

## EXTRACTS.

Extracts are usually prepared by evaporating the expressed juices of plants, or their infusions and decoctions in water, proof-spirit, or rectified spirit, at a temperature not exceeding 212° F. by means of a vapour-bath. Most of them, however, may be obtained of greatly superior quality by the process of evaporation in vacuo. And the extracts of expressed juices cannot, perhaps, be better prepared than by spontaneous evaporation in shallow vessels, exposed to a current of air. Extracts should be evaporated to such a consistence as to form a firm pill-mass when cold.

## EXTRACTUM ACONITI.

Take of the leaves of Monkshood, fresh, any convenient quantity ; beat them into a pulp ; express the juice ; subject the residuum to percolation with rectified spirit, so long as the spirit passes materially coloured ; unite the expressed juice and the spirituous infusion ; filter ; distil off the spirit ; and evaporate the residuum in the vapour-bath, taking care to remove the vessel from the heat so soon as the due degree of consistence shall be attained.

## EXTRACTUM ANTHEMIDIS.

Take of Chamomile, a pound ; boil it with

a gallon of water down to four pints ; filter the liquor hot ; evaporate in the vapour-bath to the due consistence.

EXTRACTUM BELLADONNAE.

Take of Belladonna fresh, any convenient quantity ; bruise it in a marble mortar into a uniform pulp ; express the juice ; moisten the residuum with water, and express again. Unite the expressed fluids, filter them, and evaporate the filtered liquid in the vapour-bath to the consistence of firm extract, stirring constantly towards the close.

EXTRACTUM CINCHONAE.

Take of any of the varieties of Cinchona, but especially the Yellow or Red cinchona, in fine powder, four ounces ;  
Proofspirit, twenty four fluidounces ;  
Percolate the Cinchona with the spirit ; distil off the greater part of the spirit ; and evaporate what remains in an open vessel over the vapour-bath to a due consistence.

EXTRACTUM COLCHICI ACETICUM.

Take of the Bulb of Colchicum, a pound ;  
Pyroligneous acid, three fluidounces ;  
Beat the colchicum to a pulp, gradually adding the acid ; express the liquid, and evaporate it in a porcelain vessel (not glazed with lead) over the vapour-bath to the due consistence.

## EXTRACTUM COLOCYNTHIDIS.

Take of Colocynth, a pound ;  
Water, two gallons.

Boil gently for six hours, replacing the evaporated water occasionally. Strain the liquor while hot ; and evaporate it in the vapour-bath to the due consistence.

## EXTRACTUM CONII.

Take of Conium any convenient quantity ; beat it into a uniform pulp in a marble mortar, express the juice, and filter it. Let this juice be evaporated to the consistence of a very firm extract either in a vacuum with the aid of heat, or spontaneously in shallow vessels exposed to a strong current of air freed of dust by gauze-screens.

This extract is of good quality only when a very strong odour of conia is disengaged by degrees on its being carefully triturated with Aqua potassæ.

## EXTRACTUM DIGITALIS.

This extract is best prepared from the fresh leaves of Digitalis, by any of the processes indicated for extract of conium.

## EXTRACTUM ELATERII, SEU ELATERIUM.

Take of the fruit of Momordica elaterium before it is quite ripe, any convenient quantity ; cut the fruit and express the juice gently through a fine sieve ; allow the liquid to

rest till it becomes pretty clear; pour off the supernatant liquor, which may be thrown away; and dry the feculence with a gentle heat.

EXTRACTUM GENTIANAE.

Take of Gentian, any convenient quantity; bruise it to a moderately fine powder; mix it thoroughly with half its weight of distilled water; in twelve hours put it into a proper percolator, and exhaust it by percolation with temperate distilled water; concentrate the liquid, filter before it becomes too thick, and evaporate in the vapour-bath to a due consistence.

EXTRACTUM GLYCYRRHIZAE.

Cut Liquorice-root into small chips, dry it thoroughly with a gentle heat, reduce it to a moderately fine powder, and proceed as for extract of Gentian.

EXTRACTUM HAEMATOXYLI.

Take of Logwood in fine chips, a pound;  
Boiling water, a gallon.  
Macerate for twenty-four hours, then boil down to four pints, strain, and concentrate in the vapour bath to the due consistence.

EXTRACTUM HYOSCYAMI.

This extract is to be prepared from the fresh leaves of Hyoscyamus by any of the processes directed for extract of Conium.

**EXTRACTUM *sive* RESINA JALAPAE.**

Take any convenient quantity of Jalap, in moderately fine powder; mix it thoroughly with enough of rectified spirit to moisten it well; put it in twelve hours into a percolator, and exhaust the powder with rectified spirit; distil off the greater part of the spirit, and concentrate the residuum over the vapour-bath to a due consistence.

**EXTRACTUM KRAMERIAE.**

This extract is to be prepared from Krameria-root in the same way with that of Liquorice-root.

**EXTRACTUM LUPULI.**

This extract is prepared from Hops in the same way with the extract of Logwood.

**EXTRACTUM NUCIS-VOMICAE.**

Take of nux-vomica any convenient quantity; expose it in a proper vessel to steam till it is completely softened; slice it, dry it thoroughly, and immediately grind it in a coffee-mill; exhaust the powder either by percolating it with rectified spirit, or by boiling it with repeated portions of rectified spirit, until the spirit comes off free of bitterness. Distil off the greater part of the spirit; and evaporate what remains in the vapour-bath to a proper consistence.

## EXTRACTUM OPII.

Take of Opium, one pound ;

Water, five pints ;

Cut the opium into small fragments, macerate it for twenty-four hours in a pint of water, break down the fragments with the hand, express the liquid with pretty strong pressure ; break down the residuum again in another pint of the water, let it macerate for twenty-four hours, and express the liquid ; repeat the maceration and expression in the same way till the water is all used. Filter the successive infusions as they are made, passing them through the same filter ; unite and evaporate them in the vapour-bath nearly to dryness. Dissolve this extract by means of successive quantities of water till about five pints have been used ; pour the liquors, after resting a little each time, from the undissolved matter, filter them if necessary, and concentrate again in the vapour-bath to the due consistence.

## EXTRACTUM PAPAVERIS.

Take of Poppy-heads without the seeds, fifteen ounces ;

Boiling water, a gallon ;

Macerate for twenty-four hours ; boil down to four pints ; filter the liquor hot, and evaporate over the vapour-bath to the due consistence.

## EXTRACTUM PAREIRÆ.

This extract is to be prepared from Pareira-root in the same way with the extract of Liquorice-root.

## EXTRACTUM QUASSIÆ.

This extract is to be prepared from Quassia in the same way with the extract of Liquorice-root.

## EXTRACTUM RHEI.

Take of Rhubarb, one pound ;

Water, five pints ;

Cut the Rhubarb into small fragments, macerate it for twenty-four hours in three pints of the water, filter the liquor through a cloth, and express it with the hands or otherwise moderately ; macerate the residuum with the rest of the water for twelve hours at least, filter the liquor with the same cloth as before, and express the residuum strongly. The liquors, filtered again if necessary, are then to be evaporated together to a proper consistence in the vapour-bath. The extract however is obtained of finer quality by evaporation in a vacuum with a gentle heat.

EXTRACTUM *sive* RESINA SCAMMONII.

Take any convenient quantity of Scammony in fine powder ; boil it in successive portions

of proof-spirit till the spirit ceases to dissolve any thing; filter; distil the liquid till little but water passes over. Then pour away the watery solution from the resin at the bottom; agitate the resin with successive portions of boiling water till it is well washed; and lastly, dry it at a temperature not exceeding 240°.

#### EXTRACTUM SARZAE FLUIDUM.

Take of Sarza in chips, one pound;

Boiling water, six pints;

Digest the root for two hours in four pints of the water; take it out, bruise it, replace it in the water, and boil for two hours; filter and squeeze out the liquid; boil the residuum in the remaining two pints of water, and filter and squeeze out this liquor also; evaporate the united liquors to the consistence of thin syrup; add, when the product is cool, as much rectified spirit as will make in all sixteen fluidounces. Filter.

This fluid extract may be aromatized at will with various volatile oils or warm aromatics.

#### EXTRACTUM STYRACIS.

Take any convenient quantity of Storax, in fine powder; exhaust it by boiling it in successive quantities of rectified spirit; filter the spirituous solutions; distil off the



greater part of the spirit ; evaporate the remainder over the vapour-bath to the consistence of a thin extract.

**EXTRACTUM STRAMONII.**

Take of seeds of Stramonium any convenient quantity ; grind them well in a coffee-mill.

Rub the powder into a thick mass with Proof-spirit ; put the pulp into a percolator, and transmit proof-spirit till it passes colourless ; distil off the spirit, and evaporate what remains in the vapour-bath to a proper consistence.

**EXTRACTUM TARAXACI.**

Take of fresh root of Taraxacum, a pound ;  
Boiling water, a gallon.

Proceed as for the preparation of extract of Poppy-heads.