

of dissolving even a larger proportion of camphor than is directed in the above formula.

This solution is a powerful analeptic remedy. Its vapour, snuffed up the nostrils, which is the only method of using it, is one of the most pungent stimuli we possess. It is so extremely volatile and corrosive, that it is difficult to preserve, except in glass phials, with ground glass stoppers, or in small gold boxes, such as are used for Henry's aromatic spirit of vinegar, for which it is in fact an officinal substitute.

---

### CHAP. XXXI.—TINCTURES.

THE term Tincture has often been employed in a very vague sense. It is now commonly applied to solutions, made by infusion or digestion, in alcohol, or diluted alcohol. But it is also, though perhaps incorrectly, extended to solutions in ether, ethereal spirits, and spirit of ammonia.

Alcohol is capable of dissolving resins, gum resins, extractive, tannin, sugar, volatile oils, soaps, camphor, adipocere, colouring matters, acids, alkalies, and some compound salts. Many of these, as the gum resins, soaps, extractive, tannin, sugar, and saline substances, are also soluble in water, while water is capable of dissolving substances, such as gum, gelatin and most of the compound salts, which are insoluble in alcohol. But the insolubility of these substances in the different menstrua is not absolute, but merely relative; for a certain proportion of alcohol may be added to a solution of gum in water without decomposing it; and a solution of resin in alcohol will bear a certain admixture of water without becoming turbid. Therefore, diluted alcohol, which is a mixture of these two menstrua, sometimes extracts the virtues of heterogeneous compounds more completely than either of them separately.

Alcohol is used as a menstruum,

1. When the solvent is not soluble, or is only sparingly soluble in water.
2. When a watery solution of the solvent is extremely perishable.
3. When the use of alcohol is indicated as well as that of the solvent.

In making alcoholic tinctures, we must observe that the virtues of recent vegetable matters are very imperfectly extracted

by spiritous menstrea. They must therefore be previously carefully dried, and as we cannot assist the solution by means of heat, we must facilitate it by the mechanical division of the solvend. A coarse powder often answers best, as, when too minute, it is apt to settle and agglutinate. To prevent loss, the solution is commonly made in a close vessel, and the heat applied must be very gentle, lest it be broken by the expansion of vapour.

The action of tinctures on the living system is always compounded of the action of the menstruum, and of the matters dissolved in it. Now, these actions may either coincide with, or oppose each other; and as alcohol is at all times a powerful agent, it is evident that no substance should be exhibited in the form of a tincture, whose action is different from that of alcohol, unless it be capable of operating in so small a dose, that the quantity of alcohol taken along with it is inconsiderable.

Tinctures are not liable to spoil, as it is called, but they must nevertheless be kept in well-closed phials, especially when they contain active ingredients, to prevent the evaporation of the menstruum.

They generally operate in doses so small, that they are rarely exhibited by themselves, but commonly combined with some vehicle, which ought not to decompose the tincture, or at least not separate any thing from it in a palpable form.

The colleges direct all tinctures to be prepared in closed phials, and to be frequently shaken during the process.

TINCTURA ALOES SOCOTORINE. *Ed.*

*Tincture of Socotorine Aloes.*

Take of

Socotorine aloes, in powder, half an ounce;

Extract of liquorice, an ounce and a half;

Alcohol, four ounces;

Water, one pound.

Digest for seven days in a close vessel, with a gentle heat, and frequent agitation, (precautions which are to be observed in preparing all tinctures,) and pour off the depurated tincture.

TINCTURA ALOES. *Dub.*

*Tincture of Aloes.*

Take of

Socotorine aloes, powdered, half an ounce;

Extract of liquorice, dissolved in eight ounces of boiling water, an ounce and a half;  
 Proof-spirit, eight ounces, by measure.  
 Digest for seven days, then strain.

*Lond.*

Take of

Extract of spiked aloes, in powder, half an ounce;  
 Extract of liquorice, one ounce and a half;  
 Water, a pint;  
 Rectified spirit, four fluidounces.  
 Macerate in a sand bath until the extracts be dissolved, then strain.

THIS is one of the simplest of the aloetic tinctures, and is one of the best formulæ for the exhibition of that useful drug in a fluid form. The liquorice is added to cover the taste of the aloes, and to assist in suspending it in the fluid. About an ounce may be taken for a dose.

TINCTURA ALOES ET MYRRHÆ. *Ed.**Tincture of Aloes and Myrrh.*

Take of

Myrrh, in powder, two ounces;  
 Alcohol, one pound and a half;  
 Water, half a pound.  
 Mix the alcohol with the water, then add the myrrh; digest for four days; and, lastly, add  
 Socotorine aloes, in powder, one ounce and a half;  
 Saffron, cut in pieces, one ounce.  
 Digest again for three days, and pour off the tincture from the sediment.

TINCTURA ALOES COMPOSITA. *Lond. Dub.**Compound Tincture of Aloes.*

Take of

Socotorine aloes,  
 Saffron, of each three ounces;  
 Tincture of myrrh, two pints.  
 Digest for seven days (macerate for a fortnight, *Lond.*), and strain.

THIS is supposed to be an improvement on the elixir proprietatis of Paracelsus. These tinctures differ considerably in strength; the latter contains one part of aloes to eight of the menstruum; the former one to sixteen, while the simple

tincture already mentioned contains but one to thirty-two. In prescription these proportions must be attended to. The myrrh and saffron may add to its stimulating properties.

TINCTURA AMOMI REPENTIS. *Ed.*

*Tincture of Cardamom.*

Take of

Lesser cardamom seeds, bruised, four ounces;

Diluted alcohol, two pounds and a half.

Digest for seven days, and filter through paper.

TINCTURA CARDAMOMI. *Lond. Dub.*

*Tincture of Cardamom.*

Take of

Lesser cardamom seeds, husked and bruised, three ounces;

Proof-spirit, two pints.

Digest for seven days (macerate for fourteen days, *Lond.*), and strain.

TINCTURE of Cardamoms has been in use for a considerable time. It is a pleasant warm cordial; and may be taken, along with any proper vehicle, in doses of from a drachm to a spoonful or two.

TINCTURA CARDAMOMI COMPOSITA. *Dub.*

*Compound Tincture of Cardamom.*

Take of

Lesser cardamom seeds, husked and bruised,

Cochineal, in powder,

Caraway seeds, each, powdered, two drachms;

Cinnamon, bruised, half an ounce;

Proof-spirit, two pints.

Digest for fourteen days, and strain.

*Lond.*

Take of

Cardamom seeds,

Caraway seeds,

Cochineal, of each, powdered, two drachms;

Cinnamon-bark, bruised, half an ounce;

Raisins, stoned, four ounces;

Proof-spirit, two pints.

Macerate for fourteen days, and strain.

This tincture is somewhat less stimulant than the compound tincture of cinnamon, which, besides a larger propor-

tion of aromatics, contains also long pepper. The large proportion of raisins used by the London college forms only a very uneconomical and inelegant method of sweetening an aromatic tincture.

TINCTURA ANGUSTURÆ. *Dub.*

*Tincture of Angustura.*

Take of

Angustura bark, in coarse powder, two ounces;  
Proof-spirit of wine, two pints;  
Digest for seven days, and filter.

ANGUSTURA bark readily gives out its active principles to alcohol; hence the tincture is a convenient and useful preparation.

TINCTURA ARISTOLOCHIE SERPENTARIÆ. *Ed.*

*Tincture of Snake-Root.*

Take of

Virginian snake-root, bruised, two ounces;  
Cochineal, in powder, one drachm;  
Diluted alcohol, two pounds and a half.

Digest for seven days, and strain through paper.

TINCTURA SERPENTARIÆ. *Lond. Dub.*

*Tincture of Snake-Root.*

Take of

Virginian snake-root, sliced and bruised, three ounces;  
Proof-spirit, two pints;  
Digest for seven days (macerate for fourteen, *Lond.*), and strain.

THIS tincture, which contains the whole virtues of the root, may be taken to the quantity of a spoonful or more every five or six hours; and to this extent it often operates as an useful diaphoretic.

TINCTURA AURANTII. *Lond. Dub.*

*Tincture of Orange-peel.*

Take of

Fresh orange-peel, three ounces;  
Proof-spirit, two pints;  
Digest for three days (macerate for fourteen days, *Lond.*), and strain.

THIS tincture is an agreeable bitter, flavoured at the same time with the essential oil of the orange-peel.

TINCTURA BENZOINI COMPOSITA. *Ed.*  
*Compound Tincture of Benzoin.*

Take of

Benzoin, in powder, three ounces ;  
 Balsam of Tolu, one ounce ;  
 Socotorine aloes, in powder, half an ounce ;  
 Alcohol, two pounds.

Digest with a gentle heat for seven days, and strain.

TINCTURA BENZOES COMPOSITA. *Dub.* TINCTURA BENZOINI  
 COMPOSITA. *Lond.*  
*Compound Tincture of Benzoin.*

Take of

Benzoin, three ounces ;  
 Purified storax, two ounces ;  
 Balsam of Tolu, one ounce ;  
 Socotorine aloes, half an ounce ;  
 Rectified spirit of wine, two pints.

Digest for seven days (macerate for fourteen days, *Lond.*),  
 and filter.

THESE preparations may be considered as simplifications  
 of some very complicated compositions, which were cele-  
 brated under different names ; such as Baume de Comman-  
 deur, Wade's balsam, Friars balsam, Jesuits drops, &c.  
 These, in general, consisted of a confused farrago of discor-  
 dant substances.

TINCTURA CAMPHORÆ. *Ed.*  
*Tincture of Camphor.*

Take of

Camphor, one ounce ;  
 Alcohol, one pound.

Mix them together, that the camphor may be dissolved.  
 It may also be made with a double, triple, &c. proportion of  
 camphor.

SPIRITUS CAMPHORÆ. *Lond.*  
*Spirit of Camphor.*

Take of

Camphor, four ounces,  
 Rectified spirit, two pints.

Mix so as to dissolve the camphor.

SPIRITUS CAMPHORATUS. *Dub.*  
*Camphorated Spirit.*

Take of

Camphor, one ounce ;  
 Rectified spirit of wine, eight ounces, by measure.

Mix so as to dissolve the camphor.

THESE solutions of camphor are only employed for external uses, against rheumatic pains, paralytic numbnesses, inflammations, for discussing tumours, preventing gangrenes, or restraining their progress. They are too pungent to be exhibited internally, and cannot be diluted with water, without being totally decomposed.

TINCTURA CASCARILLE. *Lond. Dub.*  
*Tincture of Cascarilla.*

Take of

The bark of cascarilla, powdered, four ounces ;  
 Proof-spirit, two pints.

Digest for seven days, *Dub.* (macerate for fourteen days, *Lond.*), and strain.

THE proportion of alcohol is here so large, as indeed it is in most of the tinctures of this kind, that it is merely to be considered as a concealed dram.

TINCTURA CASTOREI. *Lond. Dub.*  
*Tincture of Castor.*

Take of

Russian castor, powdered, two ounces ;  
 Proof-spirit, two pints.

Digest (macerate, *Lond.*) for seven days, and strain.

*Ed.*

Take of

Russian castor, an ounce and a half ;  
 Alcohol, one pound.

Digest for seven days, and strain through paper.

It has been disputed, whether a weak or rectified spirit, and whether cold or warm digestion, are preferable for making this tincture ; but, from experiment, it appears that castor, macerated without heat, gives out its finer and most grateful parts to either spirit, but most perfectly to the rectified : that heat enables both to extract the greatest part of its

grosser and more nauseous matter; and that proof-spirit extracts this last more readily than rectified.

The tincture of castor is recommended in most kinds of nervous complaints and hysteric disorders: in the latter, it sometimes does service, though many have complained of its proving ineffectual. The Dublin college has two tinctures of castor, which differ only in the one being made with Russian, and the other with Canadian castor. The dose is from twenty drops to forty, fifty, or more.

TINCTURA CAPSICI. *Lond. Dub.*

*Tincture of Capsicum.*

Take of

Capsicum pods, an ounce;

Proof-spirit, two pints.

Macerate for fourteen days, and filter.

THIS is a very powerful acrid stimulant. It has been recommended in gangrenous sore throats.

TINCTURA CINCHONÆ OFFICINALIS. *Ed.* TINCTURA CINCHONÆ. *Dub.*

*Tincture of Cinchona.*

Take of

Cinchona bark, in coarse powder, four ounces;

Diluted alcohol, two pounds and a half (two pints, *Dub*).

Digest for seven days, and strain through paper.

TINCTURA CINCHONÆ. *Lond.*

*Tincture of Cinchona.*

Take of

Lance-leaved cinchona bark, in powder, seven ounces;

Proof-spirit, two pints.

Macerate for fourteen days, and filter.

THIS tincture is certainly impregnated with the virtues of cinchona, but not to such a degree that it can be given in sufficient doses to act as cinchona, without exhibiting more alcohol than what is proper to be given as a medicine. Indeed, we are afraid that this and other bitter and tonic tinctures, as they are called, are with some only an apology for dram-drinking, and that the most certain effects they produce are slight degrees of intoxication. That of the London college is the best, as containing most bark.



TINCTURA CINCHONÆ COMPOSITA. *Lond. Dub.*  
*Compound Tincture of Cinchona.*

Take of

- Peruvian bark, powdered, two ounces ;
- Rind of Seville oranges, dried, one ounce and a half (half an ounce, *Dub.*) ;
- Virginian snake-root, bruised, three drachms ;
- Saffron, one drachm ;
- Cochineal, powdered, two scruples ;
- Proof-spirit, twenty fluidounces.

Digest (macerate, *Lond.*) for fourteen days, and strain.

THIS is said to be the same with the celebrated *Huxham's Tincture of Bark*.

As a corroborant and stomachic, it is given in doses of two or three drachms : but when employed for the cure of intermittents, it must be taken to a greater extent.

TINCTURA CINNAMOMI COMPOSITA ; olim TINCTURA AROMATICA. *Ed.*

*Compound Tincture of Cinnamon, formerly Aromatic Tincture.*

Take of

- Cinnamon, bruised,
- Lesser cardamom seeds, bruised, each one ounce ;
- Long pepper, in powder, two drachms ;
- Diluted alcohol, two pounds and a half.

Digest for seven days, and filter through paper.

*Lond. Dub.*

Take of

- Cinnamon, bruised, six drachms ;
- Lesser cardamom seeds, husked and bruised, three drachms ;
- Long pepper, in powder,
- Ginger, sliced, of each two drachms ;
- Proof-spirit, two pints.

Mix and digest for seven days (macerate for fourteen, *Lond.*) Then strain.

IN their formula, the Dublin and London colleges diminish the quantity of cardamom seeds, and substitute for it a proportion of ginger. This makes no alteration in the virtues of the preparation, which is a very warm aromatic, too hot to be given without dilution. A tea-spoonful or two may be taken in wine, or any other convenient vehicle, in languors, weakness of the stomach, flatulencies, and other similar complaints ; and in these cases it is often employed with advantage.

TINCTURA COLOMBÆ. *Ed.* TINCTURA COLUMBO. *Dub.*  
*Tincture of Colomba.*

Take of

Colomba root, powdered, two ounces ;  
 Proof-spirit of wine, two pints,

Digest for seven days, and filter through paper.

TINCTURA CALUMBÆ. *Lond.*  
*Tincture of Colomba.*

Take of

Colomba root, sliced, two ounces and a half ;  
 Proof-spirit, two pints.

Macerate for fourteen days, and strain.

THIS is a very good stomachic tincture, which may be used when the stomach will not bear the colomba in powder.

TINCTURA CONVULVULI JALAPÆ. *Ed.*  
*Tincture of Jalap.*

Take of

Jalap, in powder, three ounces ;  
 Diluted alcohol, fifteen ounces,

Digest for seven days, and strain the tincture through paper.

TINCTURA JALAPÆ. *Lond.*  
*Tincture of Jalap.*

Take of

Jalap, in powder, eight ounces ;  
 Proof-spirit, two pints.

Macerate for fourteen days, with a gentle heat, and filter.

*Dub.*

Take of

Jalap in coarse powder, five ounces ;  
 Proof-spirit, two pints.

Digest for seven days, and filter.

ALCOHOL was formerly ordered for the preparation of this tincture ; but diluted alcohol is a preferable menstruum, as it dissolves the active constituents of the jalap, as well as pure alcohol, and is less stimulating. The Edinburgh is the weakest, the London the strongest.

TINCTURA CROCI ANGLICI. *Ed.* TINCTURA CROCI. *Dub.*  
*Tincture of Saffron.*

Take of

English saffron, cut in shreds, one ounce ;

Diluted alcohol, fifteen ounces (one pint, *Dub.*).

Digest for seven days, and strain through paper.

THE proof-spirit is a very proper menstruum for extracting the medical virtues of the saffron, and affords a convenient mode of exhibiting that drug.

TINCTURA DIGITALIS PURPUREÆ. *Ed.*

*Tincture of Foxglove.*

Take of

The dried leaves of foxglove, one ounce ;  
Diluted alcohol, eight ounces.

Digest for seven days, and strain through paper.

TINCTURA DIGITALIS. *Dub.*

*Tincture of Foxglove.*

Take of

The leaves of foxglove, (rejecting the larger ones), dried,  
and in coarse powder, two ounces ;  
Proof-spirit, one pint.

Digest for seven days, and filter.

*Lond.*

Take of

Leaves of foxglove, dried, four ounces ;  
Proof-spirit, two pints.

Macerate for fourteen days, and filter.

THIS tincture is a very powerful medicine, and contains the virtues of the foxglove in a very manageable form. It has been chiefly used to diminish the force of the circulation of the blood in hæmoptysis, and often with remarkable success. It has been also said to cure incipient phthisis pulmonalis ; but subsequent experience has not confirmed the first trials. Like every other form in which foxglove is given, it should be given in very small doses at first, such as from ten to twenty drops, and cautiously increased.

TINCTURA FERULÆ ASSÆ FÆTIDÆ. *Ed.*

*Tincture of Assafœtida.*

Take of

Assafœtida, four ounces ;  
Alcohol, two pounds and a half ;

Digest for seven days, and strain through paper.

TINCTURA ASSAFÆTIDÆ. *Lond.*

*Tincture of Assafœtida.*

Take of

Assafœtida, four ounces ;  
Rectified spirit, two pints.

Macerate for a fortnight, and filter.

*Dub.*

Take of

Assafoetida, four ounces ;  
 Rectified spirit of wine, two pints ;  
 Water, eight ounces by measure.

Add the spirit to the assafoetida, triturated with the water,  
 and digest for seven days ; then strain.

THIS tincture possesses the virtues of the assafoetida, and  
 may be given in doses of from ten drops to fifty or sixty.

TINCTURA GALBANI. *Dub.**Tincture of Galbanum.*

Take of

Galbanum, cut into small pieces, two ounces ;  
 Proof-spirit of wine, two pints.

Digest with a gentle heat for seven days, and strain.

THIS tincture, though not so powerful, is less nauseous  
 than that of assafoetida, and therefore in some cases may be  
 preferable.

TINCTURA GALLARUM. *Dub.**Tincture of Galls.*

Take of

Galls, in powder, four ounces ;  
 Proof-spirit, two pints.

Mix ; digest for seven days, and filter.

THIS tincture, now for the first time introduced into prac-  
 tice by the Dublin college, is, I have no doubt, the most  
 powerful of all the astringent tinctures.

TINCTURA GENTIANÆ COMPOSITA. *Ed.*

*Compound Tincture of Gentian, commonly called Stomachic  
 Elixir.*

Take of

Gentian root, sliced and bruised, two ounces ;  
 Seville orange-peel, dried and bruised, one ounce ;  
 Canella alba, bruised, half an ounce ;  
 Cochineal, in powder, half a drachm ;  
 Diluted alcohol, two pounds and a half.

Macerate for seven days, and strain through paper.

*Dub.*

Take of

Gentian root, sliced and bruised, two ounces ;  
 Dried rind of Seville oranges, one ounce ;  
 Lesser cardamom seeds, husked and bruised, half an ounce ;  
 Proof-spirit of wine, two pints.

Digest for seven days and strain.

*Lond.*

Take of

Gentian root sliced, two ounces ;  
 Orange-peel dried, one ounce ;  
 Cardamom seeds bruised, half an ounce ;  
 Proof spirit, two pints.

Macerate for fourteen days, with a gentle heat, and strain.

THESE are very elegant spiritous bitters. As the preparations are designed, for keeping, lemon-peel, an excellent ingredient in the watery bitter infusions, has, on account of the perishableness of its flavour, no place in these.

TINCTURA GUAIACI OFFICINALIS. *Ed.**Tincture of Guaiac.*

Take of

Guaiac, in powder, one pound ;  
 Alcohol, two pounds and a half.

Digest for ten days, and strain through paper,

TINCTURA GUAIACI. *Dub.**Tincture of Guaiac.*

Take of

Guaiac, four ounces ;  
 Rectified spirit of wine, two pints.

Digest for seven days, and filter.

*Lond.*

Take of

Guaiac in powder, half a pound ;  
 Rectified spirit, two pints.

Macerate for fourteen days, and filter.

WHAT is called gum guaiac is in fact a resin, and perfectly soluble in alcohol. This solution is a powerful stimulating sudorific, and may be given in doses of about half an ounce, in rheumatic and arthritic cases. It was once supposed to be a specific against the gout.

TINCTURA HELLEBORI NIGRI. *Dub.*  
*Tincture of Black Hellebore.*

Take of

Black hellebore root, in coarse powder, four ounces ;  
 Cochineal, powdered, two scruples ;  
 Proof-spirit of wine, two pints.

Digest for seven days, and strain.

*Ed.*

Take of

Black hellebore root, bruised, four ounces ;  
 Cochineal, in powder, half a drachm ;  
 Diluted alcohol, two pints and a half.

Digest for seven days, and filter through paper.

*Lond.*

Take of

Black hellebore root, sliced, four ounces ;  
 Proof-spirit, two pints.

Macerate for fourteen days, and filter.

THIS is perhaps the best preparation of hellebore, when designed for an alterative, the menstruum here employed extracting the whole of its virtues. It has been found particularly serviceable in uterine obstructions. In sanguine constitutions, where chalybeates are hurtful, it has been said that it seldom fails of exciting the menstrual evacuations, and removing the bad effects of their suppression. A tea-spoonful of the tincture may be taken twice a-day in warm water, or any other convenient vehicle.

TINCTURA HUMULI. *Lond.*  
*Tincture of Hops.*

Take of

Hops, five ounces ;  
 Proof-spirit, two pints.

Macerate for fourteen days, and filter.

OPIUM in every form disagrees so completely with some people, as to render its exhibition to them improper. In these cases, we must have recourse to other narcotics, and of them the hop is one of the safest and most agreeable. Its comparative strength is not yet well ascertained, nor even the best form of exhibiting it. It is difficultly pulverizable, and in its natural form it is so extremely light and bulky, as to absorb and retain a great deal of the spirit employed to ex-

tract a tincture from it, even when subjected to much compression.

TINCTURA HYOSCIAMI NIGRI. *Ed.*

*Tincture of Henbane.*

Take of

The leaves of henbane, dried, one ounce ;

Diluted alcohol, eight ounces.

Digest for seven days, and strain through paper.

TINCTURA HYOSCIAMI. *Dub.*

*Tincture of Henbane.*

Take of

Henbane leaves, dried, and in coarse powder, two ounces  
and a quarter ;

Proof-spirit, one pint.

Macerate for fourteen days, and strain.

*Lond.*

Take of

Henbane leaves, dried, four ounces ;

Proof-spirit, two pints.

Macerate for fourteen days, and filter.

THIS tincture, although not yet come into general use, is a valuable anodyne, and in many cases may be substituted with advantage for the tincture of opium, especially where the latter produces obstinate constipation, or, instead of its usual soporific and sedative effects, causes uneasiness, restlessness, and universal irritation.

An anonymous correspondent observes, that it is useful in recent coughs, in doses for an adult of not less than thirty drops, with ten drops of laudanum, which is equal to thirty drops of the latter. Tincture of henbane alone sometimes purges ; when this is an inconvenience, it is corrected by the addition of a few drops of laudanum.

TINCTURA KINO. *Ed.*

*Tincture of Kino.*

Take of

Kino, in powder, two ounces ;

Diluted alcohol, a pound and a half.

Digest for seven days, and strain through paper.

*Dub.*

Take of

Kino, in powder, three ounces;  
Proof-spirit, a pint and a half.  
Digest for seven days, and filter.

*Lond.*

Take of

Kino, in powder, three ounces;  
Proof-spirit, two pints.  
Macerate for fourteen days, and filter.

I HAVE already stated my reasons for believing kino to be a species of tannin. This is certainly a very astringent tincture, and will be found an excellent medicine in obstinate diarrhoeas, and in lienteria.

TINCTURA LAURI CINNAMOMI. *Ed.*

*Tincture of Cinnamon.*

Take of

Cinnamon, bruised, three ounces;  
Diluted alcohol, two pounds and a half.  
Digest for seven days, and strain through paper.

TINCTURA CINNAMOMI. *Lond. Dub.*

*Tincture of Cinnamon.*

Take of

Cinnamon, bruised, three ounces (three ounces and a half, *Dub.*);  
Proof-spirit of wine, two pints.  
Digest for seven days, (macerate for fourteen days, *Lond.*), and strain.

THE tincture of cinnamon possesses the astringent virtues of the cinnamon, as well as its aromatic cordial ones; and in this respect it differs from the spirit prepared by distillation.

SPIRITUS LAVANDULÆ COMPOSITUS. *Ed.*

*Compound Spirit of Lavender.*

Take of

Spirit of lavender, three pounds;  
Spirit of rosemary, one pound;  
Cinnamon, bruised, one ounce;  
Cloves, bruised, two drachms;  
Nutmeg, bruised, half an ounce;  
Red saunders wood, in shavings, three drachms.  
Macerate for seven days, and filter.



SPIRITUS LAVANDULÆ COMPOSITUS. *Lond. Dub.**Compound Spirit of Lavender.*

Take of

Spirit of lavender, three pints;  
 Spirit of rosemary, one pint,  
 Cinnamon, bruised,  
 Nutmegs, bruised, of each half an ounce.  
 (Cloves, two drachms, *Dub.*)  
 Red saunders wood, sliced, one ounce.

Digest for ten days, (macerate for fourteen days, *Lond.*), and strain.

THESE preparations do not differ materially. They are grateful cordials, of which from ten to a hundred drops may be conveniently taken, dropt upon sugar. It does not appear very clearly whether they should be considered as spirits or tinctures; for although the spirit of lavender be the predominant ingredient, yet the mode of preparation is that of a tincture, and the spirit as a menstruum dissolves astringent, colouring, and other substances, which would not rise with it in distillation.

TINCTURA MELOES VESICATORII. *Ed.**Tincture of Cantharides.*

Take of

Cantharides, bruised, one drachm;  
 Diluted alcohol, one pound.

Digest for seven days, and strain through paper.

TINCTURA CANTHARIDIS. *Dub.**Tincture of Spanish Flies.*

Take of

Bruised cantharides, two drachms;  
 Cochineal, powdered, half a drachm;  
 Proof-spirit, one pint and a half.

Digest for seven days, and strain.

TINCTURA LYTTE. *Lond.**Tincture of Cantharides.*

Take of

Cantharides, bruised, three drachms;  
 Proof-spirit, two pints.

Macerate for fourteen days, and strain.

THIS tincture contains the active principle of the cantharides, whatever it may be. It is applied externally as a stimulant and rubefacient, and is sometimes given internally, in

doses of from ten to twenty drops, as a diuretic, or as a stimulant in gleans and gonorrhœa.

TINCTURA MIMOSÆ CATECHU. *Ed.*  
*Tincture of Catechu. Japonic Tincture.*

Take of

Extract of catechu, three ounces;  
Cinnamon, bruised, two ounces;  
Diluted alcohol, two pounds and a half.  
Digest for seven days, and strain through paper.

TINCTURA CATECHU. *Lond. Dub.*  
*Tincture of Catechu.*

Take of

Extract of catechu, three ounces;  
Cinnamon, bruised, two ounces;  
Proof-spirit, two pints.  
Digest for seven days (macerate for fourteen, *Lond.*) and filter.

THE cinnamon is a very useful addition to the catechu, not only as warming the stomach, but likewise as covering its taste.

This tincture is of service in all kinds of defluxions, catarrhs, looseness, uterine fluxes, and other disorders, where astringent medicines are indicated. Two or three tea-spoonfuls may be taken every now and then in red wine, or any other proper vehicle.

TINCTURA MOSCHI. *Dub.*  
*Tincture of Musk.*

Take of

Musk, in powder, two drachms;  
Rectified spirit of wine, one pint.  
Digest for seven days, and strain.

RECTIFIED spirit is the most complete menstruum for musk; but in this form it is often impossible to give a sufficient quantity of the musk.

TINCTURA MYRRHÆ. *Ed.*  
*Tincture of Myrrh.*

Take of

Myrrh, in powder, three ounces;  
Alcohol, twenty ounces;  
Water, ten ounces.  
Digest for seven days, and strain through paper.

*Lond.*

Take of

Myrrh, bruised, four ounces;

Rectified spirit, two pints;

Water, one pint.

Macerate for fourteen days, and strain.

*Dub.*

Take of

Myrrh, bruised, three ounces;

Proof-spirit of wine, a pint and a half;

Rectified spirit of wine, half a pint.

Digest for seven days, and filter.

TINCTURE of myrrh is recommended internally as a cardiac, for removing obstructions, particularly those of the uterine vessels, and resisting putrefaction. The dose is from fifteen drops to forty or more. The medicine may perhaps be given in these cases to advantage; though, with us, it is more commonly used externally, for cleansing foul ulcers, and promoting the exfoliation of carious bones.

TINCTURA OPII, sive THEBAICA; vulgo LAUDANUM LIQUIDUM. *Ed.*

*Tincture of Opium, or Thebaic Tincture, commonly called Liquid Laudanum.*

Take of

Opium, two ounces;

Diluted alcohol, two pounds.

Digest for seven days, and filter through paper.

*Dub.*

Take of

Hard purified opium, powdered, ten drachms;

Proof-spirit of wine, one pint.

Digest for seven days and strain.

*Lond.*

Take of

Hard opium, powdered, two ounces and a half;

Proof-spirit, two pints.

Macerate for fourteen days, and strain.

As these tinctures, on evaporation, furnish the same quantity of extract, they are believed to be of nearly equal strength; but it is to be regretted that they are not so well adapted for keeping as could be wished; after some time, a part of the

opium is gradually deposited from both, and consequently the tinctures become weaker: the part which thus separates, amounts sometimes, it is said, to near one-fourth of the quantity of opium at first dissolved. Mr Phillips found, that when alcohol of sp. gr. 0.930 was employed with select crude opium, the tincture acquired sp. gr. 0.952, and contained 26 grains of opium *per fluidounce*; but when purified opium was used, the sp. gr. of the tincture was 0.958, and the quantity of opium in the fluidounce 36 grains; of the crude opium one grain in 3.5 remained undissolved, and of the purified only one in twenty-five; while in the tincture made with the former, one grain of opium was contained in 18.3 minims, and in that with the latter in 13.3, so that from calculation the strength of the tincture made with purified opium to that made with crude opium is as three to two nearly. But I must here observe, that calculation cannot be altogether relied upon in this case, because, although purified opium contains more soluble matter than crude opium, its narcotic powers are diminished by the preparation it has undergone.

TINCTURA OPII CAMPHORATA, sive ELIXIR PAREGORICUM.  
*Dub.*

*Camphorated Tincture of Opium. Paregoric Elixir.*

Take of

Camphor, two scruples;  
Hard purified opium, in powder,  
Benzoic acid, of each one drachm;  
Essential oil of aniseed, one drachm;  
Proof-spirit of wine, two pints.

Digest for seven days, and strain.

TINCTURA CAMPHORÆ COMPOSITA. *Lond.*  
*Compound Tincture of Camphor.*

Take of

Camphor, two scruples;  
Hard opium in powder,  
Benzoic acid, of each one drachm;  
Proof-spirit, two pints.

Macerate for fourteen days, and filter.

IN this formula, the virtues of the opium and camphor are combined. It gets an agreeable flavour from the acid of benzoic and essential oil. The latter also renders it more stimulating; but whether it derives any salutary virtues from the former, we do not know. It was originally prescribed under the title of Elixir Asthmaticum, which it does not ill

deserve. It contributes to allay the tickling which provokes frequent coughing; and at the same time it is supposed to open the breast, and give greater liberty of breathing. It is given to children against the chincough, &c. in doses of from five drops to twenty; to adults, from twenty to an hundred. Half an ounce, by measure, contains about a grain of opium.

TINCTURA QUASSIÆ. *Dub.*  
*Tincture of Quassia.*

Take of  
Shavings of quassia, one ounce;  
Proof-spirit, two pints.  
Digest for seven days, and filter.

As the Dublin college have introduced into their Pharmacopœia the most powerful of all astringent tinctures, in the present instance they have also first directed a tincture to be prepared from the purest and most intense of all bitters.

TINCTURA RHEI PALMATI. *Ed.*  
*Tincture of Rhubarb.*

Take of  
Rhubarb, sliced, three ounces;  
Lesser cardamom seeds, bruised, half an ounce;  
Diluted alcohol, two pounds and a half.  
Digest for seven days, and strain through paper.

TINCTURA RHABARBARI. *Dub.*  
*Tincture of Rhubarb.*

Take of  
Rhubarb, cut into pieces, two ounces;  
Lesser cardamom seeds, bruised, half an ounce;  
Liquorice root, bruised, half an ounce;  
Saffron, two drachms;  
Proof-spirit of wine, two pints.  
Digest for seven days, and strain.

TINCTURA RHEI. *Lond.*  
*Tincture of Rhubarb.*

Take of  
Rhubarb, sliced, two ounces;  
Lesser cardamom seeds, bruised, half an ounce;  
Saffron, two drachms;  
Proof-spirit, two pints.  
Macerate for fourteen days with a gentle heat, and filter.

TINCTURA RHEI COMPOSITA. *Lond.*  
*Compound Tincture of Rhubarb.*

Take of

Rhubarb, sliced, two ounces ;  
 Liquorice root, bruised, half an ounce ;  
 Ginger sliced,  
 Saffron, each two drachms ;  
 Proof-spirit, one pint ;  
 Water, twelve fluidounces.

Macerate for fourteen days with a gentle heat, and strain.

TINCTURA RHEI ET ALOES ; olim ELIXIR SACRUM. *Ed.*  
*Tincture of Rhubarb and Aloes, commonly called Sacred*  
*Elixir.*

Take of

Rhubarb, sliced, ten drachms ;  
 Socotorine aloes, in powder, six drachms ;  
 Lesser cardamom seeds, bruised, half an ounce ;  
 Diluted alcohol, two pounds and a half.

Digest for seven days, and strain through paper.

TINCTURA RHEI ET GENTIANÆ ; olim TINCTURA RHEI  
 AMARA. *Ed.*

*Tincture of Rhubarb with Gentian, formerly Bitter Tincture*  
*of Rhubarb.*

Take of

Rhubarb, sliced, two ounces ;  
 Gentian root, sliced, half an ounce ;  
 Diluted alcohol, two pounds and a half.

Digest for seven days, and strain through paper.

ALL the foregoing tinctures of rhubarb are designed as stomachics and corroborants, as well as purgatives : spiritous liquors excellently extract those parts of the rhubarb in which the two first qualities reside, and the additional ingredients considerably promote their efficacy. In weakness of the stomach, indigestion, laxity of the intestines, diarrhœas, colic, and other similar complaints, these medicines are frequently of great service.

TINCTURA SAPONIS, vulgo LINIMENTUM SAPONACEUM. *Ed.*  
*Tincture of Soap, formerly Saponaceous Liniment.*

Take of

Soap, in shavings, four ounces ;  
 Camphor, two ounces ;  
 Volatile oil of rosemary, half an ounce ;  
 Alcohol, two pounds.

Digest the soap in the alcohol for three days; then add to the filtered liquor the camphor and the oil, shaking them well together.

LINIMENTUM SAPONIS COMPOSITUM. *Lond.*  
*Compound Soap Liniment.*

Take of

Hard soap, three ounces;  
Camphor, one ounce;  
Spirit of rosemary, one pint.

Dissolve the camphor in the spirit, then add the soap, and macerate in a sand-bath until it be dissolved.

LINIMENTUM SAPONIS. *Dub.*  
*Soap Liniment.*

Take of

Soap, three ounces;  
Camphor, one ounce;  
Spirit of rosemary, one pint.

Digest the soap in the spirit of rosemary until it be dissolved, then add the camphor.

TINCTURA SAPONIS ET OPII; olim LINIMENTUM ANODYNUM.  
*Ed.*

*Tincture of Soap with Opium, formerly Anodyne Liniment.*

THIS is prepared in the same way, and from the same substances, as the simple *Tincture of Soap*, but with the addition, from the beginning, of  
Opium, one ounce.

THESE tinctures are only used externally, and possess great efficacy in removing local pains, when rubbed on the affected part. The London and Dublin colleges have omitted the anodyne liniment, probably as it may be easily prepared extemporaneously, by mixing an equivalent proportion of laudanum with soap liniment.

TINCTURA SCILLÆ. *Dub.*  
*Tincture of Squills.*

Take of

Squills, fresh dried, four ounces;  
Proof-spirit of wine, two pints.

Digest for seven days; then set it aside, and when the fæces have subsided, pour off the pure liquor.

*Lond.*

Take of

Squills, fresh dried, four ounces ;

Proof-spirit, two pints.

Macerate for fourteen days and strain.

THE active principle of squills is soluble in alcohol, and there are cases in which a tincture may be useful.

TINCTURA SENNÆ COMPOSITA : olim ELIXIR SALUTIS. *Ed.**Compound Tincture of Senna, formerly Elixir of Health.*

Take of

Senna leaves, two ounces ;

Jalap root, bruised, one ounce ;

Coriander seeds, bruised, half an ounce ;

Diluted alcohol, three pounds and a half.

Digest for seven days, and to the tincture, filtered through paper, add,

Double refined sugar, four ounces.

TINCTURA SENNÆ. *Dub.**Tincture of Senna.*

Take of

Senna leaves, one pound ;

Caraway seeds, bruised, one ounce and a half ;

Lesser cardamom seeds, husked and bruised, half an ounce ;

Proof-spirit, one gallon.

Digest for fourteen days, and strain.

*Lond.*

Take of

Senna leaves, three ounces ;

Caraway seeds, bruised, three drachms ;

Cardamom seeds, bruised, one drachm ;

Raisins, stoned, four ounces ;

Proof-spirit, two pints.

Macerate for fourteen days, with a gentle heat, and filter.

THESE tinctures are useful carminatives and cathartics, especially to those who have accustomed themselves to the use of spirituous liquors; they often relieve flatulent complaints and colics, where the common cordials have little effect; the dose is from one to two ounces.



TINCTURA TOLUIFERI BALSAMI. *Ed.*  
*Tincture of the Balsam of Tolu.*

Take of

Balsam of Tolu, an ounce and a half;  
 Alcohol, one pound.

Digest until the balsam be dissolved; and then strain the tincture through paper.

TINCTURA BALSAMI TOLUTANI. *Dub.*  
*Tincture of Balsam of Tolu.*

Take of

Balsam of Tolu, one ounce;  
 Rectified spirit, one pint.

Digest until the balsam be dissolved, and filter.

THIS solution of balsam of Tolu possesses all the virtues of the balsam itself. It may be taken internally, with the several intensions for which that balsam is proper, to the quantity of a tea-spoonful or two, in any convenient vehicle. Mixed with simple syrup, it forms an elegant balsamic syrup.

TINCTURA VALERIANÆ. *Lond. Dub.*  
*Tincture of Valerian.*

Take of

The root of wild valerian, in coarse powder, four ounces;  
 Proof-spirit, two pints.

Digest for seven days, (macerate for fourteen, *Lond.*) and strain.

THIS tincture has a deep colour, and is strongly impregnated with the valerian; though it has not been found to answer so well in the cure of epileptic disorders as the root in substance, exhibited in the form of powder or bolus. The dose of the tincture is from half a spoonful to a spoonful or more, two or three times a-day.

TINCTURA VERATRI ALBI. *Ed.*  
*Tincture of White Hellebore.*

Take of

White hellebore root, bruised, eight ounces;  
 Diluted alcohol, two pounds and a half.

Digest them together for seven days, and filter the tincture through paper.

THIS tincture is sometimes used for assisting cathartics, &c. and as an emetic in apoplectic and maniacal disorders. It may likewise be so managed, as to prove a powerful alterative

and deobstruent, in cases where milder remedies have little effect. But a great deal of caution is requisite in its use; the dose, at first, ought to be only a few drops; if considerable, it proves violently emetic or cathartic.

TINCTURA ZINGIBERIS. *Lond. Dub.**Tincture of Ginger.*

Take of

Ginger sliced, (in coarse powder, *Dub.*), two ounces;

Proof-spirit, two pints.

Digest in a gentle heat for seven days, (macerate fourteen, *Lond.*) and strain.

THIS tincture is cordial and stimulant, and is only employed as a corrigent to purgative draughts.

## CHAP. XXXII.

## TINCTURES MADE WITH ETHEREAL SPIRITS.

WE have classed these tinctures by themselves, because they are more strongly characterised by the nature of the menstruum than of the substances dissolved in it. Indeed, the ethereal spirits are used in these instances, not to dissolve substances which would resist the action of alcohol and water, but for the sake of their own direct action on the system.

TINCTURA ALOES ÆTHEREA. *Ed.**Ethereal Tincture of Aloes.*

Take of

Socotorine aloes,

Myrrh, of each, in powder, one ounce and a half;

English saffron, sliced, one ounce;

Sulphuric ether, with alcohol, one pound.

Digest the myrrh with the sulphuric ether with alcohol for four days, in a close vessel; then add the saffron and aloes.

Digest again for four days, and, when the fæces have subsided, pour off the tincture.

THIS tincture agrees generally in its effects with the other tinctures of aloes, the only difference arising from the more penetrating and stimulating nature of the menstruum itself.