTEM.)

R. Unguentum Populeum, } of each,
 Expressed Oil of Nutmeg, } one ounce.
 Opium, dissolved in alcohol, one dram.
 Oil of Rhodium, sixteen drops.

Mix.

CAMPHORATED ALCOHOLIC TINCTURE OF OPIUM AND OF BENZOIC ACID.

Tinctura Opii benzoica seu Camphoræ composita seu Opium camphorata seu sedativa camphorata, Elixir paregoricum. (LOND.; DUBL.; EDINB.; AMER.; BATAV.; DAN.; HANN.; LIPP.; BORUS.; SAX.; SUEC.; BORIES.; BRUGNATELLI.; CADET DE GASSICOURT.; COXE.; FEE.; PIERQUIN.; SWEDIAUR.; VAN MONS.)

Tinctura Camphoræ composita. (LOND.)

R. Camphor, two scruples.
 Hard Opium, powdered, } of each,
 Benzoic Acid, } one dram.
 Proof Spirit, two pints.
 Macerate for fourteen days, and filter.

Tinctura Opium camphorata, vulgo Elixir paregoricum Anglorum. (EDINB.)

R. Camphor, two scruples.
 Hard Purified Opium, in powder, } of each,
 Benzoic Acid, } one dram.
 Proof Spirit, two pounds and a half.
 Digest for seven days, and filter.

Tinctura Opium camphorata, sive Elixir Paregoricum. (DUBL.)

R. Hard Purified Opium, in powder, } of each,
 Benzoic Acid, } one dram.
 Camphor, two scruples.
 Oil of Anise, one dram.
 Proof Spirit, two pints.
 Digest for ten days, and strain.

COXE; FEE; and PIERQUIN give the same formula as LOND.—HANN.; LIPP.; BORUS.; BORIES.; BRUGNATELLI.; NIEMANN; PIERQUIN; and SWEDIAUR give the same as DUBL.—DAN.; SUEC.; and VAN MONS prescribe half a dram of oil of anise.—CADET DE GASSICOURT prescribes one dram of opium, one dram of benzoic acid, twenty-six grains of camphor, two scruples of the oil, and twenty-three ounces of alcohol (24 degrees).

R. Opium, }
 Benzoic Acid, } of each,
 Camphor, } one half part.
 Oil of Anise, }

Alcohol, ninety-six parts.
 Digest, and strain. (SAX.)

R. Opium, }
 Benzoic Acid, } of each, one dram.
 Oil of Anise, }
 Extract of Liquorice, half an ounce.
 Despumated Honey, two ounces.
 Camphor, two scruples.
 Alcohol (0.930), two pounds.

Digest for ten days, and strain. (AMER.; COXE; NIEMANN)

In mentioning the additions which encumber this formula, COXE asks, and with reason: *Cui bono?*

It is extolled in asthma.—Dose, from twenty to one hundred drops to adults, and from five to twenty to children.

ALCOHOLIC TINCTURE OF OPIUM AND OF BENZOATE OF AMMONIA.

Tinctura Opium ammoniata, olim Elixir paregoricum. (EDINB.)

R. Opium, two drams.
 Saffron, } of each,
 Benzoic Acid, } three drams.
 Oil of Anise, half a dram.
 Spirit of Ammonia, sixteen ounces.

Digest for seven days, and filter.

CADET DE GASSICOURT; COXE; FEE; HENRI; and PIERQUIN give the same formula.

R. Saffron, six drams.
 Spirit of Ammonia, thirty-two ounces.

Infuse for two days without heat, and add,
 Opium, sliced, half an ounce.
 Infuse again; and, at the end of several days, add,
 Benzoic Acid, six drams.
 Oil of Anise, one dram.

Express and filter. (VAN MONS)

R. Saffron, five drams.
 Aromatic Spirit of Ammonia, four ounces.

Digest for two days; then strain and add to the tincture,

Benzoic Acid, five scruples.
 Opium, two drams.

Digest for two days; strain and filter.
 Pour upon the residue,

Compound Spirit of Ammonia, two ounces.

Digest for twenty-four hours, strain, and mix with the tincture the matter remaining on the filter: strain again at the expiration

of twelve hours. Mix the two tinctures, and add

Oil of Anise, thirty-two drops.

Preserve. (ANT.; BELG.)

R. Hard Opium, two drams.
Benzoic Acid, half an ounce.
Spirit of Ammonia, one pound.

Digest for five hours, and filter. (CADET DE GASSICOURT; PIERQUIN)

It is principally recommended in asthma and hooping cough.—Dose, from thirty to forty drops, in a proper vehicle.

LETTSON'S SUDORIFIC ELIXIR.

Elixir sudoriferum, Tinctura Opii benzoica composita. (AUGUSTIN)

R. Ipecacuanha, } of each,
Balsam of Tolu, } half an ounce.
Benzoic Acid, }
Opium, } of each, two drams.
Saffron, }
Camphor, four scruples.
Oil of Anise, one dram.
Alcohol, two pounds.

Digest, and strain.—Dose, from five to thirty drops, augmenting progressively; in hooping cough.

ANTI-PODAGRIC EPITHEM. (BORIES)

R. Hungary Water, eight ounces.
Spirit of Ammonia, half an ounce.
Camphor, two drams.
Opium, half a dram.
Venice Soap, one ounce and a half.

Mix.—It is to be applied hot by means of fine linen, and to be renewed every hour.

ANTIMONIATED SEDATIVE TINCTURE.

Tinctura stibiata. (AUGUSTIN)

R. Solution of Succinate of } of each,
Ammonia, } two drams.
Paregoric Elixir, }
SYDENHAM'S Laudanum, } of each,
Antimonial Wine, } one dram.

Mix.—Dose, from twenty to forty drops every two hours, in hooping cough. It is extolled by JAHN.

LEMORT'S ANTI-ASTHMATIC LIQUOR. (VAN MONS)

R. Benzoic Acid, } of each, one dram.
Opium, }
Subcarbonate of Potass, one ounce.
Honey, } of each, four ounces.
Liquorice, }
Oil of Anise, half a dram.
Camphor, two scruples.
Proof Spirit, thirty-four ounces.

Digest in the spirit, first the saffron, then the opium, and then the liquorice; then add

the subcarbonate, and express at the end of several days: dissolve successively in the tincture, the acid, oil, camphor, and honey. Set apart, pass through a sieve, and then let the tincture stand till it becomes perfectly transparent.

SEDATIVE ÆTHERIAL LINIMENT. (VAN MONS)

R. Aromatic Tincture of Opium, six drams.
Sulphuric Æther, two drams.

Mix.—It is recommended in ischury, and in spasmodic and rheumatic affections.

SEDATIVE MIXTURE. (SWEDIAUR)

R. Water, six ounces.
Aromatic Tincture of } of each,
Opium, } one dram.
Sulphuric Æther, }
Simple Syrup, one ounce.

Mix.—Dose, a spoonful every hour or two hours.

ANODYNE ACID MIXTURE. (FULD.; HAMB.)

R. Tincture of Opium, two scruples.
Sulphuric Acid, one scruple.
Distilled Water, six ounces.
Syrup of Violet, one ounce.

Mix. (FULD.)

R. Tincture of Orange, half an ounce.
Sulphuric Acid, one dram.
Tincture of Opium, half a dram.

Mix. (HANN.)

VERMIFUGE TINCTURE.

Tinctura fetida pyro-oleosa. (AUGUSTIN)

R. Assafœtida, one dram.
Opium, } of each,
Subcarbonate of } two drams.
Ammonia, }
Tincture of Castor, two ounces.

Mix.—ROSENSTEIN recommends it in cases of tenia.—Dose, from thirty to forty drops, in wine or brandy.

E.

Extraction by Water.

AQUEOUS INFUSION OF OPIUM. (RATIER; PLANCHE)

R. Opium, one ounce.
Distilled Water, eight ounces.
Alcohol (36 degrees), half an ounce.

Infuse the opium in the water for two or three days, at the ordinary temperature, and in a dark place; then filter, add the alcohol, and preserve in well-stopped phials.

CHAUSSIER substitutes this infusion for

SYDENHAM'S Laudanum. —Dose, from sixteen to twenty-four or thirty drops; as an external application, from fifty to eighty drops in two ounces of infusion of mallow-flowers.

AQUEOUS EXTRACT OF OPIUM.

Extractum Opii seu Opii gummosum seu aquosum seu thebaicum, Laudanum opiatum seu simplex, Opium colatum seu depuratum. (LOND.; DUBL.; AUSTR.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÖP. FR.; FULD.; HANN.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; SAX.; SUEC.; WIRTEM.; BRUGNATELLI; COXE; SAUNDERS; SPIELMANN; SWEDIAUR; VAN MONS)

Extractum Opii. (LOND.)

R. Opium, sliced, sixteen ounces.
Water, one gallon.

Pour a little of the water upon the opium, and macerate for twelve hours that it may become soft; then add the remainder of the water, triturating together till the whole is well mixed, and set apart the mixture that the impurities may subside. Finally, strain and evaporate the liquor to the proper consistence.

Extractum Opii aquosum. (DUBL.; COXE)

R. Opium, two ounces.
Boiling Water, one pint.

Triturate the opium with the water for ten minutes, and after a short time pour off the liquor; rub the residue with an equal quantity of boiling water for the same space of time, and pour off the liquor again; then repeat this operation a third time. Mix together the decanted liquors, and expose the mixture for two days to the air in a broad open vessel. Finally, strain it through linen, and evaporate slowly.

R. Opium, in powder, any quantity.

Triturate it with a little cold water till this acquires a brown colour; then set aside, and decant: repeat the operation till the water ceases to become coloured. Mix the liquors together, and evaporate in a water-

Vol. II.

bath to the consistence of an extract. (FERR.; FULD.; LIPP.)

R. Opium, any quantity.

Knead it under a stream of cold water till this ceases to dissolve any more of it; then strain the liquor, clarify it with white of egg, evaporate it over a brisk fire, and when the liquor begins to thicken, strain and evaporate to the required consistence. (BELG.)

R. Opium, sliced, one part.
Cold Water, four parts.

Digest in a stove for two days, occasionally shaking the vessel; then strain, and set aside the liquor for two days; filter to separate the pellicle, of a virous odour, which is formed, and evaporate slowly to one half; place it again for two days in a stove, then filter again to remove the second pellicle, and finally evaporate to the consistence of an extract. (GALL.)

R. Opium, one part.
Cold Water, three parts.

Macerate for three days, without agitation, and decant; pour two parts of water upon the residue, and decant again after a short time: having repeated this operation a third time, strain the mixed liquors; clarify with white of egg, and finally evaporate, boiling slowly, and decanting in proportion as precipitate is formed. (VAN MONS)

R. Opium, any quantity.
Cold Water, a sufficient quantity.

Macerate for twelve hours, then digest in a moderate heat for twelve hours more, and strain; treat the residue in the same manner, till the water ceases to acquire any colour: then mix the liquors, and evaporate them to the consistence of an electuary. Dissolve the mass in cold water, set aside the liquor, strain, and finally evaporate to the consistence of an extract. (SUEC.)

R. Opium, four ounces.
Water, acidulated with half a pound of Lemon Juice, four pounds.

When dissolved, filter, and evaporate to the consistence of an extract. (BRUNS.; PALAT.; WIRTEM.)

R. Opium, two ounces.
Boiling Water, one pound.

Dissolve; strain the hot liquor, and add Cold Water, one pound.

Expose the mixture to the open air for two days; then filter, and evaporate, first over a slow fire and then in a water-bath, to the consistence of an extract. (BRUGNATELLI)

R. Opium, in coarse powder, one part.
Water, four parts.

Digest for two days at a moderate heat

2 P

and with frequent agitation; having then decanted and strained the liquor, evaporate it in a water-bath. (AUSTR.; DAN.; HISP.; HANN.; OLDEN.; LUSIT.; PALAT.; BORUS.; SAX.; SAUNDERS; SPIELMANN; SWEDIAUR)

FORM. HÔP. FR. directs the liquor to be set apart for twenty-four hours; then to be filtered, and boiled down to one half; to be then set aside again, strained, and finally evaporated in a water-bath.—BAVAR.—the maceration to be continued for twenty-four hours, and the operation to be repeated with the residue and one fourth of water; the mixed liquors to be then evaporated.

The process generally followed at the present day is similar to that required by GALL. It is this: cut or rasp the opium according to its consistence, and macerate it repeatedly in cold water till dissolved; then strain the mixed liquors, evaporate the whole to one half, and set aside to cool; then filter to remove the resin, which separates partly in the form of precipitate and partly in that of a pellicle, and evaporate the clear liquor: then let it cool, and filter again. Finally, when the extract has arrived at the consistence of thick honey, mix it with cold distilled water; then filter the liquor, and evaporate it to the consistence of pilular mass.

When thus prepared, the extract contains meconate of morphine, a small quantity of narcotine, colouring matter, a little resin, gum, and fecula.—Dose, from half a grain to three grains.

ESSENTIAL SALT OR HARD EXTRACT OF OPIUM. (GALL.)

R. Opium, sliced, two pounds.
Cold Water, twelve pounds.

Macerate for twenty-four hours, occasionally stirring, and strain; macerate the residue with eight parts of water, and strain again. Mix the liquors, and evaporate them in a water-bath to the consistence of syrup. Pour this into dishes about two lines in depth, evaporate to dryness in an oven or water-bath, and detach the scales.

AQUEOUS EXTRACT OF OPIUM WITHOUT NARCOTINE. (FERR.; FEE)

R. Aqueous Extract of Opium,
any quantity.

Having mixed it with a little water, put it into a bottle with purified æther, and shake the mixture frequently; after a short time, decant, and add fresh æther: continue to do this till the decanted æther ceases to leave a residuum on being evaporated; then evaporate the extract to the consistence of pilular mass.

This is the process of ALPHONSE LEROY as given by ROBQUET. DUBLANC has declared it inefficient, and proposes the following:

R. Extract of Opium, prepared without heat, three hundred parts.
Distilled Water, one hundred and fifty parts.

Dissolve; pour the solution into a retort, and add to it

Pure Æther, two thousand parts.

Distil slowly about two hundred parts of æther; separate the apparatus, and pour off the supernatant æther from the retort: wash the extract while hot with distilled æther; then dissolve it in distilled water, and evaporate it again to the proper consistence.

Thus prepared, the extract of opium does not contain an atom of narcotine.

DIEST'S EXTRACT OF OPIUM. (GALL.)

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

Boil slightly for half an hour, and strain; then having boiled the residue twice more with an equal quantity of water, strain the three mixed decoctions: put the mixture into a tin cucurbit placed in a sand-bath heated by a lamp in such a manner that it may be kept slowly boiling, without ceasing, for six months, adding occasionally a little distilled water, and decanting to remove the sediment. At the end of the six months, let the liquor cool, strain it through flannel, and evaporate it in a water-bath to the consistence of pilular mass.

This process is justly abandoned, for it presents no real advantage over the more speedy ones.

EXTRACT OF OPIUM BY FERMENTATION. (GALL.; CADET DE GASSICOURT)

R. Opium, sliced, any quantity.
Water, of each,
Yeast of Beer, } a sufficient quantity.

Ferment at a proper temperature, and when the liquor becomes clear, dilute it with water; then having filtered it, boil it till all virous odour becomes dissipated, and finally evaporate it to the consistence of thick extract.

This process is due to DEYEUX. It wants exactness; for the alterations which the opium undergoes must be more or less considerable as the fermentation may have been more or less perfect. No one has hitherto ascertained the kind of alteration which it must of necessity undergo.

LANGELOT'S CYDONIATED EXTRACT OF OPIUM.

Extractum Opii cydoniatum Langelotti.
(SPIELMANN)

- R. Opium, twelve ounces.
Dissolve it in a mixture of
Juice of Quinces, } of each,
Spring Water, } sixty ounces.

Digest for several days in a warm place, and strain. Add to the liquor

White Sugar, four ounces.

Leave the mixture to ferment for several months, occasionally stirring it with a wooden spatula; on the fermentation ceasing, strain the liquor through linen, and evaporate it to the consistence of an extract.

The same remark may be made with regard to this as the preceding extract. It very probably contains acetate of morphine.

CROCATED EXTRACT OF OPIUM.

Laudanum opiatum. (BRUNS.; HISP.; PALAT.; SARD.; WIRTEM.)

- R. Aqueous Extract of Opium, two ounces.
Extract of Saffron, } of each,
Balsam of Mecca, } half a dram.
Mix. (PALAT.; WIRTEM.)

BRUNS. requires powdered, instead of extract of, saffron.

- R. Aqueous Extract of Opium, two ounces.
Extract of Saffron, one ounce.
Prepared Mother of Pearl, } of each,
Hyacinth, } one dram
Coral, } and a half.
Terra Sigillata, one dram.
Bezoar, four scruples.
Hartshorn Shavings, two scruples.

Pulverize, reduce to a paste with a little water, and form it into trochiscs. (HISP.)

- R. Extract of Opium, } of each,
Saffron, } one ounce.
Powdered Amber, } six drams.
Castor, three drams.

Mix the extracts with a little alcohol, and then incorporate the powders. (SARD.)

ANODYNE EXTRACT. (WIRTEM.)

- R. Aqueous Extract of Opium, three drams.
Extract of Blessed Thistle, five drams.
Sweet Flag, } of each,
Angelica, } one ounce.
Oil of Cloves, ten drops.

Mix.—Each dram contains seven grains and a half of opium.

ANTI-HYSTERIC LAUDANUM. (WIRTEM.)

- R. Extract of Opium, half an ounce.
Castor, one dram.
Saffron, one scruple.
Essential Oil of Mace, } of each,
Mint, } six drops.
Rue, }

Make a pilular mass.—It is recommended in hysterical colic, to appease the spasms.—Dose, one or two grains.

GLYCYRRHIZED EXTRACT OF OPIUM.

Laudanum diureticum seu urinarium, Extractum Opii glycyrrhizatum. (HISP.; WIRTEM.)

- R. Aqueous Extract of Opium, two drams.
Extract of Liquorice, one ounce and a half.
Trochiscs of Alkekenge, } of each,
Venice Turpentine, } half an ounce.
Camphor, one dram.
Saffron, four scruples.
Gum Tragacanth, } of each,
Mastic, } half a dram.

Mix the extracts with a little water, and having reduced them to the consistence of honey, incorporate the turpentine; then add the other ingredients in powder, and form the mass into trochiscs.

This preparation is extolled in spasmodic affections of the urinary apparatus.—Thirteen grains contain one grain of opium.

CYDONIATED EXTRACT OF OPIUM.

Laudanum opiatum cydoniatum, Extractum Opii cydoniatum. (PALAT.; WIRTEM.; BORIES)

- R. Opium, sliced, half a pound.
Juice of Quinces, recently expressed, six pounds.

Digest in a moderate heat; then decant, filter, and evaporate the liquor: add to it

- Essential Oil of Cinnamon, } of each,
Cloves, } half
Mace, } a scruple.

Mix. (PALAT.; WIRTEM.)

- R. Opium, in powder, four ounces.
Juice of Quinces, recently expressed, four pounds.

Digest for three weeks, and add

- Cloves, } of each, one ounce.
Nutmegs, }

Heat slightly, and then leave to digest for eight days. Add then

- Saffron, one ounce.
White Sugar, four ounces.

At the end of twenty-four hours, filter, and evaporate in a water-bath, till the li-

quor is reduced to one third, and preserve it. (BORIES)

This preparation, now disused, differs from the aqueous extract of opium by the impurities of the quince juice and by the aromatics which are added to it. It was formerly classed among the astringent antispasmodics, and was thought useful in vomiting, diarrhoea, hiccup, and generally as an anodyne.—Dose, one grain to an adult, and from the twentieth to the tenth of a grain to children. This however, applies only to the product of the second formula, for that of the first contains one grain of opium in ten drops.

SEDATIVE PILLS.

Pilule sedativæ seu hypnoticæ. (PH. SYPH.; RATIER; SWEDIAUR; VAN MONS)

SWEDIAUR's formula is very simple; it consists of dividing the aqueous extract of opium into pills of one grain each.—One or more for a dose, according to the indication.

R. Extract of Opium, three grains.
Camphor, six grains.
Simple Syrup, a sufficient quantity.

Make six pills. (PH. SYPH.; RATIER; VAN MONS)

R. Extract of Opium, one grain.
Camphor, six grains.
Nitrate of Potass, four grains.
Simple Syrup, a sufficient quantity.

Make one pill. (RATIER)

OPIATE PECTORAL PILLS. (FULD.)

R. Extract of Liquorice, one ounce and a half.
Opium, half an ounce.
Syrup of Poppies, a sufficient quantity.
Mix.—Dose, from two to six grains.

OPIATE BALSAMIC PILLS.

Pilule balsamicæ cum Opio. (AUGUSTIN)

R. Extract of Opium, half a dram.
Balsam of Peru, one dram and a half.
Myrrh, three drams.

Make pills of one grain each.—Dose, two or three every hour, alternating with a dose of tincture of opium. They are recommended by MARCUS.

ANTI-DIARRHOIC BOLUS. (SAINTE-MARIE)

R. Aqueous Extract of Opium, one grain.
Pimento, } of each, four grains.
Cassia Lignea, }
Saffron, }
Conserve of Dog-rose, a sufficient quantity.

Mix.

LOZENGES OF OPIUM. (VAN MONS)

R. Extract of Opium, one part.
White Sugar, sixty-four parts.

Incorporate the extract with the sugar, melted at a very gentle heat, and form the mass into lozenges of six grains each.

PECTORAL PASTILLES. (FERR.)

R. Mucilage of Iceland Moss, } of each,
Gum Arabic, } one pound.
Sugar, two pounds.
Opium, one dram and a half.

Make pastilles of twenty-four grains each.—Dose, ten, daily.

ANODYNE POWDER. (HAMB.; WIRTEM.; CADET DE GASSICOURT; PIERQUIN)

R. Extract of Opium, one dram.
Prepared Red Coral, two drams.
Mix. (WIRTEM.)

R. Aqueous Extract of Opium, two grains.
Compound Powder of Tragacanth, two ounces.

Mix. (PIERQUIN)

R. Extract of Opium, } of each,
Red Sanders Wood, } one scruple.
Prepared Red Coral, four scruples.

Mix. (WIRTEM.)

ANODYNE CATAPLASM.

Cataplasma cum Opio. (AUGUSTIN)

R. Linseed Meal, four ounces.
Water, a sufficient quantity
to make a cataplasm. Add,
Opium, half a dram.

OPIATE LINIMENT. (RATIER)

R. Aqueous Infusion of Opium, four drams.
Olive Oil, two ounces.

Shake well together.

PH. SYPH. prescribes a *Sedative Lavement* which resembles this liniment; it is prepared with two or three grains of aqueous extract of opium, and four ounces of olive or linseed oil.

SWEDIAUR also gives a *Sedative Liniment*, composed of one dram of extract of opium, triturated first with a little hot water, and then from three to eight drams of simple cerate.

They are employed to appease local pain.

OPIATE COLLYRIUM. (RATIER)

R. Aqueous Extract of Opium, half a dram.
Water, one pound.

Mix.

RATIER also prescribes two grains of extract and four ounces of water.—The strength of the collyrium might be varied according to the indication.

SEDATIVE SOLUTION. (RATIER; SWEDIAUR)

R. Extract of Opium,
from two to four drams.
Hot Water, one pound.
Triturate together.—For fomentations to pruriginous affections of the skin.

SEDATIVE GARGLE. (SWEDIAUR)

R. Extract of Opium, one or two drams.
Boiling Water, one pound.
Mix, and add,
Alcohol, one ounce.

It is useful in painful ulcers of the throat and tongue, in rheumatic odontalgia and otalgia, and in nervous head-ach.

OPIATE LAVEMENT. (SPIELMANN; SWEDIAUR)

R. Bruised Linseed, one ounce.
Boiling Water, six ounces.
Infuse for an hour; then add to the strained liquor,
Extract of Opium, two grains.
Mix.

SEDATIVE INJECTION. (CADET DE GASSICOURT)

R. Extract of Opium, sixteen grains.
Infusion of Linseed, one pound.
Mix.

SYRUP OF OPIUM.

Syrupus Opii seu de Opio seu opiatius seu thebaicus seu sedativus seu hypnoticus.
(DUBL.; ANT.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; COXE; VAN MONS)

Syrupus Opii. (DUBL.; COXE)

R. Aqueous Extract of Opium, eighteen grains.
Hot Water, eight ounces.
Macerate, and when dissolved, form a syrup with
White Sugar, twenty-seven ounces.

R. Extract of Opium, prepared with cold water, three drams sixty grains.
Water, two ounces.
Dissolve, and add,
Simple Syrup, nine pounds nine ounces and a half

Mix, boil for a few moments, and strain through flannel. (GALL.)

FORM. HÔP. FR. prescribes one part of extract, four parts of water, and six hundred of syrup.—ANT.—one ounce of purified opium, a little water, and fifteen pounds of boiling syrup.—HISP.—one scruple of extract, three ounces of water, and one pound of syrup, to be boiled to the proper consistence.—FERR.—three drams of extract, four pounds of sugar, and two pounds and a half of water.

R. Extract of Opium, made without heat, one part.
Simple Syrup, four hundred and eighty parts.

Incorporate gradually, triturating it in a marble mortar with a large pestle. (VAN MONS)

R. Opium, cut in small pieces, one ounce and a half.
Water, eighteen ounces.

Macerate without heat till perfectly dissolved, then strain, and to eight parts of the strained liquor, add

White sugar, fifteen parts.
Dissolve in a water-bath. (VAN MONS)

Dose, from two to four drams, twice or oftener in the day.

OPIATE INJECTION.

Injectio Lactis opiatæ seu anodyna. (ELLIS)

R. New Milk, six ounces.
Syrup of Opium, one ounce.
Mix.

NARCOTIC POTION. (DISP. CHA. PARIS)

R. Syrup of Opium, half an ounce.
Lime-flower Water, three ounces.
Orange-flower Water, one ounce.
Mix.

EMULSIVE SYRUP OF OPIUM. (VAN MONS)

R. Gum Arabic, one part
Opium, two parts.
Triturate together and make an emulsion with
Water, forty-six parts.
Set aside, and dissolve with a moderate heat in the decanted liquor,
White Sugar, two hundred and thirty-six parts.

SEDATIVE LAVEMENT. (ELLIS)

R. Opium, two grains.
Mucilage of Gum Arabic, half an ounce.
Warm Milk, six ounces.
Mix.

OPIATE POTION. (AUGUSTIN)

R. Opium, one grain.
Water, one ounce.

Dissolve.—To be taken at one dose; for an adult.

R. Water, half an ounce.
Aromatic Liquor, } of each, two drams.
Syrup of Opium, }
Tincture of Opium, ten drops.

Mix.—Dose, a tea-spoonful.

ANODYNE OINTMENT. (PIERQUIN)

R. Lard, three ounces.
Syrup of Opium, one ounce.
Essence of Roses, four drops.

Mix.—It is useful in inflammations of the membrane of the mouth.

PECTORAL SYRUP. (CADET DE GASSICOURT)

R. Senna, } of each,
Liquorice, } nine ounces three drams.
Cinchona, six ounces three drams.
Anise, five ounces.
Elder Flowers, three ounces one dram.
Tops of Lesser Centaury,

one ounce and a half.
Ipecacuanha, five drams.
Water, a sufficient quantity.

Boil for a long time; and add to the strained liquor,

White Sugar, eight pounds.
Aqueous Extract of Opium,
four drams and a half.

Mix.—Dose, from half a tea-spoonful to a table spoonful, in infusion of hyssop.

MALOET'S PECTORAL SYRUP. (BORIES; CADET DE GASSICOURT; HENRI; PIERQUIN)

R. Jujubes, } of each, one ounce.
Dates, }
Corinth Raisins, }
Water, a sufficient quantity.

Boil, and add, towards the end,

Canadian Maidenhair, four drams.
Liquorice, two drams.

Strain with slight expression, and add,

White Sugar, two pounds.

Having boiled to a syrup, add,

Extract of Opium, mixed with a
little water, six grains.

Boil again, and strain.—Dose, one ounce.

SEDATIVE INJECTION. (RATIER)

R. Poppy Heads, two.
Stems of Solanum Nigrum, one dram.
Water, one pound.

Boil, and add when strained,

Extract of Opium,
from ten to twenty grains.

Mix.

ANTI-DYSENTERIC MIXTURE. (VAN MONS)

R. Opium, two or three grains.
Syrup of Poppies, one ounce.
Chamomile Water, six ounces.

Mix.—Dose, from half a spoonful to one spoonful, every quarter of an hour.

NARCOTIC COLLYRIUM. (CADET DE GASSICOURT)

R. Infusion of Henbane Leaves, half a pound.
Extract of Belladonna, eight grains.
Opium, four grains.

Mix.

FEBRIFUGE POTION. (BORIES)

R. Mint Water, } of each,
Orange-flower Water, } two ounces.
Valerian Water, }
Tincture of Castor, } of each,
Amber, } twenty-five
Assafetida, } drops.
Theriac, one dram.

Aqueous Extract of Opium,
one grain and a half.

Solution of Ammonia, twelve drops.
Syrup of Orange Peel, one ounce.

Mix.—To be taken at two equal doses, on the day of the paroxysm, one six hours before and the other an hour after its invasion. It is said to have subdued intermittents which had resisted cinchona.

SUCCINATED SYRUP OF OPIUM.

Syrupus Opii succinatus seu Karabe. (ANT.; CADET DE GASSICOURT; HENRI)

R. Syrup of Opium, one pound.
Succinic Acid, dissolved in water,
one scruple.

Mix. (ANT.)

CADET DE GASSICOURT prescribes two scruples of acid.

R. Syrup of Opium, one pound.
Spirit of Amber, two scruples.

Mix. (HENRI)

Dose, from half an ounce to one ounce, in a potion.

ANTI-HÆMORRHOIDAL OINTMENT. (PIERQUIN)

R. Extract of Opium, dissolved in
a little water, half a dram.
Calcined Oyster Shells, one dram.
Unguentum Populeum, four ounces.

Incorporate the whole with yolk of egg.

ANODYNE LINIMENT. (RATIER)

- R. Aqueous Extract of Opium, three drams.
 Ointment of Marshmallows, one ounce.
 Balsamum Tranquillum, } of each,
 Oil of Almonds, } two ounces.

Mix.—This liniment is employed by BOYER.

SEDATIVE MIXTURE. (SWEDIAUR)

- R. Orange-flower Water, six ounces.
 Extract of Opium, three grains.
 Sulphuric Æther, one dram.
 White Sugar, half an ounce.

Mix.—Dose, a spoonful, every hour or two hours.

ANODYNE COLLYRIUM. (FULD.; ELLIS; VAN MONS)

- R. Mucilage of Quince, one ounce.
 Aqueous Extract of Opium, one grain.
 Camphor, triturated with a drop of Oil, two grains.
 Rose Water, two ounces.

Mix the extract and camphor, and make an emulsion with a part of the mucilage; then add alternatively the water and the mucilage by portions. (FULD.; VAN MONS)

ELLIS prescribes one grain of opium, five grains of camphor, and one ounce of mucilage of gum arabic.

COMPOUND LOHOCH. (RATIER)

- R. Simple Lohoch, four ounces.
 Extract of Opium, one grain.
 Cinchona, four grains.
 Camphor, six grains.

Mix.—It is employed in bronchitis accompanied with violent cough and inordinate secretion of mucus.

II. Preparations which contain Opium in substance, either crude or purified.

A.

Preparations in which the action of the Opium is not modified, at least sensibly, by other Substances.

OPIATE POWDER.

Pulvis opiatus seu thebaicus seu Cretæ compositus cum Opio seu Cornu Cervi usi cum Opio. (LOND.; DUBL.; EDINB.; MIL. COPEN.; GENEV.; HANN.; Bo-

RUS.; SUEC.; WURCEB.; BRUGNATELLI; COXE; ELLIS; VAN MONS)

Pulvis Cornu usi cum Opio. (LOND.)

- R. Hard Opium, in powder one dram.
 Prepared Burnt Hartshorn, one ounce.
 Cochineal, one dram.

Mix.

Pulvis opiatus. (EDINB.)

- R. Opium, one part.
 Prepared Carbonate of Lime, nine parts.

Mix intimately.

Pulvis Cretæ compositus cum Opio. (LOND.; DUBL.)

- R. Compound Powder of Chalk, six ounces and a half.
 Hard Opium, in powder, four scruples.

Mix.

COXE; and VAN MONS also give the latter formula.

- R. Opium, one part.
 White Sugar, twenty parts.

Mix. (MIL. COPEN.; WURCEB.)

GENEV. prescribes one part of opium, and twenty-three parts of sugar.

- R. Opium, one part.
 Compound Powder of Tragacanth, nine parts.

Mix. (HANN.; BORUS.)

- R. Opium, one part.
 White Sugar, two parts.
 Compound Powder of Tragacanth, twelve parts.

Mix. (SUEC.)

- R. Opium, one part.
 Calcined Hartshorn, nine parts.

Mix. (BRUGNATELLI)

- R. Prepared Chalk, one dram and a half.
 Cinnamon, one dram.
 Long Pepper, eight grains.
 Opium, six grains.

Make twelve parcels. (ELLIS)

OPIATE PILLS.

Pilula opiate seu ex Opio. (EDINB.; AMER.; MIL. COPEN.; FERR.; HANN.; CAST. BORUS.; WURCEB.; AUGUSTIN;

BRUGNATELLI; COXE; ELLIS; SAUNDERS; VAN MONS)

Pilulæ Opiatæ, olim Pilulæ thebaicæ.
(EDINB.; BRUGNATELLI)

R. Opium, one part.
Extract of Liquorice, seven parts.
Pimento, in powder, two parts.

Soften the two first with dilute alcohol, and then incorporate the whole.

R. Opium, ten grains.
Extract of Liquorice, one dram.

Make forty pills. (WURCEB.)

MIL. COPEN. prescribes ten grains of opium, and one scruple of extract of liquorice.—CAST. BORUS.; and AUGUSTIN—ten grains of opium, and four scruples of the extract.—HANN.—one part of opium, and four parts of the extract.—SARD.—one of opium, and three of the extract.—FERR.—one of opium, and six of the extract.

R. Opium, four parts.
Water, nine parts.

Dissolve, strain, and add

Crumb of Bread, twelve parts.

Set apart for some time; express, and add

Starch, three parts.
Sugar, one part.

Make pills. (VAN MONS)

R. Opium, one dram.
Soap, twelve grains.
Water, a sufficient quantity
to make sixty pills. (AMER.; COXE; ELLIS)

ANTI-EPILEPTIC CONFECTION.

Conditum anti-epilepticum. (VAN MONS)

R. Opium, half a dram.
Valerian, one ounce and a half.
Syrup of Poppies, a sufficient quantity.

Mix.—Dose, a tea-spoonful, twice or thrice a day.

OPIATE OINTMENT. (BATAV.; CADET DE GASSICOURT; ELLIS; PIERQUIN; RATIER; VAN MONS)

R. Opium, in powder, one or two drams.
Simple Cerate, four ounces.

Mix. (RATIER)

VAN MONS prescribes one part of opium, and eighteen parts of cerate.

R. Olive Oil, two ounces and a half.
Yellow Wax, two ounces.

Melt together, and add

Opium, two grains.
Mix. (BATAV.)

R. Opium, twenty grains.
Yolk of Egg, one.

Mix, and add

GALEN'S Cerate, two ounces.

Mix by trituration. (CADET DE GASSICOURT; PIERQUIN)

R. Opium, five grains.
Rhubarb, ten grains.
Simple Cerate, one ounce and a half.

Triturate together. (ELLIS)

This ointment is used to apply to wounds, tumours, excoriations, and pustules which occasion much pain.

NARCOTIC OINTMENT.

Unguentum sedativo-narcoticum. (BRERA)

R. Opium, one dram.
Calf's Gastric Juice, a sufficient quantity.

Digest for twenty-four hours in a moderate heat, and then add a sufficient quantity of lard to make a soft ointment.

Half a dram or one dram of this is rubbed upon the epigastric region, in gastrodynia, cardialgia, spasmodic colic, hysteria, and hypochondria.

ANODYNE OINTMENT. (GENEV.; PIERQUIN)

R. Olive Oil, three ounces one dram and a half.
Wax, six drams and a half.
Powdered Opium, one ounce.

Boil for a quarter of an hour, and strain with expression; boil the residue in four ounces of water till reduced to two, and incorporate the decoction with the cerate. (PIERQUIN)

GENEV. prescribes one dram of opium, ten drams of oil, and half an ounce of wax.

It is recommended in asthenic nervous affections.

SOOTHING OINTMENT. (SAINTE-MARIE)

R. Oil of Roses, }
Lard, } of each, two ounces.
Yellow Wax, }

Melt over a slow fire, and add

Purified Opium, one dram.

Mix.—TRONCHIN applied this to painful enlargements of the breast, renewing it every twelve hours.

SEDATIVE SUPPOSITORY. (ELLIS)

R. Opium, two grains.
White Soap, four grains.

Mix.—To be introduced into the rectum when lavements are inadmissible.

OPIATE PLASTER. (LOND.; EDINB.;
FULD.; LIPP.)

Emplastrum Opii. (LOND.; EDINB.)

R. Opium, in powder, half an ounce.
Resin of Spruce Fir,

three ounces.

Lead Plaster, one pound.

Melt the two last, and mix the whole.

R. Melilot Plaster, sixteen parts.

Melt slowly, and when it has become nearly cold, add

Opium, in powder, one part.

Mix. (LIPP.)

FULD. prescribes one part of opium, and twenty-four of plaster.

LINIMENT OF OPIUM WITH CALF'S GALL.

Unguentum opiatum. (AUGUSTIN; NIEMANN)

R. Opium, in powder, two drams.
Calf's Gall, two ounces.

Digest for two days, and add

Lard, two ounces.

Oil of Bergamotte, ten drops.

Mix.—It is recommended by BRERA, as an excellent anodyne.

B.

Preparations in which the action of Opium is more or less modified, and in some instances completely masked by that of stimulant substances.

OPIATE PECTORAL TROCHISCS. (EDINB.; AMER.; HERBIP.; COXE)

Trochisci Glycyrrhizæ cum Opio.

(EDINB.; AMER.; COXE)

R. Opium, two drams

Tincture of Tolu, half an ounce.

Simple Syrup, eight ounces.

Extract of Liquorice,

softened with hot

water,

Gum Arabic, in powder,

of each, five ounces.

Triturate the opium with the tinc-

Vol. II.

ture; then add gradually the syrup and the extract, and sprinkle in the powdered gum arabic: finally, dry the mass and form it into trochiscs of ten grains each.

R. Opium, } of each, one dram.
Balsam of Peru, }
White Sugar, two drams.
Mass of Black Pectoral Trochiscs, seven ounces.

Triturate the opium with the balsam and sugar; then add the mass softened with hot water, and make trochiscs of from ten to fifteen grains. (HERBIP.)

ANTI-EMETIC PILLS. (PIERQUIN)

R. Purified Opium, four grains.
Calumba, four scruples.
Oil of Peppermint, ten drops.
Syrup of Clove Pink, a sufficient quantity.

Make thirty pills.—Dose, two, thrice a day.

SEDATIVE POWDER.

Pulvis Nitri thebaicus seu sedativus. (BATAV.; FULD.; LIPP.; SUEC.; SPIELMANN)

R. Opium, one part.
Nitrate of Potass, fifteen parts.
Sugar, forty-five parts.

Mix. (FULD.)

BATAV.; and SUEC. prescribe one part of opium, eleven parts of nitre, and forty-eight of sugar.—SPIELMANN—one of opium, ten of nitre, and forty-eight of sugar.—LIPP.—one of opium, twelve of nitre, and forty-eight of sugar.

ANODYNE POWDER. (HAMB.)

R. Opium, four grains.
Antimoniated Magnesia, two drams.

Divide into eight parcels. It is recommended in rheumatism.

ANTI-DYSENTERIC POWDER. (VAN MONS)

R. Opium, } of each,
Tartarized Antimony, } one part.
Gum Arabic, } of each, eight parts.
White Sugar, }

Mix.—For the same purpose as the preceding.

ASTRINGENT POWDER.

Pulvis adstringens. (BRERA)

R. Opium, } of each, one grain.
Ipecacuanha, }
Cascarilla, ten grains.

2 Q

Mix.—To be taken three or four times a day, in obstinate diarrhœa from atony.

STORAX PILLS.

Pilulæ e Storace. (DUBL.; BRUNS.; GENEV.; PALAT.; SARD.; SUEC.; WIRTEM.; HERBIP.; SPIELMANN.; SWEDIAUR.; VAN MONS)

R. Purified Storax, three drams.
Soft Purified Opium, } of each,
Saffron, } one dram.

Mix intimately together. (DUBL.)

R. Storax, half an ounce.
Extract of Liquorice, three drams.
Olibanum, }
Benzoin, } of each,
Mastic, } two drams.
Extract of Opium, }
Saffron, } one dram.
Essence of Amber, a sufficient quantity.

Make a pilular mass. (BRUNS.; PALAT.; WIRTEM.; SPIELMANN)

SARD. prescribes half an ounce of storax, two drams of extract of liquorice, one dram each, of olibanum, of benzoin, of myrrh, and of opium, two scruples of saffron, and a sufficient quantity of syrup of poppies.—VAN MONS—one part each, of benzoin, of myrrh, of olibanum, of opium, and of saffron, one and a half of extract of liquorice, two parts of storax, and a sufficient quantity of simple syrup.

R. Storax, two ounces.
Extract of Liquorice, } of each,
Saffron, } six drams.
Opium, } five drams.
Balsam of Peru, a sufficient quantity.

Make a pilular mass. (HERBIP.)

R. Storax, } of each,
Saffron, } one ounce.
Extract of Liquorice, }
Opium, } five drams.
Tincture of Myrrh, }
a sufficient quantity.

Mix. (SWEDIAUR)

R. Storax, two drams.
Extract of Liquorice, three drams.
Opium, one dram.
Spanish Wine, a sufficient quantity.

Mix. (SUEC.)

R. Storax, } of each, half an ounce.
Olibanum, }
Myrrh, }
Opium, }
Saffron, } of each,
Extract of Liquorice, } one dram.
Syrup of Poppies, a sufficient quantity.

Mix. (GENEV.)

It is stimulant and expectorant.—Dose, from four to twelve grains.

COMPOUND POWDER OF IPECACUANHA.

Pulvis alexiterius seu anodynus seu diaphoreticus seu diapnoicus seu sudorificus seu sudorificus Doveri, Pulvis Doveri, Pulvis Ipecacuanhæ opiatius seu thebaicus seu Ipecacuanhæ et Opii seu compositus seu Ipecacuanhæ cum Opio. (LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; MIL. COPEN.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; GENEV.; HAMB.; HANN.; LIPP.; OLDEN.; LUSIT.; POL.; CAST. BORUS.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; BRERA.; BRUGNATELLI.; CADET DE GASSICOURT.; COXE.; ELLIS.; PIERQUIN.; SPIELMANN.; SAUNDERS.; SWEDIAUR.; PH. SYPH.; VAN MONS)

Pulvis Ipecacuanhæ compositus.
(LOND.; DUBL.)

Pulvis Ipecacuanhæ et Opii. (EDINB.)

R. Ipecacuanha, } of each,
Pure Hard Opium, } one part.
Sulphate of Potass, eight parts.

Mix.

LOND. requires the ingredients to be separately powdered: EDINB.; and DUBL. direct them to be pulverized together.

AMER.; BAVAR.; FENN.; HAMB.; OLDEN.; LUSIT.; POL.; CAST. BORUS.; BORUS.; SUEC.; WIRTEM.; BRUGNATELLI.; and COXE give the same formula.—AMST.; BELG.; LIPP.; ROSS.; SAX.; and HERBIP. prescribe one part each, of opium and of ipecacuanha, and nine of sulphate of potass.—BATAV.—one each, of opium, and of ipecacuanha, and ten of sulphate.

R. Purified Opium, one part.
Ipecacuanha, two parts.
White Sugar, seven parts.

Pulverize and mix. (FERR.; FORM. HÔP. FR.)

AUSTR.; DAN.; and WIRTEM. prescribe one part each, of opium and of ipecacuanha, and eight parts of sugar.—MIL. COPEN.—one each, of opium and of ipecacuanha, and twenty of sugar.—PIERQUIN—one of opium, two of ipecacuanha, and eighteen of sugar.

R. Nitrate of Potass, } of each,
Sulphate of Potass, } four parts.

Pulverize them, and fuse them in a crucible; pour the fluid mass into an iron mortar, and when nearly cold, add

Powdered Opium, } of each,
Ipecacuanha, } one part.

Triturate to a very fine powder. (GENEV.; PH. SYPH.; CADET DE GASSICOURT; SWEDIAUR; SAUNDERS)

HAMB.; and ELLIS prescribe eight parts each, of the two salts, and one part each, of the two other substances.—VAN MONS—four each, of the nitrate, of the sulphate, and of ipecacuanha, and one of opium.—HISP.—four of sulphate, six of nitrate, and one each, of ipecacuanha and of opium.

R. Sulphate of Potass, } of each,
Nitrate of Potass, } four parts.

Add to the melted and cool mass,

Powdered Extract of Opium, } of each,
Ipecacuanha, } one
Liquorice, } part.

Pulverize. (GALL.; SPIELMANN)

VAN MONS prescribes four parts of sulphate, three of nitrate, and one part each, of the three powders.

This last is the original formula of DOVER.

The compound powder of ipecacuanha, most frequently nauseous and emetic, becomes sudorific when the patient is warmly covered, and takes warm drinks. The dose, which, without speaking of individual or circumstantial conditions, varies according to the relative proportion of opium, is in general from ten grains to half a dram.

DIAPHORETIC AND SEDATIVE POWDER. (BRERA)

R. DOVER'S Powder, } of each,
JAMES' Powder, } four grains.

Mix.—To be taken every four hours, in obstinate pains attending rheumatism, syphilis, or gout.

SUDORIFIC BOLUSES. (BRERA; SWEDIAUR)

R. DOVER'S Powder,
from twenty to twenty-five grains.
Syrup of Ginger, a sufficient quantity.

Make a bolus.—To be taken in the morning. (SWEDIAUR)

BRERA prescribes sixteen grains of the powder, and a sufficient quantity of elder rob to make four boluses; or, twelve grains of the powder, and six of extract of aconite, to make six boluses; one to be taken every two hours.

ANODYNE POWDER. (HAMB.)

R. Magnesia, one dram.
Oxide of Zinc, sixteen grains.
Ipecacuanha, } of each, two drams.
Opium, }

Mix.—This nearly resembles DOVER'S powder.

ANTI-OTODYNIC MIXTURE. (PIERQUIN)

R. Opium, three or four grains.
Saffron, half a scruple.
Myrrh, half a dram.
Juice of Mallow, half an ounce.
Oil of Almonds, two ounces.

Mix.

PIERQUIN also gives another formula :—two grains each, of camphor and of opium, and one ounce and a half of oil.

Both of these are to be injected warm into the ear.

ANTI-ODONTALGIC MIXTURE. (SAUNDERS)

R. Opium, half a grain.
Oil of Cloves, ten drops.
HOFFMANN'S Liqueur, one dram and a half.

Mix.

ANODYNE OINTMENT. (FULD.; HERBIP.)

R. Opium, } of each, one scruple.
Saffron, }
Yolk of Egg, one.
Unguentum Populeum } of each,
Nutritum, } one ounce.

Mix. (FULD.)

HERBIP. prescribes three ounces each, of saturnine cerate and of unguentum populeum, one dram each, of opium and of saffron, and three yolks of eggs.

It is principally recommended as an application to painful piles.

SAPONACEOUS PILLS OF OPIUM. (LOND.; AMER.; HERBIP.; COXE)

Pilulæ Saponis cum Opio. (LOND.)

R. Hard Opium, in powder, half an ounce.
— Soap, two ounces.

Make a pilular mass.

R. Purified Opium, } of each,
Root of Liquorice, } half an
White Hellebore, } ounce.
Black Hellebore, }

STARKEY'S Soap, a sufficient quantity.

Make a pilular mass. (HERBIP.)

ANTI-SPASMODIC CATAPLASM. (CADET DE GASSICOURT; PIERQUIN)

R. Cataplasm of Linseed Meal, made with decoction of Poppy Heads, four ounces.

Sprinkle it with

Powdered Opium, twenty grains.
— Camphor, half a dram.

ANTI-SPASMODIC PLASTER. (AUGUSTIN ;
ELLIS ; SAUNDERS)

- R. Cumin Plaster, } of each, one ounce.
 Yellow Wax, }
 Opium, } of each, two drams.
 Camphor, }

Mix. (SAUNDERS)

- R. Opium, } of each, half a dram.
 Camphor, }
 Litharge Plaster, } two drams.

Mix. (ELLIS)

- R. Opium, } of each, one dram.
 Camphor, }
 White Soap, }
 Tincture of Opium, a sufficient quantity

to make a soft mass. (ELLIS)

- R. Opium, } of each,
 Extract of Henbane, } two drams.
 Hemlock, } half an ounce.

Mix. (AUGUSTIN)

- R. Opium, } of each,
 Sub-carbonate of } half a dram.
 Ammonia, }
 Camphor, }
 Petroleum, } two drams.
 Crocated Plaster of Galbanum, } one ounce.

Mix. (AUGUSTIN)

ANTI-ODONTALGIC BALSAM. (PALAT. ;
WIRTEM. ; AUGUSTIN ; PIERQUIN ;
SAINTE-MARIE ; SPIELMANN ; VAN
MONS)

- R. Opium, } of each, two scruples.
 Camphor, }

Dissolve them in a little alcohol, and add

- Oil of Cloves, } one dram.
 Guaiac, } two drams.
 Nutmeg, } six drams.

Mix. (PALAT. ; WIRTEM. ; CADET DE
GASSICOURT ; PIERQUIN ; SPIELMANN ;
VAN MONS)

- R. Opium, } of each, one scruple.
 Camphor, }
 Cajeput Oil, } one dram.
 Oil of Nutmeg, } three drams.

Mix. (SAINTE-MARIE)

A small quantity of this balsam is to be
put into the hollow of the carious tooth.To this preparation may be resembled
that which BRUNS. ; and SPIELMANN give
under the title of *Sotirella parva*, of which
the following is the formula :

- R. Opium, } of each,
 Species Diambrae, } one dram.
 Camphor, }
 Saffron, } of each, twelve grains.
 Oil of Cloves, } thirty drops.
 Nutmeg, } two drams.

Mix.—It is to be used in the same manner.

- R. Opium, } half a dram.
 Extract of Belladonna, } of each,
 Camphor, } six grains.
 Cajeput Oil, } of each,
 Tincture of Cantharides, } eight drops.
 Oil of Henbane, } one dram.

Mix.—To be used in the same manner.
(AUGUSTIN)

- R. Powdered Mastic, } of each,
 Sandarac, } two drams.
 Dragon's Blood, } ten grains.
 Opium, } two grains.
 Oil of Rosemary, } eight drops.
 Spirit of Scurvy-Grass, }
 a sufficient quantity.

Mix.—A little to be applied to the painful
gum. (AUGUSTIN)

ANTI-SPASMODIC PILLS. (FULD.)

- R. Opium, } of each, fifteen grains.
 Castor, }
 Camphor, } half a dram.
 Extract of Valerian, } of each,
 Fetid Goose- } two drams.
 foot, }
 Tincture of Milfoil, }
 a sufficient quantity.

Mix.—Dose, from ten to twenty grains.

ANTI-SPASMODIC BOLUS. (PIERQUIN)

- R. Opium, } half a grain,
 Camphor, } three grains.
 Nitrate of Potass, } ten grains.
 Conserve of Roses, }
 a sufficient quantity.

Mix.—For one dose.

CHAUSSIER'S PASTILLES. (CADET DE
GASSICOURT)

- R. Opium, } six grains.
 Camphor, } twenty-one grains.
 Sugar, } three drams.
 Mucilage, } a sufficient quantity,
 to make fifty pastilles.—They are recom-
 mended in croup and lazyngal phthisis.—
 Dose, five or six, daily.

CHAUSSIER'S TROCHISCS. (CADET DE GAS-
SICOURT ; SWEDIAUR)

- R. Opium, } one scruple.
 Camphor, } one dram.
 Sugar, } nine drams.
 Gum Tragacanth, } half a dram.
 Water, } a sufficient quantity.
 Make one hundred and fifty trochiscs.—
 Dose, four or six, daily.

ANTI-SPASMODIC POWDER. (VAN MONS)

- R. Opium, } half a scruple.
 Camphor, } two scruples.

Subcarbonate of Ammonia, four scruples
 Starch, fifteen grains.
 Divide into eighteen parcels.—Dose, one
 parcel every hour, in mint water.

ANTI-CANCEROUS BALSAM. (BORIES)

R. Opium, twenty-four grains.
 Acetate of Lead, four ounces.
 Camphor, one dram.
 Spirit of Turpentine, twelve ounces.
 Digest for two days, and strain.

RENAL OINTMENT. (PALAT.)

R. Opium, one scruple.
 Camphor, half a scruple.
 Oil of Scorpions, } of each
 Lemon Juice, } half an ounce.
 Unguentum Populeum, one ounce and a half.

Mix.—To be applied to the loins in the
 passing of renal calculi.

ANODYNE PLASTER. (BRUNS.; SPIEL-
 MANN)

R. Soap Plaster, } of each, four ounces.
 Yellow Wax, }
 Melt together and add to the mass when
 nearly cold,

Deliquesced Subcarbonate of
 Potass, five drams.
 Opium, in powder, half an ounce.
 Camphor, three drams.
 Oil of Henbane Seeds, five drams.

Mix.—It is recommended in diseases of
 of the joints.

ORIENTAL PILLS. (CADET DE GASSI-
 COURT)

R. Purified Opium, }
 Saffron, } of each,
 Cinnamon, } an equal part.
 Nutmeg, }
 Lesser Cardamoms, }
 Syrup of Orange Flowers, a sufficient quantity.

Make pills of three grains each.—Dose,
 two or three in the evening.

TONIC AND HYPNOTIC PILLS. (PIERQUIN)

R. Opium, }
 Olibanum, } of each,
 Storax, } two scruples.
 Myrrh, }
 Extract of Liquorice, }
 Starch, } two drams.
 Gum Tragacanth, } of each,
 — Arabic, } half an ounce.

Mix.—Dose, from half a scruple to half
 a dram.

COMPOUND PILLS OF HOUNDSTONGUE.

Pilula de Cynoglossa seu Opii composita,
Catapotia ad Catarrhos; *Pilules adou-*
cissantes de Mésué. (ANT.; BELG.;
 BRUNS.; HISP.; GALL.; FORM. HÔP. FR.;
 HANN.; PALAT.; SARD.; WIRTEM.;
 CADET DE GASSICOURT.; NIEMANN;
 PIERQUIN.; SPIELMANN.; VAN MONS)

1. Without Castor.

R. Dried Bark of the Root of Hounds-
 tongue, one ounce.
 Seeds of White Henbane, } of each,
 Opium, } two drams.
 Olibanum, } six drams.
 Saffron, } one dram.
 Peruvian Balsam, a sufficient quantity.

Mix the opium, pulverized separately,
 with the other substances, pulverized to-
 gether, and gradually add the balsam to
 form a pilular mass. (SARD.)

R. Root of Houndstongue, } of each,
 Seeds of Henbane, } half
 Opium, } an ounce.
 Myrrh, } six drams.
 Olibanum, } five drams.
 Storax, }
 Cloves, } of each, two drams.
 Cinnamon, }
 Saffron, } one dram and a half.
 Syrup of Violets, a sufficient quantity

to make a pilular mass, one dram of which
 contains eight grains each, of opium and of
 henbane. (SPIELMANN)

BRUNS.; PALAT.; WIRTEM.; and NIE-
 MANN give the same formula, but NIEMANN
 prescribes but two drams each, of myrrh,
 and of olibanum.—BRUNS.; PALAT.; and
 WIRTEM. prescribe an equal part each, of
 syrup of violets and of juice of hounds-
 tongue.

R. Root of Houndstongue, } of each,
 Seeds of Henbane, } one ounce.
 Opium, }
 Myrrh, } of each,
 Olibanum, } one ounce and a half.
 Storax, }
 Cloves, } of each, half an ounce.
 Cinnamon, }
 Simple Syrup, a sufficient quantity.

Make a pilular mass. (HANN.)

2. With Castor.

R. Aqueous Extract of Opium, three drams.
 Bark of the Root of Houndstongue, two ounces.
 Saffron, five drams.
 Castor, six drams.
 Simple Syrup, nine drams.

Make a mass, one scruple of which contains two grains of opium. (HISP.)

This is the only pharmacopœia which omits the henbane.

R. Root of Houndstongue, } of each,
 Seeds of Henbane, } four
 Vinous Extract of Opium, } parts.
 Castor, } of each,
 Saffron, } one part and a half.
 Olibanum, } five parts.
 Myrrh, } six parts.
 Simple Syrup, a sufficient quantity.

Make a pilular mass. (VAN MONS)

R. Myrrh, one ounce and a half.
 Olibanum, ten drams.
 Root of Houndstongue, } of each,
 Seeds of Henbane, } one ounce.
 Opium, }
 Castor, } of each, three drams.
 Saffron, }
 Simple Syrup, a sufficient quantity.

Make a pilular mass. (BELG.)

R. Root of Houndstongue, } of each,
 Seeds of White Henbane, } half
 Purified Opium, } an ounce.
 Myrrh, } six drams.
 Olibanum, } five drams.
 Saffron, } of each, two drams.
 Castor, }
 Syrup of Violets, } of each, a
 Houndstongue, } sufficient
 quantity.

Make a pilular mass. (BRUNS.; PALAT.; WIRTEM.)

GALL.; FORM. HÔP. FR.; CADET DE GASSICOURT; and PIERQUIN give the same formula, but substitute for the opium the vinous extract, and the two syrups by that of opium; they also diminish the quantity of saffron and of castor by half a dram, and assign a weight of four grains to the pills.

R. Myrrh, six drams.
 Olibanum, five drams.
 Bark of the Root of Houndstongue, half an ounce.
 Saffron, } of each,
 Castor, } one dram and a half.
 Seeds of Henbane, half an ounce.

Pulverize each separately; then mix and sift the whole. Then

R. Purified Opium, half an ounce.
 Distilled Water, two drams.

Soften, in a marble mortar, with a slight heat, and add

Syrup of Opium, one ounce.

Finally incorporate the powder, adding more syrup of opium, so as to form a pilular mass. (ANT.)

These celebrated pills are in very great use as sedative, in catarrhs, hæmoptysis, and strangury.—Dose, from three to five grains.

ANTI-COLICAL PLASTER.

Emplastrum ad Tormina Ventris. (SWEDIAUR)

R. Lead Plaster, two ounces.
 Galbanum, one ounce.
 Oil of Caraway, two drams.

Melt, and add

Opium, one dram.

Mix.—It is recommended in flatulent colic, diarrhœa, and dysentery.

ANODYNE PLASTER. (SPIELMANN)

R. *Emplastrum Diapompholigos*, one ounce.
 Soot, four scruples.
 Opium, one dram.
 Subcarbonate of Ammonia, two scruples.

Knead the whole well with a sufficient quantity of the oil of solanum nigrum. DECKER recommended it in cancer.

ODONTALGIC PLASTER. (BRUNS.; SARD.; WIRTEM.)

R. Tacamahac, } of each, one ounce.
 Elemi, }
 Mastic, }
 Opium, } two drams.

Mix, by trituration, with

Venice Turpentine, two drams.

It is recommended to be applied in tooth-ach, head-ach, and catarrhal discharges. It is spread, with a warm spatula, upon silk, and thus applied to the cheeks or temples.

We may compare with this plaster, that which BRUNS. gives under the title of *Emplastrum ad Tempora*, of which the following is the formula:

R. Gum Anime, }
 — Caranna, } of each, two drams.
 — Elemi, }
 Mastic, }
 Storax, }
 Amber, } three drams.
 Turpentine, }
 Opium, } of each, one dram.
 Balsam of Peru, }
 Oil of Cloves, } of each, three drops.
 — Amber, }

Mix.

CADET DE GASSICOURT also gives the following formula:

R. Hard Opium, one ounce.
 Mastic, } of each,
 Sandarac, } two drams seven grains.
 Dragon's Blood, half a dram.

Pulverize each separately, mix them together, and add eight drams of oil of rose-

mary; then triturate in a mortar, adding gradually a sufficient quantity of spirit of scurvy grass to obtain a soft mass.

It will be proper to place among these various preparations, those which are found described in BATAV.; BELG.; HANN.; OLDEN.; BORUS.; SARD.; SPIELMANN; and VAN MONS, under the names of *Emplastrum opiatum*, and of *Emplastrum cephalicum*, of which the following are the formula:

R. Elemi, }
Mastic, } of each, four ounces.
Olibanum, }
Benzoin, } two ounces.
Turpentine, } six ounces.

Melt together in a water-bath, and add

Balsam of Peru, half an ounce.
Opium, one ounce.

Mix. (BATAV.; BELG.; HANN.; OLDEN.; BORUS.; SAX.)

VAN MONS prescribes one part of Peruvian balsam, two parts of opium, four of benzoin, and eight each, of elemi, of mastic, of olibanum, and of turpentine.

R. Tacamahac, }
Storax, } of each, eight parts.
Mastic, }
Caranna, }
Peruvian Balsam, } four parts.
Opium, }
Oil of Amber, } of each, one part.

First mix together the tacamahac, mastic, and caranna, in a heated mortar; then incorporate the storax and balsam, and finally add the opium and oil. (VAN MONS)

VAN MONS also prescribes one part of opium, two parts each, of Peruvian balsam, of benzoin, and of turpentine, and four each, of elemi, of olibanum, and of tacamahac.—SPIELMANN—one ounce each, of tacamahac, of caranna, of storax, and of mastic, two drams of turpentine, four scruples of opium, half an ounce of Peruvian balsam, and one dram of oil of amber.

HYPNOTIC OINTMENT. (WIRTEM.)

R. Alabastrine Ointment, } of each,
Rose Ointment, } half an ounce.
Poplar Ointment, } two ounces.
Oil of Henbane, } half an ounce.
Oil of Walnuts, } one dram and a half.
Opium, dissolved in Rose Water, }
Saffron, } one dram.
White Wax, } half a dram.
White Wax, } half an ounce.

Make an ointment.—It used formerly to be applied to the temples and wrists spread upon linen.

BASILIC PLASTER. (WIRTEM.)

R. Yellow Wax, one pound and a half.
Resin of the Pine, half a pound.

Melt slowly together, and strain; when the mass is nearly cold, add, in powder,

Tacamahac, }
Elemi, } of each, one ounce.
Olibanum, }
Dragon's Blood, }

When these are mixed, add further,

Gum Ammoniac, }
Galbanum, } of each, one ounce.
Opoponax, }
Bdellium, }
Assafotida, }
Gum Hedera, }
Extract of Opium, } of each,
Saffron, } two drams.

The whole dissolved in vinegar. Express, evaporate to the consistence of honey, and add, constantly stirring,

Venice Turpentine, one pound.
Gum Tragacanth, ten ounces.
Castor, half an ounce.
Subcarbonate of Ammonia, one ounce and a half.

Mix.—This used formerly to be principally applied in œdema.

TROCHISCS OF AMBER. (WIRTEM.)

R. Opium, } of each,
Saffron, } one dram fifteen grains.
Myrrh, }
Calcined Hartshorn, }
Red Coral, }
Gum Arabic, }
Tragacanth, }
Mastic, } of each,
Lac, } two drams.
Juice of Acacia, }
Hypocist, }
Flowers of Pomegranate, }
Seeds of Black Poppy, }
Amber, } six drams.
Mucilage of Fleaseed, }
a sufficient quantity

to make a mass, to be divided into trochiscs.

These trochiscs, now nearly forgotten, resemble diascordium in their effects. They were extolled by MESUE in hæmorrhages, particularly in hæmoptysis and menorrhagia, and also in diarrhœa and excessive hæmorrhoidal discharge.—Each dram contains three grains of opium.

ANTI-DYSENTERIC PILLS. (LUSIT.)

R. Opium, } of
Extract of Catechu, } each,
Bistort, } two
Angelica, } drams.

Extract of Contrayerva, }
 Sweet Flag, }
 Tormentil, }
 Zedoary, }
 Milfoil, }
 Scordium, }
 Pomegranate Bark, } of
 Red Roses, } each,
 Pomegranate } two
 Flowers, } drams.
 Saffron, }
 Myrrh, }
 Rhubarb, }
 Oil of Nutmeg, three drams.
 Mace, one dram.
 Balsam of Peru, three drams and a half.
 Oil of Juniper, two drams.
 Make a pilular mass.—Dose, from four
 to eight grains, three or four times a day.

MITHRIDATE.

Electuarium mithridaticum, Antidotus mithridatica Dömoeratis. (PALAT.; SARD.;
 WIRTEM.; SPIELMANN)

R. Myrrh, }
 Saffron, }
 Agaric, }
 Ginger, }
 Cinnamon, }
 Spikenard, }
 Olibanum, }
 Seeds of Thlaspi, }
 Carrot, seven ounces.
 Fennel, }
 Anise, } of each, five ounces.
 Parsley, }
 Seseli, }
 St. John's- }
 wort, } of each,
 Herb of Lemon-grass, eight ounces and
 Pennyroyal, } a half.
 Scordium, } seven ounces.
 Root of Arabian Costus, } of each,
 Gentian, } eight ounces.
 Sweet Flag, }
 Asarum, } of each,
 Valerian, } three ounces.
 Ligusticum Meum, }
 Storax, }
 Long Pepper, } of each, eight ounces.
 White Pepper, seven ounces.
 Castor, two ounces and a half.
 Juice of Acacia, }
 Hypocist, } of each,
 Leaves of Laurus Cassia, } eight
 Fruit of Amyris Opobalsamum, } ounces.
 Gum Arabic, }
 Opium, } of each,
 Lesser Cardamoms, } five ounces.
 Petals of Red Roses, }
 Cypheos Trochiscs, seven ounces.

Pulverize, mix, and add,
 Galbanum, }
 Opopanax, } of each, eight ounces.
 Bdellium, five ounces.
 Sagapenum, three ounces.

mixed perfectly with
 Spanish Wine, forty-eight ounces.
 Incorporate the mixture with
 Honey, eight hundred and sixty ounces.
 previously triturated with
 Opobalsamum, }
 Turpentine, } of each, eight ounces.

Mix.—(SPIELMANN)

This formula is from GALEN.

R. Root of Round Birth- }
 wort, } four ounces
 Valerian, } and a half.
 Sweet Flag, five ounces three drams.
 Gentian, seven ounces and a half.
 Ligusticum Meum, three ounces six drams.
 Ginger, fifteen ounces.
 Herb of Dittany of Crete, seven ounces and a half.
 Pennyroyal, } of each, ten
 Scordium, } ounces and a half.
 Leaves of Laurus Cassia, twelve ounces.
 Flowers of St. John's-wort, three ounces and a half.
 French Lavender, twelve ounces.
 Red }
 Roses, } of each,
 Celtic Nard, } seven ounces and
 a half.
 Spikenard, fifteen ounces.
 Lemon-grass, thirteen ounces.
 Seeds of Thlaspi, fifteen ounces.
 Seseli, twelve ounces.
 Carrot, ten ounces and a half.
 Parsley, } of each, seven
 Fennel, } ounces and a half.
 Anise, four ounces and a half.
 Juniper, one ounce.
 Long Pepper, twelve ounces.
 White Pepper, }
 Fruit of Amyris } of each,
 Opobalsamum, } ten ounces and a
 half.
 Lesser Cardamoms, seven ounces and a half.
 Saffron, fifteen ounces.
 Cinnamon, fifteen ounces and a half.
 Arabian Costus, twelve ounces.
 Cassia Lignea, ten ounces and a half.
 Trochiscs of Agaric, fifteen ounces.
 Castor, twelve ounces.
 Scincus Marinus, }
 three ounces and a half.
 Myrrh, sixteen ounces.
 Olibanum, fifteen ounces.
 Bdellium, ten ounces and a half.

Gum Arabic, seven ounces and a half.
 Pulverize, mix, and sift. Then dissolve
 in eight pounds of wine,
 Galbanum, } of each, twelve ounces.
 Opoponax, }
 Sagapenum, four ounces and a half.
 Juice of Hypocist, twelve ounces.
 Acacia, four ounces.

Opium, seven ounces and a half.
 Mix the solution with
 Despumated Honey,
 one hundred and six pounds.

Incorporate the powder gradually. Then
 pour into the mixture,
 Storax, twelve ounces,
 dissolved in
 Turpentine, fourteen ounces.

Add, finally,
 Opobalsamum, twelve ounces

Stir again for several hours, and leave it
 to ferment in a large vessel. (WIRTEM.)

In the following formula, the ingredients
 of the electuary are classed in the same
 manner as a dose in making theriac.

1st class.—

Anise, two drams and a half.
 Ginger, ten drams.
 Mace, } of each, half an ounce.
 Cloves, }
 Gentian, five drams.

The total weight is three ounces one
 dram and a half.

2nd class.—

Scordium, seven drams.
 Celtic Nard, } of each, five drams.
 Seeds of Parsley, }
 Long Pepper, one ounce.

The total weight is three ounces one dram.

3rd class.—

Pennyroyal, seven drams.
 Seeds of Fennel, five drams.
 Valerian, two drams and a half.

The total weight is one ounce six drams
 and a half.

4th class.—

Cinnamon, ten drams.
 Zedoary, } of each, one ounce.
 Seseli, }
 Red Roses, five drams.

The total weight is three ounces seven
 drams.

5th class.—

Dittany of Crete, five drams.
 Cassia Lignea, } of each, seven drams.
 Cubebs, }
 White Pepper, }
 Seeds of Thlaspi, ten drams.

The total weight is four ounces and a half.

VOL. II.

6th class.—

Seeds of Carrot, seven drams.
 Lesser Cardamoms, five drams.
 Sweet Flag, } of each, two
 Round Birthwort, } drams and a half.
 Angelica, }
 St. John's-wort, }

The total weight is two ounces six drams
 and a half.

Each of these mixtures is to be reduced
 to powder, then each of the following sub-
 stances are to be separately reduced to
 powder :

Myrrh, } of each, ten drams.
 Olibanum, }
 Agaric, }
 Saffron, }
 Castor, one ounce.
 Bdellium, seven drams.
 Scincus Marinus, chopped, two drams and a half.

Then take

Spikenard, } of each, ten drams.
 Lemon-grass, }
 French Lavender, one ounce.

Chop them small, mix them with mucilage
 of tragacanth, and dry and pulverize
 them.

Pulverize also,

Cypheos Trochiscs, seven drams ;
 or their ingredients taken in proper pro-
 portions. Then dissolve

Opium, } of each, five drams.
 Gum Arabic, }
 Juice of Hypocist, one ounce.
 Acacia, two drams and a half,

in a sufficient quantity of wine of Crete.
 Then add,

Despumated Honey,
 thrice the weight of the whole ;
 first triturating it with

Turpentine, one ounce.

Incorporate gradually the powders, and
 finally, add

Storax, one ounce,
 dissolved in oil of nutmeg and wine, and
 leave it to ferment. (PALAT.)

R. Castor, }
 Saffron, }
 Oil of Nutmeg, } of each,
 Amber, } one ounce and
 Chio Turpentine, } a half.
 Galbanum, }
 Myrrh, }
 Gum Arabic, }
 Sweet Flag, }
 Arabian Costus, } of each,
 Round Birthwort, } one ounce.
 Valerian, }
 Zedoary, }

2 R

Leaves of Dittany of Crete,	} of each, ten drams.
White Horehound,	
Rue,	
Wild Thyme,	
Pennyroyal,	
Flowers of Sweet Rush,	
Chamomile,	
Pennyroyal,	
French Lavender,	
Tansey,	
Seeds of Small Sandwort (<i>Sium Ammi</i>),	} six drams.
Carrot,	
Lesser Cardamoms,	
Cubebs,	
Opium,	
Honey, thrice the weight of the whole.	
Madeira Wine, a sufficient quantity.	

Dissolve the opium in wine, add the solution to the honey heated, and then the oil of nutmeg mixed with the turpentine; then incorporate the powders, adding lastly, that of the saffron mixed with wine, and leave the mass to ferment. (SARD.)

The invention of this preparation is ascribed to MITHRIDATES, king of Pontus, whose recipe POMPEY brought to Rome, where DAMOCRATIS sung in praise of it. From its origin it has been considered alexipharmic, stomachic, comforting, anodyne, in a word, a panacea. Every modern pharmacopœia omits it, and it is sought for in the older ones only as a memento: but certainly it is not to reason but rather to caprice that we are to ascribe this reform. Mithridate has experienced the same fate as theriac: it has been prepared after a different formula from that of the original inventor, longer, more complicated, and differing also in every country. Such is the history of all panaceas; they vary according to times, places, and circumstances, but people's faith in them continues the same, till fashion, (to the caprices of which even faith is subject,) gives it another direction and object.

Each ounce of the mithridate of WIRTEM. contains three grains of opium, and four of saffron.

JULEP OF MITHRIDATE.

Julopium mithridaticum. (SAUNDERS)

R. Mithridate,	two drams.
Common Julep,	five ounces.
Mix.	

THERIAC, OPIATE ELECTUARY.

Theriaca, Electuarium theriacale magnum seu Opii compositum seu aromatico-opiatum seu opiatum seu thebaicum, Confectio Opii. (LOND.; EDINB.; AMST.; ANT.; BATAV.; BAVAR.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; GENÈV.; HANN.; OLDEN.; LUSIT.;

PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; SUEC.; WIRTEM.; BRUGNATELLI.; COXE.; SPIELMANN.; SWEDIAUR.; VAN MONS)

The invention of the electuary to which NICANDER gave the name of *Theriaca* is generally attributed to ANDROMACH. PLINY says that the formula of a similar composition was inscribed in verse, three centuries before the Christian æra, upon the temple of Æsculapius, and that ANDROMACH merely imitated, by order of NERO, the composition of the mithridate which had then been for a long time celebrated. The following is ANDROMACH's formula as GALEN has transmitted it to us:

R. Root of Florentine Iris,	} of each, twelve ounces.
Liquorice,	
Arabian Costus,	} of each, six ounces.
Pontic Rhubarb,	
Cinquefoil,	} of each, four ounces.
Ligusticum Meum,	
Rhubarb,	} four ounces.
Gentian,	
Birthwort,	two ounces.
Herb of Scordium,	twelve ounces.
Lemon-grass,	} of each, six ounces.
Horehound,	
Dittany of Crete,	} of each, four ounces.
Calamint,	
Pennyroyal,	} of each, four ounces.
Ground Pine,	
Germander,	four ounces.
Leaves of Laurus Cassia,	twelve ounces.
Flowers of Red Roses,	twelve ounces.
French Lavender,	six ounces.
St. John's-wort,	four ounces.
Lesser Centaury,	two ounces.
Saffron,	six ounces.
Fruit of Amyris Opobalsamum,	four ounces.
Cinnamon,	twelve ounces.
Cassia Lignea,	} of each, six ounces.
Spikenard,	
Celtic Nard,	four ounces.
Long Pepper,	twenty-four ounces.
Black Pepper,	} of each, six ounces.
Ginger,	
Cardamoms,	four ounces.
Seeds of Rape,	} of each, twelve ounces.
Agaric,	
Seeds of Macedonian Parsley,	six ounces.
Anise,	} of each, four ounces.
Fennel,	
Cress,	
Seseli,	
Thlaspi,	
Amomum,	} two ounces.
Sandwort,	
Carrot,	two ounces.
Opium,	twenty-four ounces.

Opobalsamum, twelve ounces.
 Myrrh, }
 Olibanum, } of each, six ounces.
 Turpentine, }
 Storax, }
 Gum Arabic, } of each, four ounces.
 Sagapenum, }
 Asphaltum, }
 Opoponax, } of each, two ounces.
 Galbanum, }
 Juice of Acacia, } of each,
 Hypocist, } four ounces.
 Castor, } of each,
 Lemnian Bole, } two ounces.
 Calcined Vitriol, } of each,
 Trochiscs of Squill, } four ounces.
 Viper, } of each,
 Sweet } twenty-four
 Flag, } ounces.

Triturate the balsams, resins, and gums, in Wine, a sufficient quantity, to form a thin paste, and incorporate the whole with

Honey, nine hundred and sixty ounces. (SPIELMANN)

Another longer formula directs the ingredients to be divided into six classes, thus :

1st class.—

Root of Illyrian Iris, } of each,
 Tops of Cretan Scordium, } one ounce
 Seeds of Rape, } and a half.
 Anise, } of each,
 Seseli, } half an ounce.
 Cretan Pennyroyal, }
 Zedoary, } six drams.

The total weight is half a pound six drams.

2nd class.—

Root of Gentian, } of each,
 Herb of Germander, } half
 Seeds of Cretan Fennel, } an ounce.
 Amomum, }
 Root of Cinquefoil, } of each,
 Tops of Horchound, } six drams.
 Calamint, }

The total weight is four ounces two drams.

3rd class.—

Root of Angelica, }
 Valerian, } of each,
 Celtic Nard, } half an ounce.
 Herb of Ground Pine, }
 Seeds of Thlaspi, }
 Long Birthwort, } two drams.
 Dittany of Crete, } six drams.

The total weight is three ounces and a half.

4th class.—

Red Roses, one ounce and a half.
 Flowers of St. John's-wort, half an ounce.

Flowers of Lesser Centaury, } of each,
 Seeds of Cretan Carrot, } two drams.
 Macedonian Parsley, }
 Trochiscs of Viper, } six drams.
 Squill, } three ounces.
 } six ounces.

The total weight is ten ounces two drams.

5th class.—

Seeds of Sandwort, } of each,
 Sweet Flag, } half an ounce.
 Cinnamon, } one ounce and a half.
 Cassia Lignea, } of each, six drams.
 Rhubarb, }
 Long Pepper, } three ounces.

The total weight is seven ounces.

6th class.—

Ginger, }
 Black Pepper, } of each, six drams.
 White Pepper, }
 Leaves of Laurus Cassia, } of each,
 Cubebs, } half
 Cardamoms, } an ounce.

The total weight is three ounces six drams.

Each of these mixtures is to be separately reduced to powder. Then each of the following substances is to be separately powdered.

Myrrh, }
 Male Olibanum, } of each, six drams.
 Oriental Saffron, }
 Trochiscs of Agaric, } one ounce and a half.
 Castor, } of each, two drams.
 Asphaltum, }
 Lemnian Bole, } of each,
 Calcined Chalcitis, } half an ounce.

Then cut small, mix with mucilage of tragacanth, and dry

Lemon-grass, }
 Spikenard, } of each, six drams.
 French Lavender, }

Pulverize separately; then mix the ingredients with

Trochiscs of Sweet Flag, three ounces.

Dissolve in Wine of Crete,

Gum Arabic, } of each, half an ounce.
 Sagapenum, }
 Opoponax, } of each, two drams,
 Galbanum, }

and strain the thick liquor through a silk sieve. Then mix together, separately,

Chio Turpentine, six drams.
 Storax, four drams.

Then mix together the six classes of powder, the powdered trochiscs, and the other substances powdered separately, with the exception of the Lemnian bole, the saffron, and the chalcitis. Then put into a large boiler,

Warm Purified Honey, six ounces,
and, by the aid of a large wooden pestle,
spread it exactly on the sides of the vessel.
Then pour into the boiler, the turpentine
and storax melted with a little honey and
wine of Crete, then the solution of the
gums, also mixed with a little wine, and
warmed. Then add

Juice of Acacia, half an ounce.
Liquorice, one ounce and a half.
Hypocist, half an ounce.
Opium, purified with vinegar,
three ounces,

each dissolved separately in wine of Crete.

Triturate well together, add several
pounds of warm despumated honey, and in-
corporate the powder gradually, passing it
through a close sieve, adding honey from
time to time, and constantly stirring, that
a uniform mass may be obtained; then
add the Lemnian bole and the chalcitis,
mixed with wine and a little oil of nutmeg,
and then the saffron also mixed with wine.
After having well stirred the mixture, put
it into the boiler, which should be of such
capacity that the mass may not fill it to more
than two-thirds or three-fourths, in order
to allow space for its fermenting. First
stir it every day for one week, then once
a month for a whole year; after which it
may be taken out of the vessel for use.
(PALAT.)

The same formula is found in HISP., but
that pharmacopœia does not class the in-
gredients nor does it give the mode of pre-
paration.

R. Root of Fraxinella, } of each,
Squill, } two pounds.
Florentine Iris, } one pound.
Cinquefoil, } six ounces.
Sweet Flag, } of each,
Valerian, } five ounces.
Rhubarb, } of each, six ounces.
Ginger, }
Angelica, } of each,
Gentian, } four ounces.
Long Birthwort, } two ounces.
Asarum, } sixteen scruples.
Herb of Cretan Scordium, } one pound.
Dittany of Crete, } six ounces.
Germander, } four ounces.
White Hore- }
hound, } of each,
Calamint, } six ounces.
Cretan Penny- }
royal, } of each,
Ground Pine, } four ounces.
Lesser Centaury, } two ounces.
Marjoram, } of each,
Marum, } sixteen scruples.
Leaves of Laurus Cassia, } five ounces.
Flowers of Red Roses, } one pound.
French Lavender, } six ounces.
St. John's-wort, } four ounces.

Seeds of Rape, one pound.
Cardamoms, eight ounces.
Macedonian Parsley, six ounces.
Anise, }
Cretan Fennel, } of each,
Sandwort, } four
Seseli, } ounces.
Thlaspi, }
Cretan Carrot, } two ounces.
Lemon-grass, } seven ounces.
Spikenard, } eight ounces.
Celtic Nard, } four ounces.
Long Pepper, } two pounds.
White Pepper, } of each, six ounces.
Black Pepper, }
Lesser Cardamoms, } of each,
Cubebes, } four ounces.
Cinnamon, } eight ounces.
Arabian Costus, } seven ounces.
Aloe Wood, } one ounce.
Trochises of Agaric, } one pound.
Myrrh, } eight ounces.
Olibanum, } six ounces.
Mastic, } eight scruples.
Gum Arabic, } four ounces.
Asphaltum, } two ounces.
Lemnian Bole, } four ounces.
Castor, } of each,
Italian Vipers, } two ounces.

Pulverize all these substances together,
excepting the lemon-grass and spikenard,
which are to be cut small and beat up with
mucilage of gum arabic, the mass dried
and reduced to powder, which is then to be
mixed with the preceding.

Set apart also the powdered roses, and
mix them with wine, adding,

Chalcitis, or Vitriol calcined to
whiteness, four ounces.
Safflower, powdered, eight ounces.

Dissolve also in a sufficient quantity of
Madeira wine,

Opium, two pounds.
Extract of Liquorice, one pound.
Juice of Hypocist, } of each,
Acacia, } four ounces.
Sagapenum, }

Having strained the solutions, mix them
with

Despumated Honey,
one hundred and sixty pounds.

Add the vinous liquor prepared with the
roses, safflower, and chalcitis, and incorpo-
rate the powder by means of a sieve. Fi-
nally, add,

Storax, four ounces.

Dissolved in

Turpentine, six ounces.
Opobalsamum, or, Oil of Nutmeg,
thirteen ounces.

Stir for one hour; then leave the mass to ferment in a large vessel, stirring it two or three times every month. (BRUNS.; WIRTEM.)

Besides these two classifications of the ingredients of the theriac, one founded on the equality of the weights, and the other on original resemblance; we also find in GALL. another which rests on analogy of nature and of properties in the ingredients: it embraces thirteen divisions, viz.:

1st class.—*Acrid Substances.*

- Pulp of Squill, three ounces four drams sixty grains.
- Root of Asarum, eighty-eight grains.
- White Agaric, } of each,
- Seeds of Rape, } one ounce and a half.
- Thlaspi, } half an ounce.

2nd class.—*Bitter Substances.*

- Myrrh, one ounce.
- Tops of Lesser Centaury, two drams.
- Root of Gentian, half an ounce.
- Rhubarb, six drams.
- Herb of Scordium, one ounce and a half.
- Germander, } of each,
- Ground Pine, } half
- Tops of St. John's-wort, } an ounce.

3rd class.—*Astringent Substances.*

- Petals of Red Roses, one ounce and a half.
- Root of Cinquefoil, six drams.
- Juice of Hypocist, } of each,
- Acacia, } half an ounce.
- Calcined Chalcitis, } half an ounce.

4th class.—*Exotic Aromatics.*

- Cinnamon, two ounces and a half.
- Cassia Lignea, one ounce.
- Ginger, six drams.
- Long Pepper, three ounces.
- Black Pepper, six drams.
- Amomum, one ounce.
- Cardamoms, half an ounce.
- Leaves of Laurus Cassia, six drams.
- Lemon-grass, fourteen drams.
- Spikenard, one ounce.
- Celtic Nard, half an ounce.
- Arabian Costus, seven drams.
- Acorus Virus, five drams.
- Aloe Wood, eighty-eight grains.

5th class.—*Indigenous Aromatics.*

- Saffron, one ounce.
- Dried Lemon Peel, } of each,
- Calamint, } six drams.
- Dittany of Crete, } of each,
- French Lavender, } six drams.
- White Horehound, } of each,
- Teucrum Montanum, } half an ounce.
- Marum, } of each,
- Marjoram, } eighty-eight grains.
- Florentine Iris, one ounce and a half.

6th class.—*Aromatics from Umbelliferous plants.*

- Seeds of Macedonian Parsley, } of each,
- Sandwort, } half an ounce.
- Fennel, } of each,
- Anise, } half an ounce.
- Seseli, } of each,
- Root of Spignel (*Ligusticum Meum*) } of each,
- Seeds of Cretan Carrot, two drams.

7th class.—*Resins and Balsams.*

- Xylobalsamum, one dram.
- Carpobalsamum, half an ounce.
- Opobalsamum, fifteen drams.
- Olibanum, } of each, six drams.
- Chio Turpentine, } of each, six drams.
- Mastic, twenty-four grains.
- Asphaltum, two drams.
- Storax, half an ounce.

8th class.—*Fetid Substances.*

- Root of Valerian, five drams.
- Long Birthwort, } of each,
- Galbanum, } two drams.
- Opoanax, } of each,
- Sagapenum, } half an ounce.
- Castor, two drams.

9th class.—*Virous Substance.*

- Opium, three ounces.

10th class.—*Inert Earth.*

- Lemnian Bole, four drams.

11th class.—*Gums, Feculae, &c.*

- Gum Senegal, four drams.
- Crumb of Wheat Bread, five drams fifty grains.
- Tare Meal, three drams, fifteen grains.
- Viper's Flesh, two drams twenty grains.

12th class.—*Sweet Substances.*

- Extract of Liquorice, one ounce and a half.
- Honey, ten pounds and a half.

13th class.—

- Spanish Wine, two pounds and a half.

Divide the wine into three portions; mix the honey with one, the opium with another, and the gums and juices with the last: strain the liquors separately, then, having mixed them together, add the chalcitis, the balsams, and lastly, very gradually, the powders. Leave the mass to ferment for one year in a covered vessel.

The opium forms about one eighty-eighth part of the whole mass, which is nearly equivalent to rather less than, one grain in a dram.

R. Long Birthwort,	}	of each, one part.
Asphaltum,		
Castor,		
Galbanum,		
Opoponax,		
Lesser Centaury,	}	of each, two parts.
Seeds of Wild Carrot,		
Amomum,		
Carpobalsamum,		
Lemon Peel,		
Gum Arabic,		
Leaves of Germander,		
— Ground Pine,		
— Laurus Cassia,		
— Mountain Pennyroyal,		
Flowers of St. John's-wort,		
Celtic Nard,		
Sweet Flag,		
Root of Gentian,		
— Spignel, (<i>Ligusticum Meum</i>)		
— Valerian,		
Sagapenum,		
Seeds of Sandwort,		
— Anise,		
— Lesser Cardamoms,		
— Fennel,		
— Seseli,		
— Thlaspi,		
Storax,	}	of each, three parts.
Juice of Acacia,		
— Hypocist,		
Sulphate of Iron, calcined to whiteness,		
Lemnian Bole,		
Calamint,		
Cassia Lignea,		
Arabian Costus,		
Dittany of Crete,		
Leaves of Horehound,		
Ginger,		
Myrrh,		
Spikenard,		
Olibanum,		
Black Pepper,		
Root of Cinquefoil,		
— Pontic Rhubarb,		
Saffron,	}	of each, six parts.
Seeds of Macedonian Parsley,		
Lemon-grass,		
French Lavender,		
Turpentine,		
Agaric,		
Balm of Mecca,		
Cinnamon,		
Leaves of Scordium,		
Petals of Red Roses,		
Florentine Iris,		
Squill,		
Seeds of Wild Rocket,		
Extract of Liquorice,		
Seeds of Tare,		
Species of Trochiscs of		
— Sweet Flag,		
Opium,		
Long Pepper,		

White Honey,
six hundred and seventy-two parts.
Malaga Wine, a sufficient quantity.
Dissolve the opium, the juices of acacia and of hypocist, and the extract of liquorice in a sufficient quantity of wine; emulsify the galbanum, opoponax, and sagapenum, at first alone, then with the gum reduced to mucilage with the wine, then with the opobalsamum and turpentine: reduce to powder and sift the other substances. Lastly, incorporate the whole, adding a sufficient quantity of wine to give it the consistence of an electuary. (VANMONS)

R. Pulp of Squill,	one pound and a half.	
Chio Turpentine,	}	of each, nine ounces.
Oil of Nutmeg,		
Extract of Liquorice,		
Opium,		
Dried Viper,		
Cinnamon,	}	of each, eight ounces.
Myrrh,		
Pomegranate Flowers,	}	of each, six ounces.
Benzoin,		
Saffron,		
Gum Arabic,		
Olibanum,		
Angelica,	}	of each, five ounces.
White Dittany,		
Arabian Costus,		
Contrayerva,		
Serpentaria,		
Florentine Iris,		
Gentian,		
Valerian,		
Calamint,		
Ground Pine,		
Pennyroyal,	}	of each, four ounces.
Scordium,		
Bay Berries,		
Lesser Cardamoms,	}	of each, four ounces.
Seeds of Lemon,		
— Macedonian Parsley,	}	of each, four ounces.
— Seseli,		
Sulphate of Iron, calcined to whiteness,	ten drams.	
Spikenard,	}	of each, two ounces.
Castor,		
Honey,	thrice the weight of the whole.	
Madeira Wine,	a sufficient quantity.	

Pulverize all the ingredients which are susceptible of being powdered; dissolve the opium in the wine, and strain the solution; then melt the honey over a slow fire, add gradually the solution of opium, the oil of nutmeg, and the turpentine melted together, and finally incorporate the powder. (SARD.)

R. Dried Root of Squill,	fourteen parts.	
Root of Florentine Iris,	six parts.	
— Ginger,	twenty-two parts.	
— Gentian,	eleven parts.	
— Sweet Flag,	twenty-four parts.	
— Valerian,	}	of each, three parts.
— Pontic Rhubarb,		

Cinnamon, fourteen parts.
 Dittany of Crete, eight parts.
 Scordium, eight parts.
 Petals of Red Roses, twelve parts.
 Saffron, four parts.
 Seeds of Anise, fourteen parts.
 Gum Senegal, twenty parts.
 Olibanum, three parts.
 Turpentine, six parts.
 Galbanum, four parts.
 Balsam of Peru, }
 Purified Opium, } of each, six parts.
 Extract of Liquorice, }
 White Agaric, fourteen parts.
 Sulphate of Iron, three parts.
 Castor, one part.
 Honey, six hundred and fifty-six parts.
 Spanish Wine, one hundred and fifty-eight parts.

Pulverize the solid substances, and mix the powders; divide the wine into three portions; dissolve the honey with a moderate heat in the first, mix the balsam and the turpentine in the second, and the opium in the third; mix together the two latter liquors, incorporate the mixture with the strained honey and wine, and finally incorporate the powders. (FORM. HÔP. FR.)

R. Squill, four ounces.
 Florentine Iris, half an ounce.
 Ginger, }
 Dittany of Crete, }
 Spikenard, }
 French Lavender, }
 Saffron, } of each, six
 Myrrh, } drams.
 Gentian, }
 Sweet Flag, }
 Spiguel (*Ligusticum Meum*), }
 Valerian, }
 Celtic Nard, }
 Amomum, }
 Long Pepper, three ounces.
 Scordium, four ounces.
 Cinnamon, one ounce.
 Lemon-grass, one dram and a half.
 Fennel, one ounce and a half.
 Opium, eleven drams.
 Castor, two drams.
 Storax, half an ounce.
 Balm of Mecca, two ounces.
 Sagapenum, half an ounce.
 Galbanum, two drams.
 Spanish Wine, a sufficient quantity.
 Honey, four pounds.

Dissolve the opium in wine, and the honey in one pound of wine; pulverize the other ingredients, with the exception of the balsam, sagapenum, and galbanum; then, having melted these in a water-bath, add to them the mellated and opiate wines; and finally incorporate the powders. (ANT.)

R. Root of Ginger, }
 Florentine Iris, } of each, six
 Spikenard, } drams.
 Celtic Nard, }
 Sweet Flag, }
 Gentian, }
 Valerian, one ounce.
 Squill, three ounces.
 Leaves of Dittany of Crete, six drams.
 Calamint, }
 Horehound, } of each, three
 Scordium, } ounces.
 Seeds of Anise, } of each, one
 Fennel, } ounce.
 Lesser Cardamoms, six drams.
 Long Pepper, }
 Extract of Liquorice, } of each, two
 Cinnamon, } ounces.
 Asphaltum, }
 Opium, }
 Storax, } of each, three
 Sagapenum, } drams.
 Galbanum, }
 Castor, one dram and a half.

Pulverize all these substances. Then melt slowly in a tinned vessel

Chio Turpentine, six ounces.

Add gradually warm despumated honey in the proportion of one ounce to every two ounces and a half of the powder; mix this gradually, and then add a mixture, prepared two days previously, of

Gum Arabic, } of each, one
 Sulphate of Iron, dissolved } ounce
 in water, } and
 Red Roses, } a half.
 Nut Galls, }
 Spanish Wine, six ounces.

Stir the electuary for about six days. (BRUGNATELLI)

R. Root of Valerian, }
 Contrayerva, }
 Gentian, }
 Leaves of Scordium, } of each, one
 Chamomile Flowers, } pound.
 Cinnamon, }
 Pepper, }
 Juniper, }
 Orange Peel, }
 Seeds of Anise, }
 Myrrh, }
 Cinchona, four pounds.
 Saffron, } of each, one
 Sulphate of Iron, calcined } pound.
 to whiteness, }
 Opium, two pounds.
 Honey of Elder, six pounds.
 Honey, forty-eight pounds.

Despumate the honey with a sufficient quantity of wine, add the honey of elder, then the saffron and the calcined sulphate,

then the opium dissolved in wine, and finally incorporate the powder. (HISP.)

Each dram contains two grains of opium.

- R. Root of Angelica, six ounces.
 ——— Serpentaria, four ounces.
 ——— Valerian, } of each,
 ——— Squill, } two ounces.
 ——— Zedoary, }
 ——— Cinnamon, }
 Lesser Cardamoms, }
 Myrrh, }
 Saffron, } of each,
 Cloves, } one ounce.
 Sulphate of Iron, }
 Opium, }
 Despumated Honey, six pounds.

To the honey slightly warmed add the opium dissolved in a sufficient quantity of Malaga wine; then incorporate the other pulverized ingredients. (HANN.; OLDEN.; POL.; BORUS.; FEE; NIEMANN)

- R. Serpentaria, } of each,
 Conrayerva, } six ounces.
 Angelica, }
 Valerian, } of each, four ounces.
 Sweet Flag, }
 Gentian, }
 Zedoary, }
 Cardamoms, }
 Myrrh, } of each, two ounces.
 Mace, }
 Opium, dissolved in Spanish Wine, }
 Rob of Elder, } nineteen drams.
 ——— Juniper, } eighty ounces.
 Simple Syrup, } forty ounces.
 ——— } two pounds.

Mix. (ROSS.)

- R. Root of Angelica, six ounces.
 ——— Serpentaria, four ounces.
 ——— Squill, } of each, two ounces.
 ——— Valerian, }
 Cinnamon, }
 Lesser Cardamoms, }
 Myrrh, } of each,
 Saffron, } one ounce.
 Cloves, }
 Sulphate of Iron, }
 Opium, }
 Despumated Honey, six pounds.

Heat the honey a little, add the opium dissolved in Spanish wine, and lastly the other substances, in powder. (DAN.)

Each ounce contains about five grains of opium.

- R. Root of Angelica, eight ounces.
 ——— Gentian, six ounces.
 ——— Valerian, three ounces.
 ——— Zedoary, } of each,
 Lesser Cardamoms, } two ounces.

- Saffron, }
 Extract of Liquorice, } of each,
 Myrrh, } one ounce.
 Opium, }
 Honey, } seventy-five ounces.

Dissolve the extract, myrrh, and opium in Spanish wine, heat this liquor with the honey, and add the other ingredients in powder, constantly stirring. (FERR.; SUEC.; SWEDIAUR)

- R. Root of Angelica, six parts.
 ——— Serpentaria, four parts.
 ——— Squill, }
 ——— Zedoary, } of each, one part.
 Cinnamon, }
 Lesser Cardamoms, }
 Myrrh, }
 Saffron, }
 Cloves, }

Incorporate these with

- Honey, twelve parts.
 At the time of prescription, add to each ounce
 Tincture of Opium, half a dram.
 Mix. (SAX.)

- R. Hard Opium, in powder, one part.
 Wine, four parts.
 Macerate for two days in a covered vessel;
 then add

Despumated Honey, seventy-two parts.
 Mix, and add, constantly stirring, a powder composed of

- Myrrh, }
 Saffron, } of each,
 Proto-sulphate of Iron, } one part.
 Cloves, }
 Lesser Cardamoms, } of each,
 Root of Valerian, } two parts.
 ——— Ginger, }
 ——— Angelica, } of each,
 ——— Gentian, } six parts.

Mix. (BAVAR.)

- R. Aromatic Powder, composed of
 one part of Pichurim Bean, one
 of Lesser Cardamoms, and one
 half part of Cinnamon, six ounces.
 Opium, dissolved in wine, three drams.
 Powdered Serpentaria, three ounces.
 Despumated Honey,
 a sufficient quantity.

Mix. (LUSIT.)

- R. Nutmegs, } of each,
 Lesser Cardamoms, } two ounces.
 Ginger, }
 Serpentaria, } three ounces.
 Opium, dissolved in Spanish Wine, }
 three drams.

Despumated Honey,
 thrice the weight of the powders.

Mix. (WIRTEM.)

Confectio Opii. (LOND.; DUBL.; NIEMANN)

- R. Opium, in powder, six drams.
 Long Pepper, one dram.
 Ginger, two ounces.
 Caraway Seeds, three ounces.
 Simple Syrup, one pint.

Triturate the opium with the syrup made hot, then add the other ingredients reduced to powder, and mix.

Electuarium opiatum, olim Elect. thebaicum. (EDINB.; COXE)

- R. Aromatic Powder, six ounces.
 Root of *Serpentaria*, in powder, three ounces.
 Opium, mixed with a sufficient quantity of Spanish White Wine, half an ounce.
 Syrup of Ginger, one pound.

Mix, and make an electuary.

BATAV.; and BELG. give the same formula, but require despumated honey instead of syrup.

- R. Aromatic Powder, composed of two parts of Cinnamon, and one part each, of Lesser Cardamoms, of Ginger, and of Long Pepper, six ounces.
Serpentaria, three ounces.
 Opium, dissolved in Spanish Wine, three drams.
 Despumated Honey, thrice the weight of the powders.

Mix. (GENEV.)

- R. Cinnamon, } of each,
 Nutmeg, } one ounce and
 Lesser Cardamoms, } a half.
 Ginger, }
Serpentaria, three ounces.
 Opium, dissolved in Spanish Wine, three drams.
 Despumated Honey, twenty-eight ounces.

Incorporate. (AMST.)

For a long time Venice engrossed the supplying of all Europe with theriac; it was prepared there every year with great ceremony: but at the present day the apothecaries of every country are required to make it according to the process indicated in its proper authorized pharmacopœias, excepting however those of Spain, in which country every branch of medical science is in nearly the same state as it was in the middle ages:

VOL. II.

it is there allowed to be prepared only at Madrid, before the assembled royal college of medicine.

This electuary occupies a distinguished place among the other disgusting substances and absurd preparations which crowd the Spanish pharmacopœia, in which Galenism and Arabicism seem to have sought their last refuge. After that of Spain, the French pharmacopœia is the only one where a reforming hand is withheld from clearing away the rubbish of oriental medicine; for those of the Palatinate and of Wirtemburgh are no longer of authority, though they have not yet been replaced. In every other country theriac has more or less undergone happy modifications; it has even disappeared totally from some dispensaries, which shows that it has ceased to be employed in the practice of the physicians of the countries to which they belong.

Nothing can be more contradictory than the opinions which have been entertained with regard to theriac. According to some, it should be respected on account of its antiquity, and should interest us from its having been held in esteem for so great a length of time; according to others, it is a monstrous farrago which is a disgrace to medicine. To the former we say, that long empire does not authorize usurpation; that folly with grey hairs, is no more to be preferred to reason than when possessing all the grace and freshness of youth; and lastly, that they themselves, to be consistent, should have kept to ANDROMACH'S original formula, which was itself sufficiently voluminous and did not require to be still more enlarged. To the latter we say, that there is, undoubtedly, truth in their opinion, but there is also exaggeration, for the theriac scarcely exceeds in complication many other officinal preparations which have not yet lost all credit; and, with regard to absurdity, a greater or less degree of it does not alter its ridiculousness.

In the year 1826 twelve of the twenty-one hospitals of Paris consumed sixty-two pounds of theriac, though the other nine establishments used none; and it has been thought proper to be introduced into the formulary of the military hospitals of France. From this it may reasonably be imagined that it will not immediately be erased from the French pharmacopœia; but it might be, it ought to be simplified, after the example of the surrounding countries. In doing this, two methods might be adopted; to combine opium with stimulants alone, or with stimulants and astringents at the same time. The latter method, although proposed with reference to the composition of the original formula, reduces the theriac to diascordium and its

modern derivatives: but if the other deserves to be preferred, what would be the use of being burthened with a preparation of which we already have the equivalent in SYDENHAM'S laudanum, the employment of which is daily becoming more and more limited in proportion as the modern discoveries in the chemical composition of opium come to be adopted in medical practice.

It has been said that the ancient theriac was of greater efficacy than the modern; but the French pharmacopœia, in saying that it has ascertained by analysis that there is no difference between them, we may properly appreciate the effect of the fermentation which has been so much extolled as a means of perfecting the preparation: this effect can scarcely be more than the production of alcohol, or at most of acetic acid.

Dose, from a scruple to two or three drams, alone or in wine.

Theriacal Extract.

Extractum theriacale. (SAUNDERS)

R. Theriac, any quantity.
Alcohol, a sufficient quantity

to cover it by three fingers' breadth. Digest for three days, then decant the alcohol and express the rest; mix the two liquors, and evaporate them in a water-bath to the consistence of an extract.

According to GUILBERT, the alcohol takes up from the theriac, volatile oil, resin, turpentine, balsam, and a green oil. This analysis is evidently very incomplete.

Simple Theriacal Water.

Aqua theriacalis simplex. (FERR.; BRUGNATELLI)

R. Theriac, one ounce.
Pure Water, four ounces.

Distil three pounds at a moderate heat. (BRUGNATELLI)

FERR. prescribes one ounce of theriac and four pounds of juice of sour grapes.

This water is reputed alexipharmic, stomachic, carminative, and vermifuge.—It is principally administered in the vermical disorders of children, by spoonfuls, alone or with other compounds.

Roman Theriacal Water.

Aqua theriacalis Romana seu Scordii composita seu theriacalis frigida. (PALAT.; SARD.)

R. Theriac, half a pound.

Juice of Galega,	}	of each, six pounds.
—— Sorrel,		
—— Scordium,		
—— Lemon,		

Digest for twenty-four hours, and distil. (PALAT.)

SARD. prescribes four pounds of scordium water, two of sorrel juice, two of galega juice, one and a half of lemon juice, and four ounces and a half of theriac.

It is for the same uses as the preceding.

Compound Theriacal Water. (WIRTEM.)

R. Theriac,	half a pound.	
Root of Angelica,	}	of each, one ounce.
—— Valerian,		
—— Carline Thistle,		
—— Masterwort,		
—— Zedoary,		
Herb of Scordium,	}	of each, one ounce and a half.
—— Rue,		
Fresh Lemon Peel,	two ounces.	
Juniper,	one ounce.	
Water,	ten pounds.	

Distil six pounds.

This does not differ from the compound spirit of angelica except by the absence of alcohol.

Theriacal Spirit. (BRUNS.; PALAT.; WIRTEM.; SPIELMANN)

R. Theriac, four ounces.
White Wine, sixty ounces.

Digest, and distil thirty ounces. (BRUNS.; WIRTEM.; SPIELMANN)

R. Concentrated Alcohol, ten ounces.
Theriac, five ounces.
Myrrh, two ounces and a half.
Saffron, half an ounce.

Digest for eight days; then distil in a water-bath, and add, if required, two drams of camphor. (PALAT.)

There is very little difference between this and the compound spirit of angelica.

Theriacal Essence or Tincture.

Essentia seu Tinctura theriacalis. (BRUNS.; SARD.; WIRTEM.; VAN MONS)

R. Theriac, one part.
Proof Spirit, three parts.

Infuse for several days, and filter. (VAN MONS)

SARD. prescribes one part of theriac and six parts of proof spirit.

R. Herb of Scordium,	}	of each, three drams.
—— Dittany of Crete,		
Root of Angelica,		
—— Sweet Flag,		
—— Serpentaria,		
Spikenard,		

Cinnamon, } of each, one
 Lesser Cardamoms, } dram and a half.
 Cloves, }
 Opium, } of each, one dram.
 Saffron, }
 Proof Spirit, one pound.

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

It is stimulant and stomachic.—Dose, from forty to sixty drops.—One ounce of this tincture contains about five grains of opium.

STOMACHIC PLASTER.

Emplastrum stomachicum. (SWEDIAUR)

R. Theriac, one or two ounces.
 Oil of Nutmeg, two drams.

Mix, and spread it upon leather having a margin of adhesive plaster.

It is recommended in cardialgia and spasmodic affections of the abdomen.

Scutum stomachicum. (PIERQUIN; SWEDIAUR)

R. Theriac, two ounces.
 Nutmeg, in powder, two drams.

Mix.—It is to be applied as the preceding. (SWEDIAUR)

R. Theriac, } of each,
 Powdered Maize, } a sufficient quantity.
 Opium, three grains.
 Camphor, two grains.

Mix. (PIERQUIN) — FOUQUET recommended it in colic, chronic vomiting, and spasmodic affections of the stomach.

ANTI-HÆMORRHOIDAL PLASTER. (PIERQUIN; SAINTE-MARIE)

R. Opium, ten grains.
 Theriac, two drams.

Mix. (PIERQUIN)

SAINTE-MARIE prescribes six drams of theriac and six grains of opium.—This plaster is to be applied to the umbilicus.—VALSALVA is said to have derived the happiest effects from it in arresting excessive hæmorrhoidal discharge.

ANTI-SPASMODIC AND TONIC APPLICATION. (PIERQUIN)

R. Theriac, two drams.
 Opium, }
 Camphor, } of each, six grains.

Mix.—To be applied to the epigastrium.

THERIACAL CATAPLASM.

Cataplasma Fermenti Panis theriacale seu ad Singultum. (HISP.; SAINTE-MARIE)

R. Yeast, three ounces.
 Theriac, half an ounce.
 Powdered Juniper, } of each,
 ——— Rose Petals, } two drams.
 ——— Mint, }
 Powdered Cloves, } of each,
 ——— Nutmeg, } one dram.
 ——— Mace, }
 Rose Vinegar, a sufficient quantity
 to make a cataplasm. (HISP.)

R. Theriac, two ounces.
 Anise, in powder, two drams.
 Oil of Cloves, eight drops.
 Spirit of Camphor, a sufficient quantity
 to mix the whole. (SAINTE-MARIE)

The former of these cataplasms has been recommended, applied to the region of the stomach, against hiccup. The second is recommended by ZIMMERMANN against the *clavus hystericus*.

DYSENTERIC ELECTUARY. (SPIELMANN)

R. Theriac, } of each, two ounces.
 Diascordium, }
 Gum Arabic, half an ounce.
 Armenian Bole, three ounces.

Mix.

By adding two ounces of LOCATELLI'S balsam, the *Balsamic Dysenteric Electuary* is obtained.

The first has been recommended in ordinary dysentery, and the latter in ulcerous dysentery.

ASTRINGENT ELECTUARY. (BORIES; CADET DE GASSICOURT; PIERQUIN)

R. Theriac, } of each, one ounce.
 Diascordium, }
 Distilled Water of Angelica, } of each,
 ——— Valerian, } one
 ——— Mint, } dram.
 Gum Tragacanth, half a dram.
 Syrup of Sulphate of Quinine,
 a sufficient quantity.

Mix.—It is astringent, and is extolled by BALLY in dysentery and chronic diarrhœa.—Dose, one dram, twice or thrice a day. (CADET DE GASSICOURT; PIERQUIN)

R. LOCATELLI'S Balsam, }
 Conserve of Roses, } of each,
 Theriac, } one ounce.
 Cold Seeds, }

Mix.—Dose, a tea-spoonful every four hours, in a glassful of infusion of milfoil. (BORIES)

THERIACAL MIXTURE. (RATIER)

- R. Theriac, one dram and a half.
 Gum Arabic, one dram.
 Water, six ounces.
 Simple Syrup, one ounce.

Mix.—To be taken by spoonfuls.

CORDIAL POTION. (BORIES; RATIER)

- R. Theriac, one dram.
 Infusion of Balm, seven ounces.
 Tincture of Cinnamon, two drams.
 Syrup of Clove Pink, one ounce.

Mix. (RATIER)

- R. Water of Mugwort, } of each,
 ——— Motherwort, } two
 ——— Orange Flowers, } ounces.
 Hordeated Cinnamon Water, half an ounce.
 Theriac, } of each,
 Confection of Hyacinth, } one scruple.
 Alkermes Confection, }
 Trochiscs of Myrrh, twenty-five grains.
 Mace, fifteen grains.
 Compound Tincture of Aloes, thirty drops.

Mix. (BORIES).—To be taken by spoonfuls.

TONIC POTION. (PIERQUIN)

- R. Theriac, one dram.
 Orange-flower Water, } of each,
 Water or Wine, } one ounce.

Mix.—For one dose.

ANTI-SPASMODIC POTION. (PIERQUIN)

- R. Theriac, one dram.
 Syrup of Poppies, six drams.
 HOFFMANN'S LIQUOR, } of each,
 Tincture of Amber, } twenty drops.
 Orange-flower Water, } of each,
 Water of Motherwort, } two ounces.
 ——— Rue, }

Mix.—To be taken by spoonfuls.

TRYPHERA MAGNA. (SPIELMANN)

- R. Opium, two ounces.
 Cinnamon, }
 Cloves, }
 Galanga, }
 Spikenard, }
 Ginger, }
 Arabian Costus, }
 Storax, } of each,
 Sweet Flag, } one ounce.
 Round Cyperus, }
 Florentine Iris, }
 German Iris, }
 Sulphurwort, }
 Mandrake, }
 Lavender, }
 Roses, }

- Pepper,
 Anise,
 Smallage,
 Fennel,
 Macedonian Parsley,
 Carrot,
 Sweet Basil,
- } of each,
 one ounce.

Pulverize all these substances, and incorporate them with

Honey, a sufficient quantity.

This anodyne electuary was prescribed by GALEN; it differs very little from theriac.

ORVIETANUM. (WIRTEM.)

- R. Root of Long Birthwort,
 ——— Round Birthwort,
 ——— Angelica,
 ——— Bistort,
 ——— Carline Thistle,
 ——— Contrayerva,
 ——— Fraxinella,
 ——— Gentian,
 ——— Masterwort,
 ——— Cinquefoil,
 ——— Serpentaria,
 ——— Tormentil,
 ——— Valerian,
 ——— Zedoary,
 Leaves of Blessed Thistle,
 ——— Pennyroyal,
 ——— Rue,
 ——— Savine,
 ——— Scordium,
 ——— Scabious,
 Flowers of St. John's-wort,
 Orange Peel,
 Lemon Peel,
 Cinnamon,
 Dried Viper, two ounces.
- } of each,
 one ounce.

Incorporate these, powdered, with

- Rob of Juniper, } of each,
 Despumated Honey, } three pounds.

Having well mixed, add

- Theriac, } of each, two ounces.
 Mithridate, }
 Oil of Rue, }
 ——— Amber, } of each,
 ——— Cloves, } one scruple.
 ——— Juniper, }

Mix intimately.

This electuary is said to have been invented by JEROME FERRANTE of Orvieto, whose name it bears. Although it is better adapted than the two preceding to please the tastes and fancies of empirics, yet it is now totally forgotten; it differs from the preceding ones in its scarcely containing any opium. It may be said to be to the theriac, what the Japanese confection is to diascordium; the principal is

masked, and almost entirely nullified by the accessories.

Dose, from two drams to half an ounce.

SPECIES OF DIASCORDIUM.

Pulvis seu Species Diascordii. (SARD.)

- R. Dried Leaves of Scordium, one ounce and a half.
 Petals of Red Roses, one ounce.
 Armenian Bole, two ounces.
 Cassia Lignea, } of each,
 Leaves of Dittany of Crete, } half
 Galbanum, } an ounce.
 Storax, }
 Root of Bistort, } of each, five drams.
 ——— Gentian, }
 Gum Arabic, }
 Opium, two drams.
 Pulverize, and pass through a sieve.

DIASCORDIUM.

Diascordium, Electuarium diascordium seu e Scordio seu Scordii seu Scordii opiatum seu Fracastoris seu Mimosa Catechu compositum seu compositum Catechu, Confectio Japonica seu Diascordii, Conditum catechucicum. (DUBL.; EDINB.; AMST.; ANT.; BATAV.; BELG.; BRUNS.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; GENÈV.; LIPP.; LUSIT.; PALAT.; SARD.; SUEC.; WIRTEM.; AUGUSTIN.; BRUGNATELLI.; CADET DE GASSICOURT.; COXE.; SPIELMANN.; SWEDIAUR.; VAN MONS.)

1. Without Catechu.

- R. Root of Bistort, } of each,
 ——— Tormentil, } half
 ——— Gentian, } an ounce.
 Herb of Dittany of Crete, }
 ——— Scordium, one ounce.
 Seeds of Sorrel, one dram and a half.
 Cinnamon, } of each,
 Cassia Lignea, } half an ounce.
 Long Pepper, } of each, two drams.
 Ginger, }
 Opium, one dram and a half.
 Gum Arabic, }
 Galbanum, } of each, half an ounce.
 Storax, }
 Armenian Bole, one ounce and a half.
 Lemnian Bole, half an ounce.
 Conserve of Red Roses, one pound.
 Despumated Honey, thirty ounces.

Dissolve the opium, gum arabic, and galbanum in three ounces of white wine, mix the solution with the honey, add the hard substances in powder, and finally incorporate the conserve. (BRUNS.; PALAT.; SARD.; WIRTEM.; SPIELMANN.)

- R. Leaves of Scordium, one ounce and a half.

- Red Roses, }
 Root of Bistort, }
 ——— Gentian, } of each,
 ——— Tormentil, } half an ounce.
 Seeds of Barberries, }
 Cassia Lignea, }
 Cinnamon, }
 Dittany of Crete, }
 Storax, }
 Galbanum, }
 Gum Arabic, }
 Ginger, } of each,
 Long Pepper, } two drams.
 Vinous Extract of Opium, }
 Prepared Oriental Bole, two ounces.
 Spanish Wine, about half a pound.
 Honey of Roses, two pounds.

Dissolve the galbanum in a small quantity of the wine, and the honey in the rest of it; then add the powders gradually. (GALL.; CADET DE GASSICOURT.)

- R. Root of Bistort, } of each,
 ——— Gentian, } two parts.
 ——— Tormentil, }
 ——— Ginger, one part.
 Cinnamon, four parts.
 Herb of Dittany of Crete, two parts.
 Dried Leaves of Scordium, six parts.
 Petals of Red Roses, three parts.
 Long Pepper, one part.
 Seeds of Barberries, }
 Gum Arabic, } of each,
 Galbanum, } two parts.
 Balsam of Peru, }
 Opium, one part.
 Armenian Bole, eight parts.
 Spanish Wine, thirty parts.
 Honey, one hundred and twenty-five parts.

Make an electuary. (FORM. HÔP. FR.)

- R. Ginger, }
 Gentian, }
 Tormentil, } of each, one dram.
 Dittany of Crete, }
 Mastic, }
 Armenian Bole, }
 Opium, two drams.
 Cinnamon, three drams.
 Leaves of Scordium, } of each,
 Petals of Red Roses, } six drams.
 Honey of Roses, twenty-four ounces.

Mix the powders with the honey. (HISP.)

- R. Ginger, }
 Opium, } of each, one part.
 Long Pepper, }
 Gentian, } of each, two parts.
 Storax, }
 Cinnamon, }
 Dittany of Crete, }
 Gum Arabic, } of each, four parts.
 Red Roses, }
 Scordium, }
 Tormentil, }

Armenian Bole, eight parts.
Honey, one hundred and twenty parts.

Triturate the opium with Spanish wine, and emulsionize the liquor with the storax and gum; then add a little honey, then the powders mixed together, and finally the rest of the honey: heat slightly and stir till cold. (VAN MONS)

R. Gentian, seven drams and a half.
Cinnamon, seven drams.
Opium, three drams.
White Wine, six ounces.

Digest for some days, strain with slight expression, and add to the liquor

Powdered Herb of Scordium, three ounces.
Despumated Honey, twenty ounces.

Mix. (LIPP.)

2. With Catechu.

Electuarium Catechu compositum.

R. Extract of Catechu, four ounces.
Kino, three ounces.
Cinnamon, } of each,
Nutmegs, } one ounce.
Opium, triturated with a sufficient quantity of Spanish White Wine,

one dram and a half.
Syrup of Red Roses, boiled to the consistence of Honey, two pounds and a quarter.

Reduce the solid ingredients to powder; then mix them with the others, and form an electuary. (EDINB.)

R. Catechu, four ounces.
Cinnamon, two ounces.
Kino, three ounces.

Reduce these to powder, and add Hard Purified Opium, mixed with Spanish White Wine, one dram and a half.

Syrup of Ginger, boiled to the consistence of Honey, two pounds and a quarter.

Mix. (DUBL.)

ANT.; BATAV.; BELG.; LUSIT.; COXE; CADET DE GASSICOURT; HENRI; and SWEDIAUR give the same formula as EDINB.

R. Cinnamon, } of each, half an ounce.
Long Pepper, }
Catechu, four ounces.
Herb of Scordium, } of each,
Root of Tormentil, } two ounces.
Gentian, }

Pulverize, mix, and add

Opium, diffused in wine, five drams.
Honey, two pounds and a half.
Spanish Wine, a sufficient quantity

to make an electuary. (BRUGNATELLI)

R. Catechu, three ounces.
Root of Tormentil, } of each,
Nutmegs, } two ounces.
Olibanum, }
Opium, dissolved in Spanish Wine, one dram and a half.

Syrup of Orange Peel, a sufficient quantity.

Mix. (GENEV.)

R. Leaves of Scordium, } of each,
Catechu, } two ounces.
Root of Tormentil, }
Nutmegs, } of each,
Cinnamon, } one ounce.
Gum Arabic, }
Opium, dissolved in Spanish Wine, one dram and a half.

Honey of Roses, twenty-eight ounces.

Mix the opium with the honey, and incorporate the other substances reduced to fine powder. (AMST.)

R. Herb of Scordium, three ounces.
Catechu, } of each,
Pichurim Bean, } two ounces.
Root of Tormentil, }
Opium, one dram and a half.
Honey, twenty-eight ounces.

Triturate the opium with Spanish wine, add the honey rather warm, and incorporate the mixture with the other ingredients in powder. (SUEC.; FEE)

R. Catechu, three ounces.
Root of Tormentil, } of each,
Nutmegs, } two ounces.
Olibanum, }
Opium, half a dram.
Syrup of Roses, a sufficient quantity.

Make an electuary. (AUGUSTIN)

R. Leaves of Scordium, } of each,
Catechu, } three ounces.
Cinnamon, } of each,
Root of Tormentil, } two ounces.
Opium, two drams.
Honey, twenty-eight ounces.
Spanish Wine, a sufficient quantity.

Mix. (FERR.)

This preparation is reputed sudorific, alexipharmic, anodyne, and styptic. It is principally prescribed in diarrhœa and dysentery, in the dose of one, two, or three drams. Its activity depends more upon the astringent substances which it contains than upon the opium.

ASTRINGENT ELECTUARY. (SAUNDERS)

R. Diascordium, } of each, six drams.
Dragon's Blood, }

Alum, }
 Catechu, } of each, two drams.
 Cinnamon, }
 Simple Syrup, } a sufficient quantity
 to make an electuary.

ASTRINGENT OPIATE WINE. (FORM. HÖP. FR.)

R. Diascordium, one part.
 Red Wine, twenty-five parts.
 Digest.

ASTRINGENT LAVEMENT. (BRERA)

R. Infusion of Chamomile, four ounces.
 Yolks of Eggs, two.
 Diascordium, one dram.

Mix.—To be exhibited in passive alvine discharges, emesis, gastrodynia, and spasmodic colic.

ANTI-EMETIC PILLS. (PIERQUIN)

R. Powdered Mint, two drams.
 Wormwood, two scruples.
 Pomegranate Flowers, one scruple.
 Oil of Cinnamon, two drops.
 Diascordium, one dram.
 Syrup of Quince, a sufficient quantity
 to make a pilular mass.—Dose, ten grains, thrice a day.

ASTRINGENT MIXTURE.

Julapium sistens, Mixtura sistens seu Opii adstringens Sanguinis seu ad Vomitum Sanguinis. (HISP.; SAUNDERS)

R. Compound Electuary of Catechu (Form. of EDINB.), three drams.
 Tincture of Opium, forty drops.
 White Sugar, half an ounce.
 Alexiterious Water, four ounces.
 Spirituous Cinnamon Water, two ounces.

Mix. (SARD.)

The two following formulæ should be placed here, although they do not contain the preparation in question :

R. Syrup of Poppies, one ounce.
 Water of Red Poppies, seven ounces.
 Catechu, one dram and a half.
 SYDENHAM'S Laudanum, twenty drops.

Mix. (SAUNDERS)

R. Distilled Water, two ounces and a half.
 Vinegar, half an ounce.
 Opium, two grains.

Mix perfectly, and add

Powdered Red Coral, half a dram.
 Catechu, half a scruple.
 Simple Syrup, one ounce.

Mix. (HISP.)

THERIACA CELESTIS HOFFMANNI. (BRUNS.; SPIELMANN)

R. Extract of the Root of Angelica, Round
 Birthwort, Con-
 trayerva, Eli-
 campane, Gen-
 tian, Tor-
 mentil, Vale-
 rian, Swal-
 low-wort, Echi-
 um Vulgare, Zedo-
 ary, }
 Leaves of Blessed Thistle, }
 Lesser Centaury, }
 Scordium, }
 Extract of Opium, one ounce.
 Resin of Cascarilla, } of each
 Labdanum, } one dram.
 Storax, three drams.
 Myrrh, half an ounce.
 Galbanum, }
 Mastic, } of each, three drams.
 Opoponax, }
 Guaiac Resin, }
 Saffron, } of each, one dram.
 Castor, half a dram.
 Powdered Viper, } of each,
 Volatile Salt of Hartshorn, } one dram
 Amber, } and a half.
 Camphor, } of each, one scruple.
 Ambergris, }
 Balsam of Peru, three drams.
 Essential Oil of Cloves, }
 Lemon, } of each,
 Juniper, } twelve
 Amber, } drops.
 Cardamoms, }
 Cinnamon, } of each,
 Cubebs, } two
 Mace, } scruples.
 Nutmegs, } pl.

Pulverize the hard substances, and triturate together the resins and balsams in a mortar heated in a water-bath; then add the extracts, the volatile salts in powder, and finally the essential oil. (BRUNS.)

R. Myrrh, half an ounce.

Galbanum, } Mastic, } Opoanax, }	of each, two scruples.
Storax, } Extract of Blessed Thistle, }	three drams.
Lesser Centaury, } Scordium, } Tormentil, }	of each, half an ounce.
Contrainervia, } Angelica, } Opium, }	six drams.
Saffron, } Swallow-wort, } Valerian, } Gentian, }	of each, three drams.
Round Birthwort, }	
Resin of Aloe Wood, } Guaiac, } Labdanum, }	of each, one dram.
Deutoxide of Antimony, } Cinnabar, } Prepared Amber, }	of each, half an ounce.
Powdered Viper, } Essential Salt of Amber, }	of each, one dram
Harts- horn, }	and a half.
Oil of Cinnamon, } Zedoary, } Cardamoms, }	of each, twelve drops.
Cubebs, } Mace, } Cloves, }	
Juniper, } Lemon, }	
Expressed Oil of Nutmeg, }	of each, three drams.
Balsam of Peru, } Camphor, } Ambergris, }	of each, one scruple.

MIX. (SPIELMANN)

This differs principally from the theriac by the absence of sugar and by the presence of salts susceptible of re-action upon those of the opium. Each dram contains about four grains of opium. It has been extolled as anodyne and antiseptic, in the dose of from two to twenty-four grains, in pills.

PHILONIUM ROMANUM.

Electuarium Hyoscyami opiatum. (HISP.; PALAT.; WIRTEM.; SPIELMANN)

R. White Pepper, } Opium, }	five drams. two drams and a half.
Cassia Lignea, } Seeds of White Henbane, }	one dram and a half. five drams.
Smallage, } Macedonian } Parsley, }	one dram. of each, forty-five grains.
Fennel, } Cretan Carrot, }	
Saffron, } Spikenard, } Pyrethrum, }	one scruple. of each, fifteen grains.
Zedoary, }	

Cinnamon, } Euphorbium, }	one dram and a half.
Myrrh, } Castor, }	of each, one dram.
Honey, }	eight ounces four drams and a half.

MIX. (PALAT.; WIRTEM.)

R. Root of Pyrethrum, } Zedoary, } Doronica, }	of each, one ounce.
Pomegranate Flowers, } White Pepper, }	of each, twenty ounces.
Seeds of White Hen- bane, }	ten ounces.
Opium, } Euphorbium, }	of each, one ounce.
Castor, } Pearls, }	five ounces.
Saffron, } Honey, }	thirty ounces.

MIX. (SPIELMANN)

R. Seeds of Henbane, } Anise, } Fennel, }	of each, six drams.
Myrrh, } Castor, }	five drams.
Opium, } Cinnamon, }	one ounce. two drams.
Saffron, } Chamomile Flowers, }	three drams.
Despumated Honey, }	two pounds.

MIX. (HISP.)

Each dram contains more than one grain and a half of opium and four grains of henbane. It is sedative, anodyne, and somniferous; it is principally recommended in flatulent colic, violent cough, and convulsions. — Dose, from half a dram, to one dram. It is also prescribed in lavements.

REQUIES NICOLAI.

Electuarium Requies Nicolai. (PALAT.; WIRTEM.; SPIELMANN; VAN MONS)

R. Petals of Red Roses, } Violets, }	of each, two drams.
Opium, } Seeds of Henbane, }	of each, one dram and a half.
White Poppy, } Endive, }	
Lettuce, } Purslane, }	
Fleeseed, }	
Bark of Mandrake Root, } Nutmegs, }	one dram.
Cinnamon, } Ginger, }	
Sugar Candy, } White Sanders, }	of each, two
Red Sanders, } Ivory burnt to whiteness, }	scruples
Gum Tragacanth, } Sugar, }	five grains. ten ounces.

Mix with rose water. (PALAT.)

- R. Petals of Red Roses, } of each,
 ————— Violets, } six drams.
 Seeds of White Henbane, } of each,
 ————— Poppy, } half
 ————— Lettuce, } an ounce.
 ————— Fleeseed, }
 Bark of Mandrake Root, } of each,
 Nutmegs, } three
 Cinnamon, } drams.
 Ginger, }
 Purified Opium, } of each,
 White Sanders, } two drams.
 Red Sanders, }
 Gum Tragacanth, }
 Ivory, burnt to whiteness, }
 White Sugar, } twenty ounces.

Dissolve the opium in three ounces of white wine, add the powders, and incorporate the sugar, dissolved in ten ounces of rose water. (WIRTEM.)

- R. Root of Mandrake, }
 Petals of Roses, }
 ————— Violets, }
 Seeds of Henbane, } of each,
 ————— Poppies, } one ounce and
 ————— Endive, } a half.
 ————— Lettuce, }
 ————— Purslane, }
 ————— Fleeseed, }
 Opium, }
 Nutmegs, } of each,
 Cinnamon, } six drams.
 Ginger, }
 White Sanders, }
 Red Sanders, }
 Ivory, burnt to whiteness, }
 Gum Tragacanth, }

- Sugar Candy, } one ounce.
 Rose Julep, } twenty-four ounces.

Mix. (SPIELMANN)

- R. Gum Arabic, } of each, two drams.
 Opium, }
 Ginger, } of each, three drams.
 Nutmegs, }
 Cinnamon, } six drams.
 Red Roses, } fourteen drams.
 Seeds of White Poppy, } eighteen drams.
 Honey, } fourteen ounces.

Mix the powdered gum and seeds with the opium; then triturate the whole with the honey, adding the other powders mixed together. (VAN MONS)

- R. Honey, } forty-eight parts.
 Seeds of Anise, } of each,
 Subcarbonate of Lime, } eight parts.
 Opium, } one part.
 Cinnamon, } of each,
 Nutmegs, } twenty-five parts.

Triturate the opium with the subcarbonate till it is reduced to powder, then add the other ingredients in powder, and finally incorporate the honey. (VAN MONS)

It is rather remarkable that no other virtue has ever been attributed to this electuary than that of being sedative and soporific. It is nearly disused at the present day, though it formerly enjoyed a great celebrity. It used particularly to be given to children as an emetic; and it used also to be applied to the temples.—Dose, from half a dram to two drams and a half.—Each ounce, in the formula of WIRTEM., contains five grains of opium.

OPOPONAX.

SYNONIMES:—*Gummi Panacis*.—Opopanax, FR.; Heilwurzgummi, Opopanaxharz; Panaxgummi, Opopanax gummi, GERM.; Panaxgummi, DAN.; Opopanax, PORT.; and SPAN.

LOND.; DUBL.; AMST.; ANT.; BATAV.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; GENEV.; HANN.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; SAX.; WIRTEM.; HERBIP.; BERGIUS; BRUGNATELLI; COXE; GUIBOUT; MURRAY and GMELIN; SPIELMANN; ZARDA.

This gum resin is in irregular pieces, seldom in tears, of a reddish-yellow colour externally, and of a dull white varied with red and yellow internally; it is opaque, dry, and friable. It has a rather strong, aromatic, but not very agreeable odour, and an acrid and warm taste.

VOL. II.

It is the inspissated milky juice which is obtained from incisions made in the root of the *Pastinaca Opoponax*, LINN.; a plant of the south of Europe and of the East Indies. (Fig. Gouan, *Illustr.* t. 13 and 14). But it is only yielded by the plant which grows in the east, from whence it comes to us by Syria.

It contains, according to PELLETIER, resin, gum, and a little starch.

It is excitant.—Dose, from a scruple to half a dram.

DETERGENT FOMENTATION. (BRERA)

- R. Root of Round Birthwort, } of each,
 ————— Long Birthwort, } half
 ————— Florentine Iris, } an ounce.
 Opoponax, } of each, two drams.
 Sagapenum, }
 Guaiac, } four scruples.

2 T

Cloves, two drams.
Camphor, three drams.
Proof Spirit, ten ounces.

Strain after twenty-four hours' infusion.

It is recommended to be applied to sordid syphilitic ulcers.

ANTHELMINTIC EMULSION. (BORIS)
R. Opoponax, } of each, one dram.
Venetian Soap, }
Yolk of Egg, } two drams.
Syrup of Mugwort, one ounce and a half.
Distilled Fennel Water, three ounces.
Mix.—Dose, a tea-spoonful every hour.

ORIGANUM.

Four species of this genus of plants are employed.

1. *Origanum Dictamnus*, LINN.—Dittany of Crete, Cretan Dittany, Dictamnus of Candia.

SYNONIMES:—Dictame, Dictame de Crète, FR.; Cretischer Diptam, GERM.; Krets-ky Dyptam, BOHEM.

ANT.; BRUNS.; HISP.; FERR.; FORM. HÔP. FR.; HERBIP.; BERGIUS.; GUIBOURT.; SPIELMANN.; ZARDA.

A small shrub of Crete. (*Didymia Gymnospermia*, LINN.; *Labiate*, JUSS.; Fig. Zorn, Ic. pl. t. 542)

The herb (*Herba seu Folia Dictamni Cre-tici*) is employed. It consists of a branching, reddish, hairy stem, furnished with leaves, the lower ones of which are oval, rounded, petiolated, whitish, and cottony; and the upper, rounded, sessile, glabrous, frequently reddish, and covered with numerous glandular points. It has a strong and balsamic odour, and an aromatic and bitterish taste.

It is stimulant, and used to be esteemed emmenagogue.

OIL OF DITTANY OF CRETE.

Oleum Dictamni athereum, Ætheroleum Dictamni. (SWEDIAUR)

R. Leaves of Dittany, one part.
Water, four parts.
Distil.

SYRUP OF DITTANY.

Syrupus de Ditanno. (GALL.)

R. Dried Tops of Dittany of Crete, one ounce.
Distilled Water of Dittany of Crete, two pounds.

Digest in a water-bath for two hours in a covered vessel; then strain and filter. Add,

White Sugar, twice the weight,
and make a syrup in a water-bath.

2. *Origanum Marjorana*, LINN.; ἀμάρικον.
—Marjoram, Sweet Marjoram.

SYNONIMES:—Marjolaine, FR.; Mayran, Majoran, GERM.; Mirzunjach, ARAB.; Maryanka, BOHEM.; Merian, Mairan, DAN.; Murwa, DUK.; Meiorana, SPAN.; Mariolein, DUT.; Maggioreana, ITAL.; Majeran, POL.; Mangerona, PORT.; Mejr-ram, SWED.; Marru, TAM.

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

A plant common in Europe. (Fig. Zorn, Ic. pl. t. 81)

The tops (*Herba et Flores Majorane seu Amaraci seu Sampsuchi*) are employed. They are composed of a quadrangular stem, furnished with oval, cottony, whitish leaves, and with white flowers disposed in short, rounded spikes, which, standing in threes or fours, form a kind of head. It has an agreeable odour, and an aromatic, acrid, and bitterish taste.

It is stimulant and errhine.

CONSERVE OF MARJORAM. (SARD.; WIRTEM.)

R. Herb of Marjoram, one part.
Sugar, two parts.
Beat together. (WIRTEM.)

SARD. prescribes an equal part of each.

DISTILLED WATER OF MARJORAM. (AMST.; BATAV.; PALAT.; SAX.; SARD.; WUR-CEB.)

R. Herb of Marjoram, one part.
Water, four parts.

Distil one half, and re-distil with fresh herb. (PALAT.; SARD.)

AMST.; and BATAV. prescribe one part of herb and a sufficient quantity of water; ten parts to be distilled.—WURCEB.—one of herb and six of water.—SAX.—one of herb and fifteen of water; two-thirds to be distilled.

Dose, from two to four ounces.

ESSENTIAL OIL OF MARJORAM. (EDINB.; BAVAR.; BRUNS.; DAN.; FULD.; HANN.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; SAX.; SARD.; WIRTEM.; HERBIP.; SWEDIAUR)

R. Flowering Herb of Marjoram, } of each,
any quantity, }
Water, a sufficient quantity, }
Distil, and separate the oil. (EDINB.)

FULD.; and LIPP. prescribe one part of herb and three parts of water.—SWEDIAUR—one of oil and four of water.—DAN.—one of herb and six of water.—HANN.; OLDEN.; POL.; BORUS.; and SAX.—one of herb and eight of water.—BAVAR.—one of herb and nine of water.

R. Herb of Marjoram, twenty-five parts.
Water, seventy-five parts.
Muriate of Soda, three parts.
Macerate for three days, and distil. (BRUNS.; PALAT.; SARD.; WIRTEM.)

R. Herb of Marjoram, any quantity.
Distilled Water of Marjoram, a sufficient quantity.
Distil. (HERBIP.)

BALSAM OF MARJORAM. (WIRTEM.; SPIELMANN)

R. Essential Oil of Marjoram, one dram.
Nutmeg, two drams and a half.

Mix. (WIRTEM.)

SPIELMANN prescribes an equal part of each.

BUTTER OF MARJORAM.

Butyrum seu Unguentum Majoranae. (BRUNS.; DAN.; FULD.; HANN.; HASS.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; SAX.; WIRTEM.; PIDERIT; SPIELMANN; VAN MONS)

R. Fresh Herb of Marjoram, } of each, an
— Butter, } equal part.

Beat together, boil slowly to the consumption of the humidity, and express. (HASS.; SAX.; PIDERIT; SPIELMANN)

HANN.; OLDEN.; and BORUS. prescribe one part of herb and two parts of lard.

R. Fresh Herb of Marjoram, } of each,
— Butter, } one pound.

Boil to the consumption of the humidity, strain, and add

Essential Oil of Marjoram, thirty drops.

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

R. Fresh Butter, three parts.
— Herb of Marjoram, one part.

Digest for twelve hours in warm ashes; then express, and wash the product in warm water; then melt, decant, and stir till cold. (VAN MONS)

R. Fresh Butter, one ounce.
Distilled Water of Marjoram, two drams.

Triturate together; then melt over a slow fire, pour off the butter, and triturate it with

Essential Oil of Marjoram, eight drops.

Mix. (FULD.)

R. Fresh Butter, one dram.
Essential Oil of Marjoram, two drops.

Triturate together. (LIPP.)

POL. prescribes half an ounce of lard and ten drops of oil.

It is emollient, resolvent, and carminative.—To be used as a liniment.

OIL OF MARJORAM BY INFUSION.

Oleum Majoranae infusum. (BRUNS.; WIRTEM.; HERBIP.)

R. Fresh Herb of Marjoram, } of each,
Olive Oil, } one pound.

Macerate for several days; then boil over a very slow fire to the consumption of the humidity, and express. (BRUNS.; WIRTEM.)

HERBIP. prescribes one part of herb and two parts of oil.

3. *Origanum vulgare*, LINN.—Origanum, Wild Marjoram, Common Marjoram.

SYNONIMES.—Origan commun, FR.; Wohlgemuth, Gemeine Doste, Dostenkraut, GERM.; Dobra mysl, BOHEM.; Vild maviar, Tost, DAN.; Oregano, SPAN.; Wild majolyn, DUT.; Origano, ITAL.; Lebnotka, POL.; Ouregao, PORT.

LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HOP. FR.; GENEV.; HANN.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; WIRTEM.; HERBIP.;

BERGIUS; BRUGNATELLI; COXE; GUIBOURT; MURRAY and GMELIN; SPIELMANN; ZARDA.

A plant of Europe. (Fig. Zorn, *Ic. pl. t. 57*)

The tops (*Herba et Flores Origani vulgaris seu Cunila bulbula*) are employed. They consist of a slightly quadrangular pubescent stem, branching only at the superior part, furnished with oval, petiolated leaves, rather hairy underneath, and with purpurine flowers, disposed at the summit in short spikes, which, by their approximation, form a paniculated corymb. It has an aromatic and agreeable odour, and an acrid, warm, and distinct taste.

INFUSION OF WILD MARJORAM. (FORM. HÔP. FR.)

R. Dried Tops of Marjoram, } of each,
Grated Liquorice, } two drams
Boiling Water, a sufficient quantity } and a half.
to obtain two pounds of strained infusion.

ESSENTIAL OIL OF COMMON MARJORAM.

Oleum Origani æthereum, Ætheroleum Origani. (LOND.; DUBL.; AMER.; ANT.; AUSTR.; BRUNS.; DAN.; HANN.; OLDEN.; PALAT.; BORUS.; SARD.; SAX.; HERBIF.; WIRTEM.; COXE; SWEDIAUR)

Oleum Origani. (LOND.; DUBL.)

R. Flowering Tops of Marjoram, any quantity.
Water, a sufficient quantity
to prevent empyreuma.

AMER.; ROSS.; and COXE give the same formula.

SWEDIAUR prescribes one part of herb and four parts of water.—DAN.—one of herb and six of water.—HANN.; OLDEN.;

BORUS.; and SAX.—one of herb and eight of water.—AUSTR.—one of herb and twelve of water.—ANT.—six of herb and twenty of water.

R. Tops of Marjoram, twenty-five parts.
Water, seventy-five parts.
Muriate of Soda, three parts.

Distil. (BRUNS.; PALAT.; SARD.; WIRTEM.)

R. Tops of Marjoram, one part.
Distilled Water of Marjoram, twelve parts.

Distil four parts. (AUSTR.)

PALAT. prescribes one part of herb and four parts of water; two to be distilled.

4. *Origanum Creticum*, LINN.—Cretan Marjoram, Marjoram of Candia.

SYNONIMES:—Origan de Crète, FR.; Kelscher, Spanischer Dosten, Spanscher Hopfer, Candischer Majoran, GERM.; Ouregao de Creta, PORT.; Spanskhumle, SWED.

AMST.; ANT.; BRUNS.; GALL.; FENN.; FORM. HÔP. FR.; HANN.; HASS.; OLDEN.; BORUS.; SAX.; SUEC.; WIRTEM.; BERGIUS; GUIBOURT; MURRAY and GMELIN; PIDERIT; SPIELMANN.

A plant of Crete and of the south of Europe. (Fig. Dod. *Pempt. t. 284*)

The tops (*Spica seu Herba Origani Cretici*) are employed. They consist of reddish, hairy, branching stems, furnished with round, sessile, glabrous leaves, and purpurine flowers disposed in short sparse spikes. It has a strong, aromatic, and agreeable odour, and an aromatic and warm taste.

This plant may be used indiscriminately with the preceding. They are both stimulant, nervine, and carminative: an infusion of them is applied externally.

OROBANCHE VIRGINIANA.—VIRGINIAN BROOM-RAPE, BEECH DROPS, OR CANCER ROOT.

SYNONIME:—Orobanché de Virginie, FR.
COXE.

A parasitical plant of North America. (*Didymna Angiosperma*, LINN.; *Orobanchæa*, JUSS.; Fig. Moris. p. 12, t. 16, f. 9)

It is employed internally in dysentery, and externally in chronic ulcers. It is astringent, and possesses at the same time an extremely nauseous bitter taste.

ORYZA SATIVA, LINN.—RICE.

SYNONIMES:—Riz, FR.; Reiss, GERM.; Aruz, ARAB.; Prinsch, ARM.; Men-ho, CHIN.; Lua, COCHIN.; Ziis, DAN.; Chaw, DUK.; and Hind., ARROZE, SPAN.; Ryst, DUT.; Riso, ITAL.; Motsj, GOME, KO, JAP.; Riskesa, MAL.; Tandul, MAH.; Bras, MALAB.; Barinje, PERS.; Ryz, POL.; Arroz, PORT.; Vrihi, SANS.; Ris, SWED.; Dugu, TART.; Arisi TAM.; Buim, TEL.

AMST.; ANT.; BATAV.; BRUNS.; HISP.; GALL.; FERR.; FORM. HÔP. FR.; FULD.; HASS.; LIPP.; ROSS.; WIRTEM.; AINSLIE.; BERGIUS.; GUBOURT.; MURRAY and GMELIN.; PIDERIT.; SPIELMANN.

This plant is originally of Ethiopia, but is now cultivated in all warm climates. (*Hexandria Digynia*, LINN.; *Gramineæ*, JUSS.; *Fig. Flore Medic.* VI. 299)

The seed (*Semen seu Grana Oryzæ*) is employed. It is oblong, obtuse, grooved, white, hard, dry, friable, inodorous, and of a farinaceous taste. It comes to us deprived of its pellicle.

It contains, according to BRACONNOT, a considerable proportion of starch, a little animalized matter, a very little uncrystallizable sugar, gum, oil, and various salts.

It forms a very nutritious aliment, and when combined with much water is rather emollient and demulcent; it is erroneously supposed astringent.

DECOCTION OF RICE.

Decoctum seu Ptisana Oryzæ. (GALL.; FORM. HÔP. FR.; DISP. CHA. PARIS.; NIEMANN.; RATIER.; SAINTE-MARIE)

R. Washed Rice, half an ounce.
Water, two pounds eight ounces.

Boil down to two pounds; strain, and add Syrup of Marshmallows, one ounce.

Mix. (GALL.)

NIEMANN directs two ounces of rice to be boiled in two pounds of water till reduced to sixteen ounces.—RATIER—half an ounce of rice to be boiled in three pounds of water till reduced to two pounds.

R. Washed Rice, two ounces.
Water, three pounds.

Boil down to two pounds, and add towards the end

Fresh Butter, one ounce.
Sugar, or Salt, a sufficient quantity to make it agreeable. Mix. (SAINTE-MARIE)

R. Washed Rice, one ounce.

Boil it till it has burst, in
Water, a sufficient quantity to obtain one pound and a half of strained liquor; add towards the end, and leave to infuse for a quarter of an hour,

Bitter Orange Peel, two drams.
Strain. (FORM. HÔP. FR.)

R. Rice, one ounce.
Water, two pounds and a half.

Boil down to two pounds, adding towards the end

Liquorice, four drams.
Strain when cold. (DISP. CHA. PARIS)

It is emollient, but is improperly considered astringent, and is prescribed in diarrhœa and dysentery.—Milk, decoction of catechu, RABEL's liquor, syrup of quince, or any acidulous syrup, may be added.

PECTORAL DECOCTION. (SPIELMANN)

R. Rice, one ounce.
Spring Water, one hundred and twenty-eight ounces.

Boil till the rice bursts; then infuse in the decoction

Root of Liquorice,	} of each, half
—— Marshmallows,	
Canadian Maidenhair,	} of each,
Flowers of Coltsfoot,	
—— Red Poppy,	two drams.
	one dram.

Pour off at the end of a quarter of an hour.

ACIDULATED DECOCTION OF RICE.

Potus Oryzæ citratus. (AUGUSTIN)

R. Rice, in powder, one ounce.
Water, four pounds.

Boil for a short time, and add to the strained liquor

Barley Sugar, half an ounce.
Lemon Juice, one ounce.

Mix.

OVUM GALLINACEUM, LINN.—PULLET'S EGG.

SYNONIMES:—Œuf de poule, FR.; Hühner-eyer, GERM.; Bayzah, ARAB.; Biju, CYNG.; Anda, DUK.; Huevo, SPAN.; Hoenderey, DUT.; Ovo di gallina, ITAL.; Tukim, PERS.; Kurze iaia, POL.; Anda, SANS.; Hœnrœgg, SWED.; Koruy mutay, TAM.; Guddu, TEL.

LOND.; AMST.; ANT.; AUSTR.; BAVAR.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; PENN.; FULD.; FORM. HOP. FR.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; CAST. BORUS.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; WURCEB.; AINSLIE.; BRUGNATELLI.; COXE.; GUIBOURT.; PARIS.; PIDERIT.; SPIELMANN.

OIL OF EGG.

Oleum e Vitellis Ovorum seu Ovorum expressum. (ANT.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FULD.; HANN.; HASS.; LIPP.; OLDEN.; PALAT.; POL.; BORUS.; SARD.; SAX.; SUEC.; HERBIP.; WIRTEM.; BRUGNATELLI.; PIDERIT.; VAN MONS)

R. Fresh Yolks of Eggs, any quantity.

Put them in a silver pan, boil till reduced to one half the quantity, in a water-bath, when, on being pressed between the fingers, the mass in a close linen bag, express between two heated plates, and filter, at the heat of a water-bath, through bibulous paper.

CHAUSSIER proposed to mix the hard yolks with alcohol, to heat the mixture in a covered vessel, to filter, then to distil, and lastly, to separate the oil with water. (HENRI.; VAN MONS)—But the oil obtained in this manner always retains, according to HENRI, the odour of alcohol; and, according to VAN MONS, it is more subject to become rancid.

EMOLLIENT LAVEMENT.

Clyssa sedans et emolliens. (MIL. COPEN.; CAST. BORUS.; BREERA.; PIERQUIN)

R. Well-washed Bran, half a handful.
Pure Water, two pounds.

Boil down to one half, and add when strained,

Fresh Yolks of Eggs, three or four.
Mix. (PIERQUIN)
R. Yolks of Eggs, two.
Rose Oil, } of each,
Chamomile Oil, } three ounces.
Mix. (BREERA)
R. Yolk of Egg, half an ounce.
Olive Oil, two drams.
Mix. (MIL. COPEN.; CAST. BORUS.)

ANTI-STRUMOUS OINTMENT. (SAINTE-MARIE)

R. Lard, one ounce.
Fresh Egg, without shell, one.
Shake the egg well with the lard melted over a slow fire.

ALPHONSE LEROY applied it to goitrous tumours, during three or four months. It is said to have sometimes removed them.

YELLOW PLASTER.

Emplastrum flavum. (OLDEN.)

R. Hard Yolks of Eggs, six.
Yellow Wax, } of each, four ounces.
Lard, }
Mix.

ANALECTIC MIXTURE. (SAINTE-MARIE)

R. Cream, six ounces.
Fresh Yolks of Eggs, two.
Sugar, from four drams to one ounce.
Hordeated Cinnamon Water, six drams.

Mix well.—To be taken by spoonfuls, in the debility occasioned by excessive venery.

ANTI-APHTHOUS MIXTURE.. (SAINTE-MARIE)

R. Cream, } of each, one ounce.
Rose Water, }
Fresh Yolk of Egg, one.
Syrup of Poppies, four drams.

Mix.—To be taken by spoonfuls, in twenty-four hours.

ALBUMINOUS ALCOHOL. (VAN MONS)

R. Fresh Whites of Eggs, four.
Beat them in a porcelain vessel, adding gradually,
Alcohol, two ounces.

OXALIS ACETOSELLA, LINN.—WOOD SORREL.

SYNONIMES: — Alleluia, Surelle, Pain de Coucou, FR.; Sauerkle, Gukusklee, Buchsauerampfer, GERM.; Alleluga, Detel kyscly zagecj, BOHEM.; Giogeurt, Giogemad, suurklover, Skovsyre, DAN.; Acederilla, SPAN.; Zuurklavor, DUT.; Alleluja, ITAL.; Szczawik, POL.; Trewo azedo, PORT.; Harszyza, SWED.

LOND.; ANT.; BATAV.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; GENEV.; HASS.; LUSIT.; BORUS.; SUEC.; WIRTEM.; HERBIP.; BERGIUS.; BRUGNATELLI.; COXE.; MURRAY and GMELIN.; PARIS.; SPIELMANN.; ZARDA.

This plant is met with in almost every part of Europe. (*Hexandria Pentagynia*, LINN.; *Oxalideæ*, CAND.; *Fig. Zorn, Ic. pl. t. 9*)

The herb (*Herba Acetosella* seu *Lujula* seu *Alleluja* seu *Trifolii acetosi*, seu *Oxytriphylli*) is employed. It is composed entirely of radical leaves, having long foot-stalks, presenting three heart-shaped leaflets, the apex of the heart joining the foot-stalk; it is of a pale green colour. It presents floriferous scapes, at the middle part of which there are two small opposite bractæ. It is inodorous; its taste is acid and rather agreeable, but is lost by desiccation.

The *Yellow Wood Sorrel*, *Oxalis corniculata*, LINN., is also used, (Chua miba chia, CHIN.; and COCHIN.; Umbuti, DUK.; Amrul, HIND.; Chukrika, Ambachta, Amlika, SANS.; Puliaray, TAM.; Pullie chinta, Pulla chinta, TEL.)—HANN.; AINSLIE.—It much resembles the preceding. [Not at all.—EDIT.]

Both contain super-protosalate of potassium.

It is acidulous and refreshing.

CONSERVE OF WOOD SORREL. (FULD.; LUSIT.; PALAT.; ROSS.; SARD.; SUEC.; WIRTEM.; HERBIP.; PIDERIT; SWEDIAUR)

R. Fresh Leaves of Wood Sorrel, } of each,
Sugar, } an equal part.

Triturate together. (SARD.; SUEC.)

FULD.; PALAT.; ROSS.; WIRTEM.; HERBIP.; PIDERIT; and SWEDIAUR prescribe one part of herb and two parts of sugar.—AMST.—one of herb and three of sugar.

R. Powdered Leaves of Wood Sorrel, three ounces.
Distilled Water of Wood Sorrel, eight ounces.

Macerate for six hours; then add, constantly stirring,

White Sugar, one pound and a half.
Mix. (LUSIT.)

DISTILLED WATER OF WOOD SORREL.

Aqua e Succo Acetosellæ. (PALAT.; SARD.)

R. Bruised Herb of Wood Sorrel, one part.
Water, two parts.

Distil two thirds. (SARD.)

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

It may also be obtained by distilling the depurated juice of the herb in a water-bath to dryness.

JUICE OF WOOD SORREL. (PALAT.; SARD.; HERBIP.; WIRTEM.)

R. Fresh Herb of Wood Sorrel, any quantity.

Bruise it in a stone mortar with a wooden pestle; express the juice, set it aside, decant, and preserve it in a cool place.

HERBIP. directs one dram of alcohol to be added to each pound of the juice.

SYRUP OF WOOD SORREL.

Syrupus Acetosellæ. (SARD.; WIRTEM.)

R. Depurated Juice of Wood Sorrel, ten ounces.
White Sugar, sixteen ounces.

Boil to a syrup. (WIRTEM.)

SARD. directs a sufficient quantity of depurated juice to be added to simple syrup, and the mixture to be evaporated slightly in a water-bath.

EXTRACT OF WOOD SORREL.

Extractum Acetosellæ. (SARD.; HERBIP.; PIDERIT)

Bruise it in a stone mortar, express the juice and evaporate it to the consistence of an extract, at first over a slow fire, and then in a water-bath. (SARD.; HERBIP.)

R. Fresh Herb of Wood Sorrel, one pound.

Bruise it in a mortar, express the juice, and pour upon the residue,

Water, three pounds.

Boil for one hour, express, and evaporate to the consistence of an extract; then add the juice, set aside, and evaporate again. (PIDERIT)

It is acidulous and bitter.—Dose, from a scruple to half a dram.—This extract owes its activity only, to the super-oxalate of potass which it contains.

OXYGENIUM.—OXYGEN.

Aer purus seu dephlogisticatus seu vitalis.
(FERR.; HANN.; BRUGNATELLI; NIEMANN; SWEDIAUR; VAN MONS)

R. Black Oxide of Manganese, any quantity.

Bring it gradually to a red heat in an earthen retort communicating with a pneumato-chemical apparatus. Having let the first portions of the disengaged gas escape, receive the remainder in glass bottles; cork the bottles under water, cover the mouths with wax, and preserve them in a cool place. (FERR.; HANN.; SWEDIAUR; NIEMANN; VAN MONS)

R. Peroxide of Manganese, three parts.
Concentrated Sulphuric Acid, two parts.

Mix without heat in a glass mortar, calcine the mixture to redness, collect the gas which is disengaged, and preserve it after having shaken it with lime water. (VAN MONS)

R. Nitrate of Potass, in powder, any quantity.

Heat it in a matrass till the bottom reddens, and receive the disengaged gas, letting the first portions pass off. (BRUGNATELLI)

VAN MONS says that nitre mixed with sea salt, yields its oxygen more readily than when it is alone.

R. Peroxide of Manganese, one part.
Chlorate of Potass, two parts.

Triturate together, apply the heat of a spirit-lamp, and collect the gas which is liberated. (VAN MONS)

OXYGENATED WATER.

Aqua oxygenata. (BRUGNATELLI)

R. Water, any quantity.

Saturate it perfectly with oxygen gas, by the aid of a proper machine.

It is slightly stimulant, and has been recommended in defective appetite, amenorrhœa, asthenic dropsies, spasms of the stomach, and hysteria.—Dose, one or two bottles in the space of twenty-four hours.

In general the proportion of oxygen con-

tained in the water thus prepared is as one volume to two volumes of the latter.

Thus prepared the oxygenated water differs very much from that which THENARD obtained by a process as long as it was difficult and minute, and to which he gives the name of *Deutoxide of Hydrogen*. This, when it is in as concentrated a state as possible, yields four hundred and seventy-five times its volume of gas, under the pressure of 0,76, and at the temperature of fourteen degrees. It is rather surprising that no one has thought of applying it to practice either internally or externally, varying its degree of concentration by the addition of a greater or less quantity of water. It is also surprising that our experimenters should have neglected this, which would have afforded them so fine an opportunity for feeding the public curiosity for several months with the recital of their daring trials. It would be well to remember the important observation made by THENARD, that the animal organs and tissues effect the decomposition of the oxygenated water in the same manner as the greater part of the metals and metallic oxides do, in not yielding any part of their principles, absorbing not the smallest quantity of oxygen, and consequently not undergoing the least apparent alteration, unless the peroxide be highly concentrated. Can it be the same with regard to the living tissues? The fact would deserve to be examined were it only to ascertain whether THENARD is right or wrong in supposing that, the animal tissues having, like platina, gold, and silver, the property of disengaging oxygen from oxygenated water, may be referred to a similar action; for if it is so, it is then not unreasonable to think that the secretions are also effected by a similar action: and consequently it may be conceived how an organ, without absorbing any thing, without ceding any thing, may constantly act upon a fluid and transform it into new products. These reasonable deductions from a positive fact are worthy of an attentive examination, as they are of a kind to completely overturn all our present theories in physiology and therapeutics.

PÆONIA OFFICINALIS, LINN.—PEONY.

SYNONIMES: — Pivoine, FR.; Pæonie, Pfingstrose, Gichtrose, GERM.; Peonia, SPAN.; Piwonice, POL.

AMST.; ANT.; BRUNS.; HISP.; GALL.; FERR.; GENEV.; HANN.; POL.; BORUS.; ROSS.; SAX.; HERBIP.; WIRTEM.;