

Formulary.

EMULSION OF IODOFORM.

Iodoform	5 drachms.
Glycerine	1 oz. 7 drachms.
Aqua dist.	3 " 1 "

—Mag. Pharmacy.

CANARY BIRD FOOD.

	Parts.
Dried yolk of egg	2
Poppyheads pounded coarsely	1
Cuttlefish bone, coarsely powdered	1
Granulated sugar	2
Wheat biscuit, dried and powdered	8
Mix.	

CHEMICAL GUANO, GRANDEAU.

Calcium nitrate	100
Potassium nitrate	25
Potassium phosphate	25
Magnesium sulphate	25

Dissolve from 4 to 10 grams of this powder in 1 litre of water, and water each pot plant with this once or twice a month. The plants must be in full vegetation.—*Rev. Horticult.*

MAGIC CLOTH AND GLOVE CLEANER.

This is intended for silk or dress goods, gloves, ribbons, etc.; it will not stain nor discolor.

Gasoline	1 gallon.
Chloroform	1 ounce.
Bisulphide of carbon	1 ounce.
Essential oil of almonds	5 drops.
Oil of bergamot	1 drachm.
Oil of cloves	5 drops.

Mix them. To be applied with a sponge or soft cloth; gloves are best cleaned on the hand.—*Fenner.*

HOUSEHOLD AMMONIA.

1.

Ivory soap (or other good white soap)	4 ounces.
Rainwater	4 pints.
16° ammonia water	4 pints.

Cut or shave the soap fine and dissolve it in the water by the aid of heat, then cool and add the ammonia. If other strength of ammonia water is used, make it to correspond with the 16°; for example, if the U.S. 10° is used, take only two pints of water, instead of four pints, and use six pints of ammonia water; if 20° ammonia is used, use five pints of water and three pints of ammonia water. This is sometimes called "white ammonia."

2.

Potassium carbonate	1 ounce.
Rainwater	4 pints.
Ammonia water	4 pints.

Dissolve the potassium carbonate (sal tartar) in the water and add the ammonia water.—*Fenner.*

3.

Borax	60 gm.
Oil cinnamon	10 drops.
Oil cloves	6 drops.
Oil citronella	6 drops.
Alcohol	3 gm.
Ammonia water	7.5 litres.

—*Druggisten Zeitung.*

MOTH-KILLERS.

Most of the moth-killers of the present day contain naphthalin (so-called "coal-tar camphor") as their active ingredient, alone, or in combination with gum camphor, or other insecticides. We append a few formulas:

CEDAR-TAR CAMPHOR.

	Parts.
Powdered naphthalin	19
Oil cedar	1

MOTH POWDER.

	Parts.
1.—Naphthalin	2
Camphor	4
Oil cinnamon	2
Oil eucalyptus	2
Patchouli	10
Valerian	5
Tobacco	2
Orris root	5
Sumbul root	5

All the ingredients to be powdered.

2.—Naphthalin	3,000
Camphor	1,000
Cumin	2
Nitrobenzine	10
Oil neroli	1
3.—Capsicum	1
Naphthalin	4
Insect powder	5
4.—Cloves	50
Black pepper	100
Quassia	100

Sprinkle the powdered drugs with

Oil cassia	2
Oil bergamot	2
Previously dissolved in	
Ether	20
Then mix with	
Ammonium carbonate	20
Orris root	20

MOTH ESSENCE.

1.—Naphthalin	10
Carbolic acid	10
Camphor	5
Alcohol	500
Spirit lemon	5
Oil thyme	2
Oil lavender	2
Oil savine	2

This may be used by sprinkling, or, better still, by means of an atomizer.

	Parts.
2.—Oil patchouli	1
Nitrobenzine	9
Naphthalin	20
Carbolic acid	20
Camphor	50
Oil turpentine	50
Alcohol	850

Mix, let stand for several days, and filter.

—*Merck's Report.*

COCA DENTIFRICE.

This novel preparation has lately been devised by an eminent dental surgeon, and has, we understand, been used with very satisfactory results in cases of chronic toothache, and tender, spongy gums, etc. Although not quite so economical as the general run of tooth-powders, its superior qualities render it, like most other really good things, the cheapest in the long run.

Calc. phosph. precip.	2 oz.
Rad. irid. precip.	1 oz.
Gum myrrhæ Turc., opt.	½ dr.
Cocaine hydrochloras.	1½ gr.
Ol. Eucalypt. glob.	12 minims.
Alcohol	q.s.

Mix together the orris root and myrrh, both in fine powder; dissolve the cocaine and eucalyptus oil in the requisite quantity of spirit, and add this solution to the phosphate of lime previously desiccated, and warmed to about 130° or 140° F. in a glass or porcelain mortar, stirring with a pestle or spatula until evenly absorbed. If required to be colored at all, the tinctorial matter may be added at this stage. Lastly, shake in the orris root mixture, and work the whole until perfectly homogeneous.

A little of this coca dentifrice applied regularly upon a wet tooth-brush in the usual manner will, it is said, speedily strengthen the gums, and give relief from pain, even when the teeth, or some of them, are badly decayed, and aching from the consequent exposure of their nerves.—*Monthly Magazine of Pharmacy.*

VANILLA ESSENCES.

The *Zeitschrift für Kohlensäure Industrie* gives the following formulae for preparing three grades of vanilla essences:

(1) *Plain*: Vanillin, twenty parts; absolute alcohol, 600 parts; water, 450 parts. Dissolve the vanillin in the alcohol and add the water.

(2) *Stronger*: Musk, one part; potassium carbonate, one part; vanilla beans cut up, sixty parts; boiling water, 240 parts; alcohol, 720 parts. Mix the vanilla, musk, and potassium salt, and pour over them the boiling water. Let stand until quite cold, then add the alcohol and set aside for fourteen days. Finally, strain, express, and filter the colate.

(3) *Strongest*: Vanilla, in fine bits, 250 parts; alcohol, 95°, 2,500 parts; water, 1,500 parts. Mix the alcohol and water, and pour one-third of the mixture over the cut beans. Put into a vessel with a tight cover, place in the water bath and keep for one hour at 60°C. Pour off the liquid, and set aside. To the residue in the vessel add one-half of the remaining alcohol and water, and treat in the same manner. Repeat the operation with the remainder of the liquid. Remove the vanilla to an extraction apparatus, pack and extract with 250 parts of alcohol and water mixed in the proportion indicated above. Mix the results of the three infusions, filter, and wash the filter with the result of the percolation, allowing the percolate to run through and mingle with the original filtrate.

To prepare a syrup with either of these essences, mix fifteen parts of the essence, eight parts of caramel solution and 4,500 parts of syrup in which fifteen parts of gelatin have been previously dissolved by the aid of gentle heat.—*National Druggist.*

BLACK STAIN FOR WOOD.

Make a solution of 67 parts of sodium chlorate, and an equal amount of copper chloride in 1,000 parts of water. Make another, in the same amount of water, of 150 parts of anilin hydrochlorate. The