

SPIRITUS DISTILLATI.

DISTILLED SPIRITS.

ALCOHOL.

TAKE of rectified Spirit of Wine one gallon.

Kali, made hot, one pound and an half.

Pure Kali one ounce by weight.

Mix the Spirit of Wine with the pure Kali, and afterwards add one pound of the hot Kali; shake them, and digest for twenty-four hours. Pour off the Spirit, to which add the rest of the Kali, and distill in a water-bath. It is to be kept in a vessel well stopped.

The specific gravity of the Alkohol is to that of distilled water as 815 to 1,000.

SPIRITUS

SPIRITUS ÆTHERIS VITRIOLICI.

SPIRIT OF VITRIOLIC ÆTHER.

Take of rectified Spirit of Wine,
Vitriolic Acid, of each one pound.

Pour in, by a little at a time, the Acid to the Spirit, and mix them by shaking; then from a retort into a tubulated receiver, to which another recipient is fitted; distill the Spirit of vitriolic Æther till sulphureous vapours begin to rise.

R E M A R K.

For the precautions, necessary on mixing vitriolic Acid with rectified vinous Spirits, see Remark on Oil of Wine. For the process, a long range of adapters have not been found necessary: a tubulated receiver, with a common receiver adapted to that, being sufficient.

The College of Edinburgh direct the distillation, from sand previously heated, into a receiver kept cool with snow;—the liquor to *boil at first*, and continue boiling till one fourth is drawn off, and then to raise the retort from the sand.

ÆTHER

ÆTHER VITRIOLICUS.

VITRIOLIC ÆTHER.

Take of the Spirit of vitriolic Æther two pounds.

Water of pure Kali one ounce by measure.

Shake them together, and distill, with a gentle heat, fourteen ounces by measure.

R E M A R K.

The use of the Caustic, or *pure* Kali, is to arrest any uncombined vitriolic Acid in the Spirit of vitriolic Æther.

This most light, volatile, and inflammable, of all fluids is given internally as an antispasmodic, in doses, from a few drops to two drams or more, in a glass of water; to be swallowed quick, as it exhales with such celerity. Externally it is used in pains of the head, teeth, &c.

SPIRITUS

SPIRITUS ÆTHERIS NITROSI.

SPIRIT OF NITROUS ÆTHER.

Take of rectified Spirit of Wine two pints.

Nitrous Acid half a pound.

Mix by pouring in the Acid to the Spirit, and distill with a gentle heat one pound ten ounces.

R E M A R K.

The young operator will take care not to invert the order of mixing, lest a violent effervescence should disperse the matter in noxious red fumes. The mixture is made most safely under a chimney, by pouring the Acid, through a funnel with a long stem, bent as mentioned, (p. 78,) upon the Spirit, by small portions at a time, shaking the vessel as soon as the effervescence succeeding each addition ceases, before the fresh addition be made. During the action of the fluids on each other, the vessel should be lightly covered;—if close stopped it will burst;—if left open, the more valuable parts will exhale. The method of mixing these fluids,

fluids, used, by the very modest and ingenious Dr. Black, for nitrous Æther, whether proper for the preparation here intended or not, deserves to be mentioned as given, if I mistake not, by Dr. Webster.

On two ounces of the strong acid, put into a phial, the Doctor pours, slowly and gradually, about an equal quantity of water; which, by being made to trickle down the sides of the phial, floats on the surface of the acid without mixing with it. He then adds, in the same cautious manner, three ounces of highly-rectified spirit of wine, which, in its turn, floats on the surface of the water. By this means the three fluids are kept separate on account of their specific gravities, and a stratum of water is interposed between the acid and the spirit. The phial is now set in a cool place; the acid gradually ascends, and the spirit descends through the water.

The heat must be gentle, otherwise the vessels may be endangered, especially if a tubulated receiver is not employed. The mixing the product with Kali is not here necessary, as the College has ascertained the quantity to be drawn off.

Spirit of nitrous Æther, the *Spiritus Nitri dulcis* of the former Dispensary, has been long in use

use as an antispasmodic and diuretic, from twenty drops to a dram ; and, with proper additions, diaphoretic.

SPIRITUS AMMONIÆ.

SPIRIT OF AMMONIA.

Take of Proof-spirit three pints by measure.

Sal Ammoniac four ounces by weight.

Pot-ash six ounces by weight.

Mix, and distill with a slow fire one pint and an half.

SPIRITUS AMMONIÆ FOETIDUS.

FETID SPIRIT OF AMMONIA.

Take of Proof-Spirit of Wine, six pints.

Sal ammoniac, one pound.

Asa: foetida four ounces.

Pot-ash one pound and an half.

Mix,

Mix, and distill, with a slow fire, five pints.

SPIRITUS ANISI COMPOSITUS.

COMPOUND SPIRIT OF ANISEED.

Take of Anise-feed,

Angelica-feed, of each, bruised,
half a pound.

Proof-Spirit of Wine one gallon.

Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS CARUI.

SPIRIT OF CARAWAY.

Take of Caraway-seeds, bruised, half a
pound.

Proof-Spirit of Wine one gallon.

Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS

SPIRITUS CINNAMOMI.

SPIRIT OF CINNAMON.

Take of bruised Cinnamon one pound.
Proof-Spirit of Wine one gallon.
Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS JUNIPERI COMPO-
SITUS.

COMPOUND SPIRIT OF JUNIPER.

Take of Juniper-berries, bruised, one
pound.
Caraway-seeds, bruised,
Sweet-fennel Seeds, of each one
ounce and an half.
Proof-Spirit of Wine one gallon.
Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS

SPIRITUS LAVENDULÆ.

SPIRIT OF LAVENDER.

Take of fresh Flowers of Lavender one
pound and an half.

Proof-Spirit of Wine one gal-
lon.

Distill in a water-bath five pints.

SPIRITUS MENTHÆ PIPERITI-
DIS.

SPIRIT OF PEPPERMINT.

Take of the Herb Peppermint, dried, one
pound and an half.

Proof-Spirit of Wine one gallon.

Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS

SPIRITUS MENTHÆ SATIVÆ.

SPIRIT OF SPEAR-MINT.

Take of Spear-mint, dried, one pound
and an half.

Proof-Spirit of Wine one gallon.

Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS NUCIS MOSCHATÆ.

SPIRIT OF NUTMEG.

Take of bruised Nutmegs two ounces.

Proof-Spirit of Wine one gallon.

Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS PIMENTO.

SPIRIT OF PIMENTO, OR ALL-SPICE.

Take of All-spice, bruised, two ounces.

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Proof-

Proof-Spirit of Wine one gallon.
Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS PULEGII.

SPIRIT OF PENNYROYAL.

Take of the Herb Pennyroyal, dried,
one pound and an half.

Proof-Spirit of Wine one gallon.
Water sufficient to prevent an
empyreuma.

Draw off one gallon.

SPIRITUS RAPHANI COMPO- SITUS.

COMPOUND SPIRIT OF HORSE-RADISH.

Take of fresh Horfe-radish Root.

Dried Outer-rind of Seville O-
ranges, of each two pounds.

Fresh

DISTILLED SPIRITS. 163

Fresh Herb of Garden Scurvy-
grafs four pounds.

Bruised Nutmegs one ounce.

Proof-Spirit of Wine two gallons.

Water sufficient to prevent an
empyreuma.

Draw off two gallons.

SPIRITUS RORISMARINI.

SPIRIT OF ROSEMARY.

Take of fresh tops of Rosemary one
pound and an half.

Proof-Spirit of Wine one gallon.

Distill in a water-bath five pints.

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DECOCTA

DECOCTA ET INFUSA.
DECOCTIONS AND INFU-
SIONS.

DECOCTUM CORNU CERVI.

DECOCTION OF HARTSHORN.

TAKE of burnt and prepared Hartshorn
two ounces by weight.

Gum Arabic six drams by weight.

Distilled Water three pints.

Boil, constantly stirring, to two pints,
and strain.

R E M A R K.

This Decoction, though a much weaker abfor-
bent than the Julep *è Creta*, is much more agree-
able to most people. It is used as common drink
in fevers attended with laxity of bowels.

DECOC-