

# PHARMACEUTICAL FORMULAS

## PROPOSED FOR A. PH. A. RECIPE BOOK

Thus far a collection of 114 Pharmaceutical Formulas has been compiled and published in *THE JOURNAL*, Vol. I, pp. 169, 366, 505, 637, 760 and 1307 (Feb. to Nov. 1912). Beginning with the March 1916 number these Formulas will be continued in monthly instalments by the Committee, and *all* members of the American Pharmaceutical Association are earnestly requested to render assistance by sending suitable formulas and criticisms to the Chairman, OTTO RAUBENHEIMER, Brooklyn, N. Y.

Contributed by M. I. Wilbert, Wash., D. C.:

No. 315.

### FLY KILLER.

For flies, Prof. Lefroy in a recently published pamphlet suggests a mixture of treacle and sodium or potassium arsenite with water. For inside treatment, as Doctor Gordon Hewitt has pointed out, the Minnesota fly trap is perhaps as useful as any, while the burning of feathers or pyrethrum powder will drive flies out of a room, as also cresol vaporized by heating, a tablespoonful of which is sufficient for a moderately sized room. To protect a room from the entrance of flies, coarse wire gauze with eight meshes to an inch is quite sufficient. The formula as given is:

Treacle (Molasses) .....	100 Gm.
Sodium or Potassium Arsenite ...	20 Gm.
Water .....	1000 mils

(*Brit. M. J.*, 1915, vol. i, p. 1006.)

No. 316.

### LICE REMEDY.

#### Crude Oil Emulsion.

To rid one's self of lice, Professor Lefroy in a recently published pamphlet recommends smearing the skin or washing the clothes with "Crude Oil Emulsion," the formula of which is as follows:

Crude Petroleum .....	56 Gm.
Soft Soap .....	30 Gm.
Water .....	about 6 mils

Triturate soap and water to a smooth paste, and gradually add the crude oil.

This should be rubbed into the hair and applied to all clothing that touches the skin. As it contains a large quantity of soft soap it can be used as a soap, which should be al-

lowed to some extent to dry on the skin. The same emulsion should be used when washing clothes. Verminous clothing should be boiled in water or treated with steam. The author points out that this preparation is non-poisonous and may be retained on the skin indefinitely.

(*Brit. M. J.*, 1915, vol. i, p. 1006.)

Contributed by the Chairman:

No. 317.

### FORMALDEHYDE FLY KILLER.

Solution of Formaldehyde .....	15 mils
Water .....	1000 mils

This solution has the great advantage of being practically non-poisonous to human life.

Put into saucers. The flies will drink it and die.

(*Lancet.*)

No. 318.

### DICHROMATE FLY KILLER.

Potassium or Sodium Dichromate ..	4 Gm.
Sugar .....	4 Gm.
Water .....	60 mils

Place in shallow dishes. Keep out of reach of children.

(N. Y. Health Board.)

No. 319.

### FLEA POWDER.

Non-Poisonous for Cats and Dogs.

(Raubenheimer.)

Boric Acid,	
Sublimed Sulphur, of each .....	30 Gm.
Naphthalene .....	60 Gm.
Insect Powder .....	120 Gm.
Oil of Pennyroyal .....	2 mils

No. 320.

KILL-FLEAS.

For Dogs.

(Raubenheimer.)

Oil of Wormwood .....	8 mils
Oil of Pennyroyal,	
Oil of Sassafras, of each .....	15 mils
Spirit of Camphor .....	60 mils
Soluble Crude Carbolic Acid No.	
127A .....	500 mils
Benzin, a sufficient quantity,	

To make .....1000 mils

The correct formula for Soluble Crude Carbolic Acid No. 127A (not 127) will be found in J. A. P. H. A., April, 1916, p. 425.

Kill-Fleas is to be diluted with water, about 1 tablespoonful to 1 pint, and then applied to the dog.

A small amount put into the bath of the dog will keep away fleas.

No. 321.

MODELLING CLAY.

Wheat Flour .....	1 part
Powdered Soapstone .....	2 parts
Paraffin .....	3 parts

Mix the melted paraffin with the powders. If too hard, then add some liquid petrolatum.

This preparation is the equal of the patented clays and can be colored with oil soluble aniline dyes.

(Spatula, through Sc. Am. Suppl., No. 2107.)

No. 322.

PAINT REMOVERS.

These preparations are applied with a brush. If necessary several coats are given until the paint is so loosened that it can be easily scraped or washed off.

The simplest preparations are solutions of paraffin in benzin. Castor oil or cocoanut oil is usually added to retard the evaporation of the solvent. Other solvents are acetone, amyl alcohol, carbon disulphide, carbon tetrachloride and ethane tetrachloride.

They can either be used by themselves or mixed into a paste with powdered pumice.

The following two types are formulas of patented preparations.

I.

Stronger Ammonia Water .....	60 mils
Liquid Petrolatum .....	120 mils
Soft Soap .....	375 Gm.
Sal Soda .....	500 Gm.
Lime Water .....	2000 mils

II.

Potassium Hydroxide .....	500 Gm.
Acetone .....	1000 mils
Denatured Alcohol,	
Oil of Turpentine,	
Benzin, of each .....	500 mils
Castor Oil .....	300 mils

Apply by spreading thinly over the old paint. After a few minutes make a second application, when the softened paint can be easily removed with a blunt spatula.

(Spatula, through Sc. Am. Suppl., No. 2107.)

No. 323.

EBONY STAIN.

A.

Solution Sodium Dichromate .... 10 percent

B.

Saturated Solution Gallic Acid.

The wood, previously smoothed by sandpaper, is brushed over with the hot solution A. The solution should be used sparingly, so as not to leave any salt on the surface.

When dry the hot solution B is applied in the same manner. These two operations are repeated until the desired degree of blackness is obtained. A dull ebony finish is obtained by rubbing with a rag and just a trace of oil. A bright surface will be produced by varnish.

(D. C., 1916, p. 337.)

Contributed by Rudolph Lundgren,  
Youngstown, Ohio:

No. 324.

TRIPLE WATER.

Camphor Water,  
Peppermint Water,  
Lime Water, equal volumes.

Mix them.

A general favorite for correction of nausea at the institutions mentioned below.

(McKeesport Hospital, Pa.)  
(Cleveland City Hospital, Ohio.)

No. 325.

SYRUPUS CODEINÆ COMPOSITUS.

Compound Syrup of Codeine.

Codeine Phosphate .....	1 Gm.
Terpin Hydrate .....	1 Gm.
Fluidextract of Ipecac .....	2 mils
Fluidextract of Eucalyptus .....	5 mils
Fluidextract of Squill .....	7 mils

Tincture of Cudbear .....	8 mils
Glycerin .....	20 mils
Sugar .....	375 Gm.
Distilled Water, a sufficient quantity,	

To make ..... 500 mils

Dissolve the finely powdered terpin hydrate in the mixed fluidextracts, tincture and glycerin. Pour this into 200 mils of water in which the codeine phosphate has been previously dissolved. Filter this liquid through a wetted filter into a properly prepared percolator containing the sugar, and add sufficient water through the percolator until 500 mils are obtained.

(McKeesport Hospital.)

No. 326.

TUBERCULIN OINTMENT.

Old Tuberculin, "O. T." .....	10 mils
Hydrous Wool Fat .....	10 Gm.

Mix them thoroughly.

For diagnostic use.

(Cleveland City Hospital.)

No. 327.

NUTRITIVE TONIC.

Neoferrin.

Solution of Arsenous Acid .....	1 mil
Extract of Malt .....	40 mils
Solution of Iron, Peptonate with Manganese, a sufficient quantity,	

To make ..... 100 mils

Mix the arsenical solution with about 40 mils of the other solution, add the extract and sufficient of the iron solution to make the product measure 100 mils, and mix them thoroughly.

(McKeesport Hospital.)

No. 328.

SOLUTION OF ATROPINE SULPHATE.

Salicylic Acid .....	1 Gm.
Atropine Sulphate .....	8 Gm.
Distilled Water, a sufficient quantity,	

To make ..... 400 mils

Dissolve and filter.

No. 329.

SOLUTION OF SODIUM ACID PHOSPHATE.

Boric Acid .....	1 Gm.
Sodium Acid Phosphate .....	20 Gm.
Distilled Water, a sufficient quantity,	

To make ..... 40 mils

Make a solution.

For rendering the urine acid in reaction,

prior to treatment with hexamethylenamine, which chemical is only active in acid urine.

By sodium acid phosphate is meant monosodium acid phosphate or monobasic sodium phosphate, or sodium dihydrogen phosphate, or sodium biphosphate with the chemical formula  $\text{NaH}_2\text{PO}_4 + \text{H}_2\text{O}$ . Further particulars about this chemical can be found in *N.N.R.*, 1916, p. 352.

Contributed by Th. D. Wetterstroem,

Cincinnati, Ohio:

BUCKEYE FORMULAS.

The following formulas for the Buckeye line of preparations have been approved by the Committee on Unofficial Formulæ for 1914-1915 of the Ohio State Pharmaceutical Association.

These formulas are quite simple, so that the members will have no difficulty in following them.

The selling price of these preparations is given, and the members of the Ohio State Pharmaceutical Association are requested to comply with the quantities and the prices stated.

No. 330.

BUCKEYE BLOOD PURIFIER.

Fluidextract Trifolium .....	80 mils
Fluidextract Burdock .....	40 mils
Fluidextract Berberis .....	40 mils
Fluidextract Cascara Sag. ....	40 mils
Fluidextract Phytolacca .....	40 mils
Fluidextract Xanthoxylum .....	10 mils
Potassium Iodide .....	20 Gm.
Aromatic Elixir, a sufficient quantity,	

To make ..... 1000 mils

Twelve ounces for 75 cents.

No. 331.

BUCKEYE KIDNEY AND LIVER REMEDY.

Fluidextract Buchu .....	75 mils
Fluidextract Juniper .....	15 mils
Fluidextract Cubeb .....	15 mils
Tincture Bitter Orange Peel. ....	15 mils
Potassium Acetate .....	90 Gm.
Fluidextract Podophyllum .....	25 mils
Tincture Cinnamon .....	50 mils
Aromatic Elixir, a sufficient quantity,	

To make ..... 1000 mils

Mix and filter.

Six ounces for 50 cents.

No. 332.

BUCKEYE NERVE AND BONE LINIMENT.

Capsicum .....	15 Gm.
Menthol .....	4 Gm.
Oil Sassafras .....	8 mils
Coal Oil .....	500 mils

Mix and filter.

Three ounces for 25 cents.

No. 333.

BUCKEYE SORE THROAT REMEDY.

Potassium Chlorate .....	6 mils
Tincture Iron Chloride.....	8 mils
Glycerin .....	30 mils
Antipyrine .....	0.12 Gm.
Water, a sufficient quantity,	

To make ..... 120 mils

Misc. sec. art.

Three ounces for 25 cents.

No. 334.

BUCKEYE PALATABLE CASTOR OIL.

Castor Oil .....	1000 mils
Saccharin .....	1 Gm.
Methyl Salicylate .....	4 mils
Alcohol .....	25 mils
Oil of Cassia (drops 2).....	0.1 mil
Oil of Anise (drops 2).....	0.1 mil

Dissolve the saccharin and the oils in the alcohol and add to the castor oil.

Three ounces for 25 cents.

No. 335.

BUCKEYE SALINE LAXATIVE.

Potassium Sulphate .....	10 Gm.
Sodium Chloride .....	90 Gm.
Sodium Bicarbonate .....	180 Gm.
Sodium Sulphate, dried .....	220 Gm.
Magnesium Sulphate, dried .....	125 Gm.
Sodium Phosphate, dried .....	250 Gm.
Tartaric Acid, dry .....	125 Gm.

Mix. Keep in well-stoppered bottles.

Four-ounce screw-cap bottle for 20 cents.

No. 336.

BUCKEYE WORM SYRUP.

Aromatic Fluid Senna, Cin. A. P. No. 337 or 338 .....	75 mils
Fluidextract Spigelia .....	25 mils

Two and a half ounces for 25 cents.

No. 337.

FLUIDEXTRACTUM SENNAE AROMATICUM.

Aromatic Fluidextract of Senna.

(Cin. A. P.)

Senna in No. 40 powder.....	1000 Gm.
Sugar .....	500 Gm.
Oil of Coriander .....	0.75 mil

Alcohol,

Diluted Alcohol, of each, a sufficient quantity,

To make ..... 1000 mils

Extract the senna by percolation with alcohol until exhausted, and reject this alcoholic percolate which contains the resin or griping principle. Remove the senna from the percolator, dry it and then in the usual manner prepare a fluidextract by percolation with diluted alcohol. Evaporate the alcohol from the fluidextract on a water-bath, dissolve the sugar in the remaining portion and add sufficient water to make 1000 mils. Lastly add the oil of coriander and mix thoroughly.

NOTE.—This preparation contains very little or no alcohol. It has the strength of a fluidextract with the properties of a syrup, and is therefore especially adapted for children.

Dose: 4 to 8 mils.

No. 338.

AROMATIC FLUID SENNA.

Alternate Formula.

Should the Cincinnati Academy of Pharmacy formula for the Senna preparation not be available, then use this formula.

Senna, broken pieces.....	1000 Gm.
Boiling Water .....	4000 mils

Allow to digest for one hour and strain. Add 500 mils boiling water to dregs and strain. To the strained liquids add Sugar 500 Gm. and heat in evaporating dish over water-bath until the liquid has evaporated to 1000 mils. Cool and add Oil Coriander, 0.75 mil.

Mix and strain.

No. 339.

BUCKEYE CORN REMEDY.

Compound Salicylated Collodion, N. F.  
Two drachms for 15 cents.

No. 340.

BUCKEYE CORN PLASTER.

Salicylic Acid and Cannabis Indica Plaster,  
two pieces, each 1 by 1½ inches, for 10 cents.