

ZANTHORRHIZA APIIFOLIA, L'HER.—YELLOW ROOT, PARSLEY-LEAVED YELLOW ROOT, YELLOW ROOT SHRUB.

AMER.; COXE.

A small shrub of Virginia. (*Pentandria Monogynia*, LINN.; *Ranunculacææ*, JUSS.; Fig. L'Her, *St. nov.* p. 79. t. 38)

The root is long, of the thickness of the little finger, and furnished with a great many fibrils. It is of a yellow colour, and has a bitter taste.

ZANTHOXYLUM CLAVATUM, LINN.—PRICKLY ASH, TOOTHACHE TREE.

SYNONIMES:—Clavier à feuilles de frêne, Frêne épineux, FR.; Zahnwehholz, GERM.

AMER.; COXE.

A tree of the Antillas. (*Diœcia Pentandria*, LINN.; *Terebinthacææ*, JUSS.)

The bark, which is brown, is employed on account of its acridity against toothache. The tincture is used, in America, in chronic rheumatism.

ZEA MAYS, LINN.—INDIAN CORN, MAIZE.

SYNONIMES:—Mais, Blé d'Espagne, Blé d'Inde, Blé de Turquie, FR.; Türkischer Weizen, GERM.; Tyrkisk korn, DAN.; Maiz, SPAN.; Mays, DUT.; Gran Turco, ITAL.; Maiz, Milho de Turquia, PORT.; Türkisk korn, SWED.

GALL.

An original plant of America. (*Monœ-*

cia Triandria, LINN.; *Grammææ*, JUSS.; Fig. Blackw. *Herb.* t. 547)

The seeds (*Semen Mays*) are employed. They are round, angulose, of the size of a pea, of a golden yellow colour externally, and white and brilliant internally.

It is farinaceous and alimentary.

ZEDOARIA.—ZEDOARY.

SYNONIMES:—Zédoaire, FR.; Zittewurzel, Zitteringwer, Gillwerwurzel, GERM.; Judwar, Bar, ARAB.; Bhuchampa, Junglie huldie, Bun huldie, BENG.; Cycwar, BOHEM.; Nagai mio, COCHIN.; Kaha, Walkaha, CYNG.; Ambie huldie, DUK.; Zedoaria, SPAN.; Nirbisi, HIND.; Bokzedoar, DUT.; Malan kua, MALAB.; Cytwar, POL.; Bhu champaka, nervischa, Vanaharidra, SANS.; Sittwer, SWED.; Casturie munjel, TAM.; Castorie pasapu, TEL.

DUBL.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HAMB.; HANN.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; AINSLIE.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT;

MURRAY and GMELIN.; PIDERIT.; SAUNDERS.; SPIELMANN.; ZARDA.

There are two kinds of Zedoary:

1. The long, *Zedoaria longa*. This is several inches long, of the thickness of the finger, wrinkled, knotty, of a greyish colour without, and brownish within.

2. The round, *Zedoaria rotunda*. This is about an inch long, rough at the surface, rugose, and covered with fibres.

Zedoary comes to us in hard, whitish pieces, deprived of its external pellicle. It is aromatic, acrid, and pungent.

It contains much starch, and a camphorous essential oil.

The long zedoary is usually considered as the root of the *Amonum Zedoaria*, WILLD.; a plant (*Monandria Monogynia*, LINN.;

Amomea, JUSS.) of the East Indies (*Fig. Flore Medic. VI. 349*)

As to the root, some authors, with whom are AINSLIE and GUIBOURT, think that it belongs to the *Kampferia rotunda*, LINN.—Others think, and such is the opinion of MERAT, that they are simply varieties of the root of one plant, dependant on locality and mode of growth.

It is excitant, tonic, and stomachic.—Dose, from half a scruple to half a dram, of the powder.

EXTRACT OF ZEDOARY.

Extractum Zedoariae. (BRUNS.; PALAT.; SARD.; WIRTEM.)

R. Root of Zedoary, one pound.
Alcohol, five or six pounds.

After sufficient extraction, express; digest the residue, and boil it a little with

Water, three pounds.

Clarify the decoction with white of egg, then add the tincture, and having distilled off the alcohol, evaporate the remainder to the proper consistence. (BRUNS.; PALAT.; WIRTEM.)

R. Zedoary, one pound.
White Wine, five or six pounds.

Digest in a sand-bath for three days, and strain; boil the residue with a sufficient quantity of new wine. Mix the liquors, and evaporate slowly to the consistence of an extract. (SARD.)

TINCTURE OF ZEDOARY.

Tinctura seu Essentia Zedoariae. (AMST.; BRUNS.; HANN.)

R. Root of Zedoary, one part.
Alcohol (0.907), eight parts.

Digest for eight days, and filter. (AMST.)

BRUNS. prescribes one part of root, and five parts of alcohol.—HANN.—five ounces of root, and two pounds of alcohol.

It is excitant.—Dose, sixty drops, twice a day.

COMPOUND TINCTURE OF ZEDOARY.

Tinctura Zedoaria composita, Essentia carminativa Wedelii. (BRUNS.; HANN.; PALAT.; SAX.; WIRTEM.; CADET DE GASSICOURT; NIEMANN; SPIELMANN)

R. Root of Zedoary, four ounces.

— Carline Thistle, } of each,
— Sweet Flag, } two ounces.

— Galanga, }
Flowers of Chamomile, } of each,
Seeds of Anise, } one ounce.

— Caraway, }
Cloves, } of each, six drams.

— Bay Berries, }
Mace, }
Orange Peel, } half an ounce.

Spirit of Lemon Peel, one ounce.

Spirit of Nitric Æther, two ounces and a half.

four pounds and a half.

Infuse for six days; then express, and filter. (BRUNS.; HANN.; SAX.; WIRTEM.; NIEMANN; SPIELMANN)

R. Root of Zedoary, one ounce.

— Carline Thistle, } of each,
— Galanga, } half
an ounce.

Orange Peel, }
Seeds of Anise, } of each,
— Caraway, } one dram
Flowers of Chamomile, } and a half.

Cloves, }
Bay Berries, } one dram.

Sweet Flag, }
Mace, } two pounds.

Spirit of Lemon Peel, } half an ounce.

Nitric Acid, }
After sufficient digestion, filter. (PALAT.; NIEMANN)

R. Root of Zedoary, one ounce.

— Carline Thistle, } of each,
— Sweet Flag, } half
— Galanga, } an ounce.

Flowers of Chamomile, }
Seeds of Anise, } of each,
— Caraway, } two drams.

Dried Orange Peel, }
Bay Berries, } of each,
Cloves, } one dram and a half.

Mace, } one dram.

Spirit of Lemon, } one pound.

Nitric Acid, } five drams.

It is excitant, reputed stomachic, carminative, emmenagogue, and diuretic.—Dose, from half a dram to one dram.

BEZOARDIC TINCTURE.

Tinctura bezoardica. (PALAT.; WIRTEM.; SPIELMANN)

R. Root of Zedoary, }
— Serpentaria, } of each,
— Angelica, } six
— Burnet Saxifrage, } drams.

Herb of Scordium, }
— Dittany of Crete, }
Juniper, }
Lemon Peel, }
Myrrh, }
Rectified Spirit of Elder Flowers, } one pound.

Digest for a sufficient time. Add to the expressed liquor

Pyrotartaric Acid, } six ounces.

Sulphuric Acid, } two ounces.

Camphor, } half an ounce.

Digest, filter, and preserve. (PALAT.; WIRTEM.)

R. Root of Zedoary, two ounces.
 ——— Angelica, }
 ——— Burnet Saxifrage, } of each,
 ——— Valerian, } one
 ——— Swallow-wort, } ounce.
 ——— Sweet Flag, }
 ——— Costus, } of each,
 Fresh Lemon Peel, } two ounces.
 Juniper, }
 Myrrh, three ounces.
 Herb of Scordium, }
 ——— Balm, } of each,
 ——— Milfoil, } seventy-two ounces.
 ——— Rue, }
 Camphor, one ounce.
 Theriac, one pound.
 Alcohol, six pounds.

Digest for eight days, and add
 Spring Water, two pounds,
 and distil. Then

R. Of this Spirit, two pounds.
 Pyrotartaric Acid, half a pound.
 Sulphuric Acid, three ounces.

Mix, colour with oneberry juice, and filter. (WIRTEM.; SPIELMANN)

It is excitant, and used formerly to be prescribed in putrid fevers.—Dose, half a dram.

ESSENTIAL OIL OF ZEDOARY.

Oleum Zedoariae aethereum, Etheroleum Zedoariae. (BRUNS.; PALAT.; WIRTEM.)

R. Zedoary, six parts.

Water, thirty-six parts.
 Muriate of Soda, one part.

Macerate for four or five days, and distil. Collect the oil at the bottom of the receiver.

VINOUS SPIRIT OF ZEDOARY.

Aqua Zedoariae vinosa. (BRUNS.; WIRTEM.)

R. Zedoary, one part.
 Wine, twelve parts.

Distil one half. (WIRTEM.)

R. Zedoary, six ounces.
 Wine, three pounds.
 Alcohol, } of each,
 Water, } one pound and a half.

Distil four pounds. (BRUNS.)

ANISATED SPIRIT OF ZEDOARY.

Aqua Zedoariae anisata. (PALAT.; SARD.; WIRTEM.; PIDERIT)

R. Zedoary, six ounces.
 Anise, three ounces.
 Lemon Peel, two ounces.
 Alcohol, six pounds.

Distil one half. (PIDERIT)

PALAT.; SARD.; and WIRTEM. prescribe six ounces of zedoary, three of anise, one of lemon peel, and eight pounds of white wine; the half to be distilled after eight days' infusion.

ZIBETHA, ZIBETHUM.—CIVET.

SYNONIMES: — Civette, FR.; Zibeth, GERM.; Zibeto, SPAN.; Sivet, DUT.; Zibetto, ITAL.

BRUNS.; HISP.; GALL.; WIRTEM.; BRUGNATELLI; GUIBOURT; PIDERIT; SPIELMANN.

A semifluid, unctuous substance, of a very strong odour, and of a whitish or yellowish colour, becoming very thick and brown by exposure to the air. It is a glandular secretion, and is found in a pouch situated between the anus and genitals of the civet, *Viverra Zibetha*, LINN., one of the rodentia of Asia and Africa.

It is excitant, and is considered antispasmodic.—Dose, from five to ten grains.

ZINCUM.—ZINC.

SYNONIMES: — *Stannum Indicum.*—Zinc, FR.; Zink, Spiauter, GERM.; and SWED.; Pi-yuen, CHIN.; Sungbusrie, DUK.;

Zinco, ITAL.; and PORT.; Cynk, POL.; Spigater, RUSS.; Tutunagum, TAM. LOND.; EDINB.; DUBL.; AMER.; AMST.;

ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; GENEV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; ROSS.; SAX.; SUEC.; HERBIP.; AINSLIE.; COXE.; PIDERIT.; SPIELMANN.

A solid, bluish-white, lamellated, very ductile metal, more laminable than capable of being drawn into wire, not very hard, fusible above the red heat, volatilizable, burning with a vivid flame, and acted on very slightly by moist air. Its specific gravity is 7,1.

CHLORURET OF ZINC.

Murias seu Butyrum Zinci. (NIEMANN)

R. Pure Hydrochloric Acid, three ounces.

Throw shot-zinc gradually into it till it will dissolve no more, then add

Water, three ounces.

Filter the liquor and evaporate it to dryness. It is astringent and emetic.

ÆTHEREOUS SOLUTION OF HYDROCHLORATE OF ZINC.

Æther Zinci. (NIEMANN; VAN MONS)

R. Dried Hydro-chlorate of Zinc, half an ounce.
Pure Alcohol, one ounce.
Sulphuric Æther, two ounces.

Decant at the end of a few days.

It is anti-spasmodic.—Dose, from four to eight drops, twice a day.

CYANURET OF ZINC.

Hydrocyanas Zinci. (MAGENDIE; NIEMANN)

R. Hydrocyanate of Potass, any quantity.
Sulphate of Zinc, a sufficient quantity.

Having dissolved them, add the latter to the former till no more precipitate is formed. Dry and calcine this at a dull red heat.

The product is a mixture of cyanuret of zinc and of potassium.—It has been extolled in nervous cardialgia.—Dose, from the fourth of a grain to one grain and a half in a potion, to be taken by spoonfuls.

ANTI-SPASMODIC POWDER. (MAGENDIE)

R. Cyanuret of Zinc, half a grain.
Magnesia, four grains.
Cinnamon, three grains.

Mix.—To be taken every four hours.

PROTOXIDE OF ZINC.

Oxydum seu Oxodes Zinci seu zincicum, Zincum oxydatum.

A.

That which is met with in commerce.

1. *Nihil album.*

BATAV.; BRUNS.; FENN.; CAST. BORUS.; SAX.; SUEC.; WIRTEM.; HERBIP.; PALAT.; SPIELMANN.

In very white, light, woolly floculi, insipid, inodorous, and insoluble in water, formed by the combustion of zinc in the open air.

2. *Tutia, Tutthia, Tutia Alexandrina, Botoytis, Nihilum griseum, Oxydum zincicum griseum.*—Tutty, Impure Oxide of Zinc.

LOND.; DUBL.; EDINB.; AMER.; ANT.; BATAV.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; HANN.; HASS.; OLDEN.; LUSIT.; SAX.; SUEC.; WIRTEM.; HERBIP.; COXE.; SPIELMANN.

In thick, compact, heavy scales, of an ash-grey colour, hard, difficult to be broken, shagreened and rough; it is formed in the chimneys of furnaces in which lead ores containing sulphuret of zinc are roasted.

It is the protoxide mixed with extraneous substances.

3. *Calamina, Lapis Calaminaris, Carbonas Zinci impurus, Carbonas zincicum terrestre, Oxydum Zinci nativum, Zincum terrestre.*—Calamine, Fossile Cadmia, Hydrosilicate of Zinc. (B.)

LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; BATAV.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; HAMB.; HASS.; LIPP.; OLDEN.; LUSIT.; SAX.; SUEC.; WIRTEM.; HERBIP.; COXE.; GUIBOURT.; PIDERIT.; SPIELMANN.

In irregular, heavy, whitish, greyish, or reddish masses.

The name given to this substance by BEUDANT perfectly expresses its nature. It is a hydrated silicate of zinc containing accidentally oxide of iron, alumine, and carbonate of lime.

PREPARED CALAMINE.

Calamina præparata. (LOND.)

Carbonas Zinci impurus præparatus (EDINB.)

Zinci Carbonas impurum præparatum. (DUBL.)

Calcine calamine, and pulverize it;

then treat it in the manner directed for the preparation of chalk.

B.

Prepared expressly.

1. *In the dry way*; Flowers of Zinc.—*Flores Zinci, Nihil album, Pompholex, Lana philosophica, Oxydum zincicum seu Zinci album seu Zinci per se, Oxodes Zinci album, Calx Zinci, Zincum oxydatum album.*

DUBL.; EDINB.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; HISP.; GALL.; FENN.; FERR.; FULD.; GENEV.; HANN.; HASS.; LIPP.; LUSIT.; PALAT.; POL.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI.; COXE.; PIDERIT.; SPIELMANN.; SWEDIAUR.; VAN MONS.

Oxidum Zinci.

Place a large crucible in a furnace filled with burning coals in such a manner as to be a little inclined towards its mouth, and when the bottom of it has become of a moderate red heat, throw into it a piece of zinc of about the weight of a dram. The zinc is soon inflamed and converted into white floculi, which are from time to time to be removed from the surface of the metal, by means of an iron spatula, that the combustion may be more complete; when the inflammation has ceased remove the oxide from the crucible. Then throw in another piece of zinc, and proceed in the same manner. Finally, let the oxide be prepared in the same manner as the impure carbonate of zinc. (EDINB.)

R. Zinc, in small pieces,
any quantity.

Throw these, at intervals, into a sufficiently large crucible, heated to whiteness, and placed with its mouth inclined towards the mouth of the furnace. After each piece of zinc is thrown in, invert over the crucible another crucible, but loosely, so as not to exclude the air. Preserve the white, sublimed, light powder for use. (DUBL.)

R. Zinc, any quantity.

Put it into a large crucible placed among burning coals, and augment the heat till the metal enters into fusion, and inflames; then cover the crucible with another inverted, and afterwards separate the floculi which collect in the latter.

2. *In the moist way*; Magistery of Zinc.—*Magisterium Zinci, Zinci præcipitatum.*

AMST.; DAN.; GALL.; FERR.; HANN.; LIPP.; OLDEN.; BORUS.; SAX.; VAN MONS.

Zinci Oxydum. (LOND.)

R. Sulphate of Zinc, one pound.
Distilled Water, one pint.

Dissolve; then add

Solution of Ammonia, one part,
or as much as may be sufficient to precipitate the oxide of zinc entirely. Pour off the liquor; wash the powder repeatedly with distilled water, and dry it by the heat of a sand-bath.

Dissolve sulphate of zinc in a sufficient quantity of water, and pour gradually into the solution another of subcarbonate of soda or of potass, till no more precipitate is formed. Wash and dry this.

This product is subcarbonate of zinc: GALL. speaks of it twice, under the title of oxide of zinc by precipitation and of carbonate of zinc.—The calcination for a quarter of an hour which SAX. requires the precipitate to be subjected to, renders it yellow, but does not bring it to the state of pure oxide.

Oxide of zinc is employed externally as astringent, and internally as anti-spasmodic and emetic. It has been extolled in epilepsy, hysteria, and neuralgiæ.—Dose, from six grains to half a dram, in the form of pills.

ANTI-SPASMODIC POWDER.

Pulvis Zinci oxydati albi. (FULD.; AUGUSTIN)

R. Oxide of Zinc, twelve grains.
Sugar, one dram.

Divide into six papers.—Dose, one, morning and evening, in whooping cough and the convulsive diseases of children. (AUGUSTIN)

R. Oxide of Zinc, one grain.
STDENHAM'S Laudanum, one dram.
Sugar, one scruple.

Mix.—To be taken every three hours, in the spasms of children. (AUGUSTIN)

- R. Oxide of Zinc, one dram.
Opium, ten grains.
Cinchona, } of each, one ounce.
Fennel, }

Divide into fifty parcels.—Dose, one every two hours, in hooping cough. (AUGUSTIN)

- R. Oxide of Zinc, three grains.
Squill, of each,
Red Sulphuret of } one grain and
Antimony, a half.
Subcarbonate of Magnesia, one dram.

Divide into six parcels.—Dose, one every two hours, in rheumatismal spasmodic asthma. (AUGUSTIN)

- R. Oxide of Zinc, twelve grains.
Opium, three grains.
Aqueous Extract of Cinchona, one dram.

Oleosaccharum of Anise, two drams.

Divide into twelve parcels. (FULD.)

STOMACHIC POWDER. (BRERA)

- R. Oxide of Zinc, one grain.
Magnesia, one scruple.

Mix.—To be taken every two hours, in dyspepsia.

- R. Oxide of Zinc, four grains.
Calumba, thirty grains.

Divide into four parcels.—Dose, one every three hours.

DRY COLLYRIUM. (CADET DE GASSICOURT; RATIER)

- R. Tutty, } of each, half a dram.
Sugar Candy, }

Make a very fine powder. (RATIER)

- R. Tutty, } of each, an equal part.
Florentine Iris, }
Sugar Candy, }

Make a very fine powder. (CADET DE GASSICOURT)

BLACK CEPHALIC POWDER.

Pulvis cephalicus niger. (LIPP.)

- R. Oxide of Zinc, one dram.
Powdered Mistletoe, } of each,
Charcoal, } one ounce.

Mix.—Dose, from fifteen to twenty grains, to a child of one year old.

ANTI-STRUMOUS POWDER. (AUGUSTIN; SAINTE-MARIE)

- R. Oxide of Zinc, four ounces.
Cuttle Fish Bone, } of each,
Egg Shells, two ounces.
Scarlet Cloth, one ounce and a half.

Burn them together in a covered vessel, and pulverize the residue. (SAINTE-MARIE)

AUGUSTIN prescribes half an ounce of oxide, two drams of egg shells, and one dram and a half of cloth.

Dose, eighteen grains, twice a day, for an adult.—This remedy is recommended by DEHAEN.

SEDATIVE AND DIAPHORETIC BOLUSES.

Boli diaphoretici sedantes. (BRERA)

- R. Oxide of Zinc, } of each,
Extract of Aconite, } four grains.
Red Sulphuret of Antimony, } two grains.

- Liquorice, in powder, } of each,
Honey, } a sufficient quantity.

Make four boluses.—Dose, one every two hours, in sciatica, chorea, hysteria, rheumatism, and chronic gout.

SEDATIVE PILLS. (GENEV.; BRERA; ELLIS)

- R. Oxide of Zinc, two scruples.
Conserve of Dog-rose, a sufficient quantity.

Make twenty-four pills. (GENEV.; ELLIS)

- R. Oxide of Zinc, eight grains.
Extract of Aconite, six grains.

Make six pills.—Dose, one every four hours. (BRERA)

These pills have been recommended in epilepsy, chorea, and chronic exanthemata.

ASTRINGENT COLLYRIUM. (SWEDIAUR)

- R. Oxide of Zinc, one dram.
Mucilage of Quince Seeds, pre-
pared with rose water, ten ounces.

Triturate together.

ASTRINGENT LOTION.

Lotio e Zinco et Cupro composita. (AUGUSTIN; ELLIS; SWEDIAUR; SPIELMANN)

- R. Oxide of Zinc, twelve grains.
Sulphate of Copper, four grains.
Honey of Roses, one dram.
Lime Water, two ounces.

Mix.—It is recommended as an application to syphilitic ulcers. (ELLIS; SPIELMANN; SWEDIAUR)

- R. Oxide of Zinc, one ounce.
Elder-flower Water, one ounce and a half.

Mix.—THUENSINK extolled this preparation in pustular erysipelas. (AUGUSTIN)

RESOLVENT COLLYRIUM. (PIERQUIN;
SPIELMANN)

- R. Tutty, half a dram.
 Aloes, one dram.
 Rose Water, }
 Fennel Water, } of each,
 Eye-bright Water, } one ounce.

Mix. (PIERQUIN)

This formula was probably framed from the following which SPIELMANN gives under the name of *Aqua ophthalmica*, and the product of which certainly does not contain an atom of zinc:

- R. Prepared Tutty, } of each, one ounce.
 Cloves, }
 Sugar Candy, }
 Camphor, } of each,
 Aloes, } one dram and a half.
 Spanish Wine, } forty-eight ounces.
 Water of Pale Roses, } six ounces.
 — Celandine, }
 — Fennel, } of each,
 — Eye-bright, } two ounces.
 — Rue, }

Macerate for fifteen days in the sun, and decant.

There is in BRUNS., under the title of *Aqua ophthalmica usualis*, the following formula, which somewhat resembles PIERQUIN'S:

- R. Rose Water, } of each, five ounces.
 Fennel Water, }
 Prepared Tutty, six drams.
 Acetate of Lead, one dram and a half.
 Camphor, one dram.
 Sulphate of Zinc, two scruples.
 Mix, and preserve.

OINTMENT OF OXIDE OF ZINC.

Ceratum Calamina seu calaminare seu epyloticum seu e Zinco, Collyrium Nihili seu zincicum seu e Zinco, Unguentum calaminare seu Lapidis calaminaris seu e Lapide calaminari seu Carbonatis Zinci impuri seu Oxydi Zinci seu Oxydi Zinci impuri seu nativi seu de Nihilo seu Tutia seu Zinci seu griseum seu Nihili ad oculos seu ophthalmicum album seu diapompholygos. (LOND.; EDINB.; DUBL.; AMER.; AMST.; BATAV.; GALL.; FENN.; FULD.; GENEV.; HAMB.; HANN.; LIPP.; OLDEN.; LUSIT.; PALAT.; POL.; BORUS.; SAX.; AUGUSTIN.; BRUGNATELLI.; CADET DE GASSICOURT.; COXE.; ELLIS.; HUFELAND.; PIERQUIN.; SPIELMANN.; SWEDIAUR)

Ceratum Calaminæ. (LOND.)

- R. Prepared Calamine, } of each,
 Yellow Wax, } half
 Olive Oil, } a pound.
 one pint.

Mix the oil with melted wax; then remove the mixture from the fire, and as soon as it begins to thicken, add the calamine, and stir constantly till cold.

Ceratum Carbonatis Zinci impuri.
(EDINB.)

- R. Simple Cerate, five parts.
 Prepared Impure Carbonate
 of Zinc, one part.

Mix.

Unguentum calaminare. (DUBL.)

- R. Ointment of Yellow Wax, five pounds.
 Prepared Calamine, one pound.

Make an ointment.

AMER.; HANN.; LUSIT.; COXE.; NIEMANN.; and SWEDIAUR give the same formula as LOND.—FULD. prescribes twelve parts of oil, six of wax, and four and a half of calamine.—AMST.—two of oil, one of wax, and one and a half of calamine.—CADET DE GASSICOURT—six of oil, one of white wax, and one of calamine.

Unguentum Oxidi Zinci impuri.
(EDINB.; COXE)

- R. Simple Liniment, five parts.
 Prepared Impure Oxide of
 Zinc, one part.

Mix.

Unguentum Tutia. (DUBL.)

- R. Ointment of White Wax, ten ounces.
 Prepared Tutty, two ounces.

Make an ointment.

BATAV.; HANN.; OLDEN.; POL.; BORUS.; and SAX. prescribe eight parts of simple cerate, and one part of impure oxide.—GENEV.—twelve of cerate, and one of oxide.—AUGUSTIN.—two drams of oxide, and one ounce of rose ointment.—LUSIT.—thirty-two of lard, one of wax, and eight of oxide.

Unguentum Zinci. (LOND.)

- R. Oxide of Zinc, one ounce.
 Prepared Lard, six ounces.

Mix.

Unguentum Oxidi Zinci.

R. Simple Liniment, six parts.
Oxide of Zinc, one part.

Mix. (EDINB.)

R. Ointment of White Wax, one pound.
Oxide of Zinc,

one ounce and a half.

Make an ointment. (DUBL.)

FENN.; and COXE give the same formula as LOND. — PIERQUIN prescribes two parts of lard and one part of oxide.—PALAT.—two of goose-fat and one of oxide.—HAMB.—three of lard and one of oxide.—FULD.—three of butter and one of oxide.—BRUGNATELLI; and SWEDIAUR—four of lard and one of oxide.—PIERQUIN—four of butter and one of oxide.—AMER.; BRUGNATELLI; and COXE—five of lard and one of butter.—ANT.; and BELG.—eight of lard and one of oxide.—LIPP.—three of lard, one of oxide, and six of fresh butter.—HUFELAND—eight of lard and one of oxide.—ELLIS—six of butter and one of oxide.

R. Oxide of Zinc, one part.
Butter, washed in }
Rose Water, } of each,
Rose Ointment, } two parts.

Mix intimately. (GALL.)

R. Lard, twenty-four parts.
Mother of Pearl, }
Red Coral, } of each, one part.
Tutty, }
Nihil Album, } of each, two parts.

Mix. (SPIELMANN)

CAMPHORATED OINTMENT OF OXIDE OF ZINC.

Unguentum Nihili seu Nihili ad oculos seu ophthalmicum seu Zinci. (BRUNS.; DAN.; PALAT.; WIRTEM.; SWEDIAUR; VAN MONS)

R. Oxide of Zinc, one ounce.
Camphor, one scruple.
Lard, six ounces.

Mix. (DAN.)

R. Lard, six ounces.
Oil of Almonds, three ounces.
White Wax, two ounces.

Melt together, and add

Oxide of Zinc, three ounces.
Camphor, triturated with oil,
three drams.

Mix. (VAN MONS)

VAN MONS also prescribes one ounce of oil of almonds, half an ounce of lard, half an ounce of wax, one ounce and a half of calamine, two drams of tutty, and half a dram of camphor.

R. Prepared Tutty, } of each, one ounce.
Nihil Album, }
Red Coral, } of each,
Mother of Pearl, } half an ounce.
Camphor, one dram.
Lard, one pound.
Mix by trituration. (BRUNS.; PALAT.; WIRTEM.)

ANTI-HÆMORRHOIDAL OINTMENT.

Unguentum exsiccans; Cerat de Hufeland, Pommade contre l'intertrigo. (AUGUSTIN; CADET DE GASSICOURT; NIEMANN; PIERQUIN)

R. Oxide of Zinc, } of each,
Powdered Lycopodium, } one dram.
Cerate, half an ounce.

Triturate together. (AUGUSTIN; PIERQUIN)

NIEMANN prescribes one dram of oxide, one dram of lycopodium, and four ounces of rose ointment. — CADET DE GASSICOURT—thirty grains of oxide, thirty of lycopodium, and one ounce of spermaceti ointment.

R. Oxide of Zinc, } of each,
Powdered Lycopodium, } fifteen grains,
Lard, half an ounce,
Rose Water, } of each,
Plantain Water, } a sufficient quantity.

Triturate, and mix exactly. (PIERQUIN)

DESICCATIVE CERATE.

Ceratum seu Unguentum exsiccans seu ophthalmicum seu ad Ambusta. (HANN.; BORIES; CADET DE GASSICOURT; NIEMANN)

R. Olive Oil, eight ounces
Yellow Wax, one ounce and a half.

Melt, and add

Armenian Bole, one ounce.
Oxide of Zinc, half an ounce.

Mix. (HANN.)

R. Olive Oil, four ounces.
White Wax, } of each, one ounce.
Calamine, }
Acetate of Lead, two drams.

Make a cerate. (BORIES)

R. Tutty, } of each,
Acetate of Lead, } two scruples.
Calamine, }
Camphor, four grains.
Rose Ointment, a sufficient quantity.
Triturate together. (NIEMANN)

RED OPHTHALMIC OINTMENT.

Unguentum ophthalmicum Sloani. (SPIELMANN)

R. Tutty, one ounce.
Hæmatitis, two scruples.

Aloes, twelve grains.
Prepared Pearls, four grains.
Viper's Fat, two ounces.

Mix.

WHITE OPHTHALMIC OINTMENT. (VAN MONS)

R. Oxide of Zinc, three drams.
Protochloruret of Mercury, half a dram.
Camphor, one scruple.
White Wax, two drams.
Cocoa-nut Oil, } of each, one ounce.
Oil of Almonds, }

Mix by trituration,

GREEN OPHTHALMIC OINTMENT.

Unguentum oculare Keiseri. (AMST.)

R. Tutty, half an ounce.
Camphor, one dram.
Verdigris, twelve grains.
Lard, two ounces.

Mix.

CALAMINE PLASTER.

Emplastrum griseum seu de Lapide calami-nari seu consolidans, Pamphilus Chirurgorum. (AMST.; BRUNS.; DAN.; MIL. COPEN.; FULD.; HANN.; LIPP.; PALAT.; SAX.; SUEC.; WIRTEM.; HERBIP.; NIEMANN.; SPIELMANN.; VAN MONS)

R. Calamine, one pound.
Semivitreous Oxide of Lead, half a pound.
Olive Oil, one pound and a half.

Boil, constantly stirring. (FULD.; NIEMANN)

R. Simple Plaster, one pound and a half.
Yellow Wax, } of each, nine ounces.
Olive Oil, }

Melt together, and add

Powdered Calamine, one pound and a half.

Mix. (AMST.)

R. Simple Plaster, } of each,
Powdered Calamine, } one pound and a half.
Yellow Wax, } six ounces.
Goat Suet, } of each,
Turpentine, } one ounce and a half.

Liquify, and mix perfectly. (DAN.)

SUEC.; and VAN MONS prescribe two pounds each, of simple plaster and of calamine, five ounces of wax, and one ounce and a half each, of suet and of turpentine.

R. Simple Plaster, six ounces.

Melt, and add

Powdered Calamine, two ounces.
Mastic, } of each,
Olibanum, } one dram.

Mix. (SAX.)

R. Simple Plaster, one pound.
Olive Oil, five ounces.

Melt together, and add

Powdered Calamine, four ounces.
Myrrh, } of each,
Olibanum, } two drams.

Mix. (HANN.)

LIPP. prescribes ten ounces of simple plaster, eight of olive oil, six of calamine, one ounce of mastic, and half an ounce of olibanum.

R. Oil of Rape, eighteen ounces.
Calamine, twelve ounces.
Semivitreous Oxide of Lead, six ounces.
Yellow Wax, one ounce.

Melt, and mix perfectly. (MIL. COPEN.)

R. Calamine, } of each,
Semivitreous Oxide of Lead, } half a pound.
Subcarbonate of Lead, }
Olibanum, half an ounce.
Mastic, one ounce.
Olive Oil, a sufficient quantity.

Make a plaster. (HERBIP.)

R. Wax, three ounces.
Stag's Suet, four ounces.
Turpentine, one ounce and a half.

Melt, and add

Semivitreous Oxide of Lead, } of each,
Powdered Calamine, } one ounce
Tutty, } and a half.
Mastic, } of each,
Olibanum, } half an ounce.

Camphor, triturated with a little oil, one dram.

Mix. (SPIELMANN)

BRUNS.; and WIRTEM. prescribe three ounces of wax, four of suet, one ounce and a half of turpentine, one of calamine, two ounces of semivitreous oxide, half an ounce each, of tutty, of mastic, and of olibanum, two drams of myrrh, and one dram and a half of camphor.—PALAT.—eight ounces each, of wax and of suet, six of turpentine, four of calamine, three each, of semivitreous oxide and of subcarbonate of lead, and half an ounce each, of tutty, of mastic, of olibanum, of myrrh, and of camphor.

DIAPOMPHOLIGOS PLASTER.

Emplastrum diapompholigos seu zincio-plumbicum. (AMST.; BATAV.; BRUNS.; FENN.; HANN.; SAX.; SUEC.; WIRTEM.; SPIELMANN; VAN MONS)

R. Calamine Plaster, sixteen parts.
Calcined Lead, one part.

Melt, and mix well. (SAX.)

R. Oil of Black Nightshade, thirty-four parts.
Subcarbonate of Lead, ten parts.

Boil, and add

Wax, thirty-four parts.
Calcined Lead, six parts.
Oxide of Zinc, } of each, four parts.
Olibanum, }

Mix. (SPIELMANN)

BRUNS.; and WIRTEM. prescribe two pounds and a half of oil of black nightshade, one ounce and a half of subcarbonate of lead, thirty ounces of white wax, one ounce and a half of calcined lead, and four ounces each, of oxide of zinc and of olibanum.—VAN MONS—six parts of olive oil, ten of subcarbonate of lead, eight of wax, one of resin, and two each, of calcined lead, of oxide of zinc, and of tutty.

R. Olive Oil, half a pound.
Yellow Wax, one pound.

Melt together, and add

Calcined Lead, half a pound.
Subcarbonate of Lead, four ounces.
Oxide of Zinc, three ounces.
Olibanum, one ounce and a half.

Mix intimately. (FENN.; SUEC.)

BATAV. prescribes seven parts of oil, twelve of wax, six of calcined lead, four of subcarbonate of lead, three of oxide of zinc, and one and a half of olibanum.—AMST.—thirty of oil, thirty-six of wax, twelve of calcined lead, eight of subcarbonate, six of oxide of zinc, and two and a half of olibanum.—HANN.—fifteen of oil, sixteen of wax, three each, of calcined lead and of subcarbonate, and two each, of oxide of zinc and of olibanum.

MYNSICHT'S SATURNINE PLASTER. (PALAT.; WIRTEM.)

R. Goat's Suet, } of each,
White Wax, } one ounce and a half.
Turpentine, } six drams.

Melt, and add

Powdered Calcined Lead, two ounces.
———— Calamine, } of each,
———— Subcarbonate } half
of Lead, } an ounce.
———— Nihil Album, } of each,
———— Tutty, } two drams.
———— Myrrh, } of each, one dram.
———— Mastic, }

VOL. II.

Powdered Olibanum, one dram.
———— Aloes, } of each,
———— Camphor, } half a dram.
———— Nitre, }

Mix. (PALAT.)

WIRTEM. prescribes five ounces each, of suet and of yellow wax, two each, of turpentine and of calcined lead, half an ounce each, of calamine and of subcarbonate of lead, two drams each, of oxide of zinc and of tutty, one dram each, of myrrh, of mastic, of olibanum, of aloes, and of nitre, and half a dram of camphor.

DIAPOMPHOLIGOS OINTMENT.

Unguentum diapompholigos seu Pompholigos seu exsicicans seu ad Ambusta. (BRUNS.; OLDEN.; PALAT.; SARD.; WIRTEM.; SPIELMANN; VAN MONS)

R. Unguentum Nutritum, thirty-two ounces.
Powdered Calamine, four ounces.

Mix. (OLDEN.)

R. Camphor, one dram.
Subcarbonate of Lead, half an ounce.
Yellow Wax, } of each, two ounces.
Calamine, }
Olive Oil, five ounces.

Triturate the subcarbonate and calamine with a little oil, add the remainder of the oil melted with the wax, then the camphor, triturated with oil, and stir constantly till cold. (VAN MONS)

R. Oil of Black Nightshade, sixteen ounces.
Wax, five ounces.

Wax,

Melt slowly, and add

Powdered Subcarbonate of Lead, two ounces.
———— Oxide of Zinc, } of each,
———— Calcined Lead, } one ounce.
———— Olibanum, }

Mix. (SPIELMANN)

R. Rose Oil, two pounds.
Juice of Black Nightshade Berries, four ounces.

Boil to the consumption of the humidity, and add

White Wax, six ounces.
Powdered Subcarbonate of Lead, two ounces.
———— Calcined Lead, } of each,
———— Tutty, } one ounce.
———— Olibanum, }

Mix. (SARD.)

BRUNS.; and WIRTEM. prescribe six ounces of rose oil, four each, of black nightshade berries and of wax, and one ounce each, of calcined lead, of oxide of zinc, and of olibanum.—PALAT. gives the same pro-

5 B

portions, but reduces the wax to three ounces, and replaces the calcined lead by two ounces of subcarbonate.

COMPOUND OINTMENT OF CALAMINE.

Unguentum Calaminæ compositum seu exsiccans rubrum Acrelii. (FENN.; SUEC.)

R. Calamine,
Semivitreous Oxide of Lead,
Subcarbonate of Lead,
Red Oxide of Lead,
Acetate of Lead, } of each,
Goat's Suet, } half a pound.
Linseed Oil, } three ounces.
one pound.
eight ounces.

Melt the suet, add the oil, then the powders, and when the mass is a little cooled,
Powdered Camphor, three drams.

Mix.

AMMONIURET OF ZINC. (VAN MONS)

R. Solution of Acetate of Zinc, any quantity.
Ammonia, a sufficient quantity.

Add the latter to the former till it ceases to effect a precipitate. Wash and dry this in the smallest possible quantity of solution of ammonia; then filter, evaporate, and crystallize.

SULPHATE OF ZINC.

Vitriolum album seu Goslariense seu Zinci, Sulphas Zinci seu zincicum, Zincum sulphuricum, Gilla Vitrioli seu Theophrasti, Sal vomitorium Vitrioli, Chalcantum album.—White Vitriol, White Copperas.

1. *That which is found in commerce.*

AMER.; AMST.; BATAV.; BELG.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HAMB.; HASS.; LIPP.; LUSIT.; CAST. BORUS.; ROSS.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; COXE; PARIS; PIDERIT; SAUNDERS; SPIELMANN.

2. *Purification of that of commerce.*

R. White Vitriol, any quantity
Having calcined it, dissolve it in water, and crystallize several times successively. (GALL.)

WIRTEM. omits the calcination.—FULD.; LIPP.; and HERBIP. direct one pound of the salt to be dissolved in two pounds of boiling water, the solution to be left in digestion for six hours on six drams of shot-zinc, then to be evaporated and crystallized.

3. *Prepared expressly.*

LOND.; EDINB.; DUBL.; ANT.; AUSTR.;

BATAV.; BAVAR.; BELG.; HISP.; GALL.; FERR.; FENN.; HANN.; OLDEN.; POL.; BORUS.; SAX.; SUEC.; BRUGNATELLI; COXE; SWEDIAUR; VAN MONS.

Zinci Sulphas.

R. Zinc, broken into small pieces, four ounces.
Sulphuric Acid, by weight, six ounces.
Water, four pints.

Mix in a glass vessel, and when the effervescence has ceased, filter the solution through paper; then boil till a pellicle appears on the surface, and set it aside to crystallize. (LOND.)

R. Zinc, in small pieces, three parts.
Sulphuric Acid, five parts.
Water, twenty parts.

Mix, and when the effervescence has ceased, digest for a short time in a sand-bath. Filter the decanted solution through paper; then evaporate, and set aside to crystallize. (EDINB.)

R. Zinc, in small pieces, thirteen parts.
Sulphuric Acid, twenty parts.
Water, one hundred and twenty parts.

Pour the acid mixed with the water upon the zinc in a glass vessel. Digest for a short time after the effervescence has ceased; then evaporate the strained solution to the required degree, and set it apart to crystallize. (DUBL.)

R. Sulphuric Acid (20 degrees), any quantity.

Put it into a glass capsule placed in a sand-bath, and when it is moderately heated, add shot-zinc gradually to it, dilute the liquor with a little water, saturate, evaporate, and crystallize.

This salt is employed externally as astringent, and internally as tonic and astringent, in the dose of from one to five grains twice or thrice a day, and as emetic, in that of from ten to twenty grains in distilled water.

EXPECTORANT PILLS. (ELLIS; PARIS)

R. Sulphate of Zinc, half a scruple.
Conserve of Roses, a sufficient quantity.

Make twenty pills.—Dose, one, three or four times a day, in whooping cough and phthisis pulmonalis. (ELLIS)

- R. Sulphate of Zinc, ten grains.
Myrrh, one dram and a half.
Conserve of Roses, a sufficient quantity.

Make twenty pills. They are prescribed in hooping cough. (ELLIS; PARIS)

SIMPLE AQUEOUS SOLUTION OF SULPHATE OF ZINC. (AMER.; COXE; NIEMANN)

1. For external use.

- R. Sulphate of Zinc, two grains.
Chamomile Water, three ounces.

Dissolve.—Dose, one spoonful, two or three times a day.

WYLIE administers every two or three hours, in malignant fevers, a spoonful of a solution of nine grains of sulphate of zinc in six ounces of elder-flower water.

MOSELEY also recommends in chronic dysentery without fever, a solution of three drams of sulphate of zinc and two drams of alum in half an ounce of spirit of lavender and one pint of water, in the dose of from four to six drams in water, which he sometimes repeats at the end of three hours.

We also find in AMER.; and COXE a similar preparation, of which the following is the formula:

- R. Quassia Wood, one dram.
Sulphate of Zinc, eight grains.
Water, half a pint.

Macerate for twelve hours, and strain.

2. For internal use.

A.

In the form of Gargle. (AUGUSTIN; NIEMANN)

- R. Sulphate of Zinc, one dram.
Distilled Water, six ounces.
Honey, one ounce.

Dissolve. (NIEMANN)

- R. Sulphate of Zinc, fifteen grains.
Infusion of Sage, six ounces.

Dissolve. (AUGUSTIN)

B.

In the form of Collyrium.—*Aqua ophthalmica seu ophthalmica adstringens seu vitriolica seu e Vitriolo Zinci, Aqua Vitrioli albi, Solutio Sulphatis Zinci, Collyrium vitriolicum seu e Zinco sulphurico seu e Vitriolo albo seu Zinci.* (EDINB.; AMER.; MIL. COPEN.; GALL.; FORM. HÔP. FR.; HAMB.; LUSIT.; CAST. BORUS.; SARD.; SUEC.; WURCEB.; AUGUSTIN; BORIES; CADET DE GASSI-

COURT; COXE; DISP. CHA. PARIS; RATIER; SAUNDERS; SPIELMANN; SWEDIAUR.

- R. Sulphate of Zinc, one part.
Water, two hundred and forty parts.

Dissolve. (MIL. COPEN.; CAST. BORUS.; WURCEB.; NIEMANN)

FORM. HÔP. FR. prescribes one part of sulphate, and two hundred parts of water.—LUSIT.; SUEC.; and SPIELMANN—one of sulphate, and ninety-six of water.—MIL. COPEN.—one of sulphate, and sixty-four of water.—AMER.; and COXE—twelve grains of sulphate, and half a pint of water.—DISP. CHA. PARIS—from four to six grains of sulphate, and six ounces of water.—HAMB.—one part of sulphate, and three hundred and twenty parts of water.—RATIER—one of sulphate, and one hundred and twenty of water.—RATIER; and SWEDIAUR—one of sulphate, and ninety-six of water.—SAUNDERS; and SWEDIAUR—one of sulphate, and forty-eight of water.

Solutio Sulphatis Zinci. (EDINB.; COXE)

- R. Sulphate of Zinc, sixteen grains.
Water, eight ounces.
Dilute Sulphuric Acid, sixteen drops.

Dissolve the sulphate in the water, add the acid, and filter.

- R. Sulphate of Zinc, one grain.
Rose Water, one ounce.
Mucilage of Quince Seeds, one dram.

Mix.

- R. Sulphate of Zinc, one scruple.
Infusion of Elder, one pound.

Dissolve. (RATIER)

RATIER prescribes elsewhere one grain of sulphate, and one ounce of plantain water.—AMER.; and COXE—two drams of sulphate, two ounces of spirit of lavender, and six ounces of water.—SARD. directs the yolk of a boiled egg to be removed and replaced by sulphate of zinc, and six ounces each, of rose water and of plantain water to be added to the liquor which drops from it.—AUGUSTIN—three grains of sulphate to be dissolved in one ounce and a half of rose water beaten with the white of an egg.

- R. Sulphate of Zinc, five grains.
Plantain Water, four ounces.
Mucilage of Quince Seeds, half an ounce.

Dissolve. (CADET DE GASSICOURT)

- R. Sulphate of Zinc, one dram.
Rose Water, two pounds.
Alcohol (22 degrees), one ounce.

Dissolve. (GALL.)

R. Sulphate of Zinc, six grains.
Camphor, four grains.
Eye-bright Water, } of each, one ounce.
Rose Water, }
Plantain Water, }
Dissolve. (BORIES)

R. Sulphate of Zinc, six grains.
Distilled Water, six ounces.
Mucilage of Quince, one ounce.
Spirit of Camphor, twelve drops.
Mix. (SWEDIAUR)

C.

In the form of Lotion or Fomentation.
(PH. SYPH.; AUGUSTIN; NIEMANN;
SWEDIAUR)

R. Sulphate of Zinc, two grains.
Distilled Water, four ounces.
Dissolve. (PH. SYPH.)

NIEMANN prescribes one dram of sulphate and one ounce of water.—AUGUSTIN—three drams of sulphate, and one ounce of water.

R. Sulphate of Zinc, } of each,
Spirit of Camphor, } half an ounce.
Boiling Water, } two pounds.
Dissolve. (PH. SYPH.; SWEDIAUR)

D.

For Injection. (MIL. COPEN.; HISP.; PH. SYPH.; NIEMANN; SWEDIAUR)

R. Sulphate of Zinc, one grain.
Water, one ounce.
Dissolve. (NIEMANN)

NIEMANN also prescribes thirty-five grains of sulphate, and four ounces of water; or, from one scruple to half a dram of sulphate, and one ounce of water.

R. Sulphate of Zinc, one dram.
Camphorated Water, two ounces.
Pure Water, two pounds.
Dissolve. (PH. SYPH.; SWEDIAUR)

ASTRINGENT INJECTION.

Injeciō adstringens. (BRERA)

R. Plantain Water, six ounces.
SYDENHAM'S Laudanum, thirty drops.
Sulphate of Zinc, one scruple.
Mucilage of Gum Arabic, one ounce.

Mix.—For blenorrhœa. (BRERA)

R. Sulphate of Zinc, one scruple.
Armenian Bole, two scruples.
Gum Arabic, two drams.
Water, eight ounces.

Mix.—For blenorrhœa. (ELLIS)

R. Sulphate of Zinc, ten grains.
Gum Arabic, two drams.
Tincture of Opium, one dram.
Water, eight ounces.

Mix.—For gonorrhœa. (ELLIS)

ASTRINGENT GARGLE. (ELLIS)

R. Sulphate of Zinc, one dram.
Honey, half an ounce.
Tincture of Myrrh, } of each,
Proof Spirit, } one ounce.
Rose Water, } four ounces.

Mix.

ASTRINGENT FOMENTATION.

Fomentum tonico-adstringens. (BRERA)

R. Decoction of Pomegranate Bark, four pounds.
Cinchona, two pounds.
Sulphate of Zinc, one dram and a half.
Tincture of Opium, one ounce.

Mix.—For external piles and vaginal blenorrhœa.

RESOLVENT COLLYRIUM. (PALAT.; CADET DE GASSICOURT; SAINTE-MARIE)

R. Powdered Florentine Iris, three drams.
Sulphate of Zinc, one dram and a half.
Rose Water, } of each,
Plantain Water, } one pound and a half.
Digest for two days, and strain. (PALAT.)

R. Florentine Iris, } of each,
Sulphate of Zinc, } half a dram.
Sugar Candy, } two scruples.
Rose Water, } one pound.

Digest for three days, and strain. (CADET DE GASSICOURT; SAINTE-MARIE)

R. Fresh Yolks of Eggs, two.
Rose Water, one pound.

Triturate together, and add

Sulphate of Zinc,
from twelve to twenty-four grains.

Dissolve. (SAINTE-MARIE)

ASTRINGENT SEDATIVE INJECTION. (CADET DE GASSICOURT; PH. SYPH.)

R. Sulphate of Zinc, six grains.
Grey Oxide of Lead, twenty grains.
Rose Water, four ounces.

Mix. (CADET DE GASSICOURT)

PH. SYPH. prescribes eighteen grains of sulphate, sixty of compound powder of subcarbonate of lead, and twelve ounces of lime-flower or of rose water.

ASTRINGENT COLLYRIUM.

Collyrium adstringens. (AUGUSTIN; BRERA; CADET DE GASSICOURT; PIERQUIN)

R. Sulphate of Zinc, twenty grains.
Tutty, half a dram.

- Rose Water, } of each,
 Plantain Water, } three ounces.
 Mix. (PIERQUIN)
 R. Rose Water, three ounces.
 Sulphate of Zinc, three grains.
 SYDENHAM'S Laudanum, one scruple.
 Mix. (BRERA)
 R. Sulphate of Zinc, } of each, two ounces.
 Armenian Bole, }
 Camphor, half an ounce.
 Mix.—One dram of this powder is mixed
 with four ounces of rose water. (AUGUSTIN;
 COXE)

OPHTHALMIC LIQUOR.

Aqua ophthalmic Liquor. (SPELMANN)

- R. White Sugar Candy, one ounce.
 Root of Florentine Iris, three drams.
 Prepared Tully, two drams.
 Sarcocolla, }
 Sulphate of Zinc, } of each, one dram.
 Aloes, }
 Cloves, one scruple.
 Eye-bright Water, }
 Fennel Water, } of each,
 Rose Water, } eight ounces.
 Spanish Wine, twenty-four ounces.
 Infuse in the sun for fifteen days, and
 decant.

This liquor very much resembles another
 of the same name, also indicated by SPIEL-
 MANN, given above.

STYPTIC LIQUOR.

*Aqua seu Liquor seu Injectio adstringens
 seu Sulphatis Zinci aluminosa, Liquor
 Aluminis compositus, Solutio Zinci alumi-
 nosa, Injectio ad Leucorrhæam, Aqua
 aluminosa Bateana, Solutio vitriolica.*
 (LOND.; MIL. COPEN.; HISP.; FERR.;
 LUSIT.; AUGUSTIN; BRERA; ELLIS;
 CADET DE GASSICOURT; PIERQUIN;
 SAUNDERS; VAN MONS)

Liquor Aluminis compositus. (LOND.)

- R. Alum, } of each,
 Sulphate of Zinc, } half
 Boiling Water, } an ounce.
 Boiling Water, two pints.
 Dissolve, and filter.

MIL. COPEN.; COXE; and CADET DE
 GASSICOURT give the same formula.—AU-
 GUSTIN; CADET DE GASSICOURT; and
 VAN MONS prescribe half an ounce each,
 of the two salts, and one pound of water.—
 FERR.; and LUSIT.—half an ounce each,
 of the salts, and two pounds and a half
 of boiling water.—SAUNDERS—one dram
 each of the two salts, and one pound of

water.—ELLIS—one dram and a half of
 sulphate, half a dram of alum, and half a
 pint of boiling water.

- R. Sulphate of Zinc, } of each,
 Alum, } half an ounce.
 Rose Water, one pound.

Dissolve, and filter. (HISP.)

- R. Sulphate of Zinc, } of each, one dram.
 Alum, }
 Nettle Juice, four ounces.

Dissolve. (PIERQUIN)

- R. Sulphate of Zinc, half a dram.
 Sub-borate of Soda, one dram.
 Alum, four grains.
 Rose Water, six ounces.

Dissolve. (PIERQUIN)

- R. Decoction of Oak Bark, ten ounces.
 Dog-rose, six ounces.
 Sulphate of Zinc, one dram.
 Alum, one dram and a half.

Add to the solution,

- Alcohol, two drams.
 Aqueous Tincture of Opium,
 half a dram.

Mix. (BRERA)

It is astringent, and is employed exter-
 nally in ecchymoses, slight hæmorrhages,
 and chronic mucous discharges.—Dose, a
 spoonful, to an adult, fasting, every morn-
 ing.

TONIC COLLYRIUM. (BORIES)

- R. Fresh Rue, } of each,
 Flowers of Leopard's- } half
 bane, } a handful.
 Juniper, two drams.
 Ipecacuanha, thirty grains.
 White Wine, twelve ounces.

Infuse for twenty-four hours in warm
 ashes, and add to the strained liquor,

- Sulphate of Zinc, twenty grains.
 Muriate of Ammonia, thirty grains.

Dissolve.

YVEL'S OPHTHALMIC LIQUOR. (CADET
DE GASSICOURT)

- R. Sulphate of Zinc, three drams.
 Copper, one dram.
 Camphor, two scruples.
 Saffron, twenty grains.
 Water, one pound and a half.

Digest for twenty-four hours, and filter.
 (CADET DE GASSICOURT)

- R. Water, three pounds.
 Sulphate of Zinc, two ounces.
 Copper, four drams.
 Camphor, one dram.

Dissolve. (SAINTE-MARIE)

R. Leaves of Rue, six parts.
Hot Water, fourteen parts.

Infuse for half an hour. Add to the strained liquor,

Sulphate of Zinc, four parts.
Copper, one part.
Spirit of Camphor, one fourth part.

Dissolve. (VAN MONS)

VAN MONS gives this formula under the title of *St. Jerneron's Collyrium*.—SUEC.; and NIEMANN, under those of *Collyrium Stierncronense* seu *Decoctum Ruta zincatum* seu *Aqua ophthalmica Odhelii*, give the following proportions: two parts of rue, thirty-six of water, reduced to one half, and to twelve ounces of the strained decoction, one ounce of sulphate of zinc, three drams of sulphate of copper, and half a dram of spirit of camphor.

VULNERARY STONE.

Lapis vulnerarius externus. (FULD.)

R. Alum, } of each,
Sulphate of Zinc, } six ounces.
Acetate of Copper, } of each,
Muriate of Ammonia, } one dram.

Triturate and fuse together; keep it over the fire till perfectly dry, adding towards the end,

Saffron, half a dram.

This preparation has been recommended to be applied to ulcers, as detergent and desiccative.

OPHTHALMIC OINTMENT.

Unguentum ophthalmicum seu ad Oculi Defluxiones catarrhosas ex relaxatione. (BRUNS.; FULD.; PIERQUIN)

R. Sulphate of Zinc, one part.
Fresh Butter, seven parts.

Triturate together. (FULD.)

BRUNS. prescribes one part of sulphate, and six parts of butter.—PIERQUIN—one of sulphate, and four of butter.

VIRGINAL OINTMENT.

Pommade de la comtesse. (CADET DE GASSICOURT)

R. Sulphate of Zinc, four drams.
Leaves of Myrtle, } of each,
Sumach, } three drams.
Nut Galls, }
Cypress Nuts, } of each,
Pomegranate Bark, } two drams.
Rose Ointment, a sufficient quantity.

Mix by trituration.

POWDER AGAINST SPECKS OF THE CORNEA. (PIERQUIN)

R. Prepared Tutty, }
Sugar Candy, } of each,
Sulphate of Zinc, } one dram.
Copper, }
Acetate of Copper, }
Proto-chloruret of Mercury, }

Make a powder.

ASTRINGENT POWDER.

Pulvis Cupressi restrictivus. (HISP.)

R. Armenian Bole, }
Root of Bistort, } of each,
Petals of Red Roses, } one ounce.
Myrtle Berries, }
Cypress Nuts, }
Sulphate of Zinc, }
Tutty, }

Make a fine powder.

ACETATE OF ZINC.

Acetas seu Acetis Zinc, Zincum acetatum.

1. In the solid form.

VAN MONS.

R. Oxide of Zinc, any quantity.
Distilled Vinegar, a sufficient quantity,
to dissolve the oxide with heat. Filter, concentrate, and crystallize.

2. In the liquid form.

EDINB.; DUBL.; AMER.; DAN.; PH. SYPH.; COXE; ELLIS; NIEMANN; PLANCHE; SWEDIAUR; VAN MONS.

Solutio Acetatis Zinc. (EDINB.)

R. Sulphate of Zinc, one dram.
Acetate of Lead, four scruples.
Distilled Water, twenty ounces.

Dissolve the salts separately, each in ten ounces of the water; then mix the solutions, and filter after the precipitate has subsided.

SWEDIAUR prescribes one dram each, of the two salts and three ounces of boiling water.—PLANCHE—twenty grains, each, of the salts, and six ounces of water.—AMER.; and NIEMANN—twelve grains of sulphate of zinc, sixteen of acetate of lead, and half a pint of water.—COXE; and NIEMANN give the same formula as EDINB.

R. Oxide of Zinc, any quantity.
Acetic Acid, a sufficient quantity,
to dissolve the oxide. Take twenty drops of the solution, and add to it four ounces of water. (PH. SYPH.)

These solutions are employed in the form of collyrium, or in that of injection in blenorrhœa.

VAN MONS proposes to triturate together twelve grains of sulphate of zinc, half a dram of acetate of lead, six ounces of rose water to be added, and the solution filtered; he gives this under the name of *Ophthalmic Liquor*.—ELLIS also gives, under the name of *Astringent Collyrium*, a solution of six grains each, of sulphate of zinc and of subacetate of lead, in four ounces of rose water.

It would be better to dissolve the dry acetate in rose water; a scruple, for instance, of the salt in eight ounces of the water.

ELLIS gives an astringent injection for gonorrhœa, of eight grains of acetate of zinc dissolved in four ounces of rose water.

AUGUSTIN quotes a similar injection, which he extols in the same case, consisting of eight or ten grains of the acetate dissolved in four or six ounces of distilled water.

PIERQUIN prescribes a collyrium prepared with one dram and a half of sulphate of zinc, two scruples of acetate of lead, and four ounces each of plantain water, and of rose water.

ANTI-OPHTHALMIC LIQUOR.

Aqua ophthalmica alba Danica. (AUGUSTIN; SPIELMANN)

R. Sulphate of Zinc, one dram.
Acetate of Lead, half a dram.
Camphor, one scruple.
Rose Water, twelve ounces.

Dissolve and filter. (SPIELMANN)

AUGUSTIN prescribes a scruple of sulphate, half a dram of acetate, two drams of spirit of camphor, and ten ounces of distilled water.

ASTRINGENT GARGLE.

Collutorium adstringens seu e Zinco compositum. (SPIELMANN; SWEDIAUR)

R. Rhazes' Trochiscs, one dram.

Sulphate of Zinc, half a dram.
Acetate of Lead, half a scruple.
Rose Water, four ounces.

Mix. (SPIELMANN)

R. Sulphate of Zinc, eight grains.
Solution of Acetate of Lead, eight drops.
Rose Water, four ounces.

Mix, and add, if required, one ounce of camphor mixture. (SWEDIAUR)

ASTRINGENT INJECTION.

Injectio ad Blenorrhœam. (BORIES PH. SYPH.)

R. Sulphate of Zinc, two drams.
Acetate of Lead, four scruples.
Camphor, one scruple and a half.
Aqueous Extract of Opium, one scruple.
Rose Water, from two to four pounds.

Dissolve. (PH. SYPH.)

R. Sulphate of Zinc, }
Acetate of Lead, } of each, one dram.
Alum, }
Camphor, ten grains.
Rose Water, }
Pure Water, } of each, eight ounces.

Dissolve. (BORIES)

The injection may be repeated twice or thrice a day.

TINCTURE OF ACETATE OF ZINC.

Tinctura Acetatis Zinci, Acetas Zinci diluta. (DUBL.; COXE; NIEMANN)

Tinctura Acetatis Zinci. (DUBL.)

R. Sulphate of Zinc, } of each,
Acetate of Potass, } one part.

Triturate together, and add

Rectified Spirit, sixteen parts.

Macerate for a week, occasionally agitating, and filter through paper.

It is employed in collyrium, and in injections in blenorrhœa.

ZIRCONA.

This substance is considered to be a metallic oxide; the only compound of it employed in medicine is the following:

SILICATE OF ZIRCONA; HYACINTH.

Hyacinthus.

SYNONIMES:—Hyacinthe, FR.; Hiacinth, GERM.; Jacintho orientale, SPAN.

HISP.; WIRTEM.; GUIBOURT; SPIELMANN.

A very hard, vitreous, infusible stone, of an orange-yellow colour.

THE FIVE PRECIOUS STONES. (WIRTEM.)

R. Garnet, }
Hyacinth, } of each, an equal part.
Sapphire, }

Cornelian, }
Emerald, } of each, an equal part.
Mix, and pulverize.—This mixture is perfectly inert.

ZIZYPHUS SATIVUS, CAND.—JUJUBE TREE.

SYNONIMES:—Jubier, FR.; Brustbeerstrauch, GERM.; Azufeifas, SPAN.; Jotlenboom, DUT.; Ginggiolo, ITAL.; Alafegas, PORT.

ANT.; BAVAR.; HISP.; GALL.; FERR.; WIRTEM.; BRUGNATELLI; BERGIUS; GUIBOURT; MURRAY and GMELIN; SPIELMANN.

A shrub of the East Indies, but cultivated in the south of Europe. (*Pentandria Digynia*, LINN.; *Rhamnea*, JUSS.; *Fig. Nouv.* Duh. III. t. 16.)

The fruit, called *Jujubes*; *Jujubæ* seu *Baccæ Jujubæ* seu *Zizyphi*, is employed.

It consists of drupes of the size and form of an olive of a reddish-brown colour, containing under a thick pellicle, a soft yellow-coloured, mucilaginous flesh, of a sweet and mucilaginous taste, and covering an oblong, hard, grooved stone.

AINSLIE says that the Indians prescribe the decoction of the root in certain fevers, but he thinks it does not possess much activity.

PECTORAL SPECIES.

Species pro Decocto Florum et Fructuum.
(PALAT.; WIRTEM.)

R. Root of Liquorice, } two ounces.
Herb of Montpellier }
Maidenhair, } of each,
Endive, } two drams.
Flowers of Borage, }
Bugloss, } of each,
Violet, } one dram.
Roses, }
Hop, } two drams.
Jujubes, }
Carob Beans } of each,
Damask Plums, } two ounces.
Tamarinds, } one ounce.

Cut and mix. (WIRTEM.)

PALAT. omits the carob beans but prescribes twenty each, of jujubes, of damask plums, and of sebestes.

PECTORAL FRUITS. (GALL.)

R. Jujubes, }
Dates, stoned, } of each
an equal part.

Figs, }
Raisins, } of each,
an equal part.
Mix.

PULP OF JUJUBES.

Pulpa Jujubarum. (GALL.)

R. Jujubes, } any quantity.
Water, } a sufficient quantity.

Boil till the fruit is softened; then pass the pulp through a hair sieve, mix the water of the decoction with, and evaporate the whole slowly to the proper consistence.

JUJUBE PASTE. (BAVAR.; GALL.; NIEMANN)

R. Jujubes, } one pound.
Gum Senegal, } six pounds.
White Sugar, } five pounds.
Filtered Water, } thirty pounds.
Tincture of Lemon Peel, } one ounce.

Boil the fruit in ten pounds of the water, strain the decoction, and dissolve the gum in the remainder of the water; mix the two strained liquors, add the sugar, and add the whites of five eggs beaten with water, and boil, skimming, till the liquor is reduced to one third; then having strained it through a linen cloth, and evaporated it to the consistence of thick syrup, add the tincture, and continue the evaporation, in a water-bath, till the whole has acquired the consistence of a soft extract; finally pour it into oiled iron-moulds and dry in a stove. (GALL.)

BAVAR. and NIEMANN direct one part each, of jujubes, and of corinth raisins, to be boiled in thirty-six parts of water till reduced to twenty-four, twice its weight of sugar to be added to the strained decoction, and then one half part of white of egg beaten with a little water; the mixture then having been evaporated to the consistence of syrup, twenty-four parts of mucilage of gum arabic to be added, and the whole evaporated to the proper consistence; then to be poured into moulds, and dried at a gentle heat.

SYRUP OF JUJUBES.

Syrupus de Jujubis. (BRUNS.; WIRTEM.; SPIELMANN)

R. Fresh Jujubes, } three ounces.

Liquorice, six drams.
 Montpellier Maidenhair, } of each,
 Flowers of Violet, } five drams.
 Seeds of Mallow, } of each,
 ——— Quince, } three drams.
 ——— White Poppy, }
 Spring Water, two pounds and a half.

Boil till reduced to eighteen ounces. Dissolve in this,

Gum Tragacanth, one dram.
 White Sugar, thirty-two ounces.

Preserve. (BRUNS.; WIRTEM.)

R. Jujubes, three ounces.
 Root of Liquorice, } of each,
 Montpellier Maidenhair, } one ounce.
 Pearl Barley, }
 Water, forty-four ounces.

Boil down to thirty-six ounces, adding towards the end,

Flowers of Violet, five ounces.

Then make an emulsion of the strained liquor with

Seeds of Mallow, five ounces.
 ——— Quince, } of each,
 ——— White Poppy, } three drams.
 ——— Melon, }
 ——— Lettuce, }

Then dissolve in the liquor,

Sugar, twenty-four ounces.
 Gum Tragacanth, three drams.

Boil to the consistence of syrup. (SPIELMANN)

PECTORAL DECOCTION.

Decoctum pectorale. (SARD.; CADET DE GASSICOURT)

R. Jujubes, half an ounce.

Figs, cut, }
 Raisins, } of each, half an ounce.
 Liquorice, }
 Water, six pounds.

Boil the fruits in the water till this is reduced to two thirds; then remove from the fire, add the liquorice, infuse for a short time, and strain. (SARD.)

CADET DE GASSICOURT prescribes two ounces of pectoral fruits and two pounds and a half of water, to be boiled down to two pounds.

PECTORAL BROTH. (PIERQUIN; SAINTE-MARIE)

R. Calf's Lung, } of each, one half.
 Neck of Mutton, }
 Jujubes, twenty,
 Dates, twelve,
 Damask Raisins, half an ounce.
 Turnips, two ounces.
 Grits, two drams.
 Conserve of Angelica, one ounce.
 Water, three pounds.

Boil. (PIERQUIN)

R. Calf's Lung, } of each, one half.
 Chicken, }
 Jujubes, twelve or fifteen.
 Pearl Barley, two table spoonfuls.
 Water, two pounds.

Boil down to two thirds, with skimming, and add, a few minutes before removing it from the fire, a handful of fresh leaves of lungwort.

FINIS.

