

Formulary

SOME NEW INSECTICIDES.

The *Revue de chimie industrielle* gives the following formulæ for insecticides and parasiticides:

	Parts.
1. Staphisagria seed.....	5
Quassia chips.....	25
Water.....	850

Infuse together.

	Parts.
2. Kerosene.....	67
Yellow soap.....	33
Water.....	33

Dissolve the soap in the water and mix with the kerosene by agitation.

	Parts.
3. Benzin deodorized.....	10
Cedarwood oil.....	1
Wintergreen oil.....	1

Mix and dissolve.

This makes a capital bed-bug exterminator.—*Ed. National Druggist.*

	Parts.
4. Soap, common yellow.....	10
Ammonia water.....	500
Water.....	500

Dissolve the soap in the water by the aid of heat, and when cold mix the solution with the ammonia water.

	Parts.
5. Borosalicylate of sodium.....	2
Decoction of quassia.....	98

Mix.

This preparation is called the "*Liquor insecta fugans*," or "*Insectifuge Germain*."—*Nat. Druggist.*

INDELIBLE RED LAUNDRY INK.

The *Bayerische Industrie und Gewerbe Blotte* gives the following for an indelible red marking ink for laundry purposes. Make three solutions, as follows:

	Parts.
1. Sodium carbonate, impure.....	3
Gum arabic.....	3
Water.....	12
2. Platinum chloride.....	1
Distilled water.....	24
3. Tin chloride.....	1
Distilled water.....	4

Solution No. 1 is to be used for moistening the spot on which the writing is to go. A hot iron is then passed over the spot, and the name or design is put on with a quill or pencil, dipped in solution No. 2. As soon as it dries, the spot is moistened with solution No. 3.—*Nat. Drug.*

CLEANSING FLUIDS.

A new spot-remover, or cleansing fluid, which, it is claimed, is of extraordinary value, is made as follows:

	Parts.
1. Saponin.....	7
Water.....	130
Alcohol.....	70
Benzin.....	1788
Oil Mirbane.....	5
2. Benzene (benzol).....	89
Acetic ether.....	10
Pear oil.....	1

This yields an effective grease eradicator of an agreeable odor.

PASTE FOR METAL COLLAPSIBLE TUBES.

It is claimed that a cement made of equal parts of rosin and shellac, dissolved in six parts of alcohol, adheres to white metal with the greatest tenacity, and may even be used for cementing two pieces of this metal together.

WHITE INK

To prepare white ink, a mucilage of gum acacia is prepared, and with this is mixed zinc white in sufficient quantity. In order to make the ink smooth, after mixing the zinc white, the whole is well rubbed with a palette knife or glass muller upon a slab of glass. A few drops of carbolic acid are added as a preservative.

FURNITURE CREAM.

	Parts.
Soap, Castile.....	2
Potassium carbonate.....	1
Yellow wax.....	16
Oil of turpentine.....	16
Water.....	60

Dissolve the potassium carbonate in the water by the aid of heat, and strain into a large jar; melt the yellow wax, take the vessel from the fire, and add the oil of turpentine. Now mix the two solutions and stir well.

FURNITURE PASTE.

	Parts.
Paraffin wax.....	7 ounces.
Petroleum jelly.....	2 ounces.
Solution of potassa.....	5 drachms.
Yellow wax.....	3 ounces.
Alkanet root.....	1 ounce.
Turpentine.....	12 ounces.

Place the first four ingredients in a vessel and melt with a gentle heat; then add the others, digest an hour and strain.

FURNITURE POLISH.

	Parts.
Shellac, best quality orange.....	1000
Rosin.....	65
Venice turpentine.....	200
Alcohol.....	2600

Mix and put in a warm place, agitating frequently until the resins are dissolved.

Let stand for four weeks, or until completely limpid, then decant.

FURNITURE POLISH.

	Parts.
Vinegar.....	6
Linseed oil.....	3
Methylated spirit.....	3
Antimony chloride solution.....	1
Armenian bole sufficient.	

Mix. The bole must be rubbed down very finely, or scratching of the furniture may be the result.

GRAFTING WAX.

I.

	Parts.
Beeswax.....	75
Purified resin.....	125
Turpentine.....	36
Rape oil.....	12
Venice turpentine.....	25
Zinc white.....	25

Color yellow with turmeric.

II.

	Parts.
Japan wax.....	100
Yellow wax.....	300
Resin.....	800
Turpentine.....	400
Hard paraffin.....	100
Suet.....	300
Venice turpentine.....	600

FLUID GRAFTING WAX.

I.

	Parts.
Resin.....	1250
Pitch.....	200
Linseed oil.....	120
Turpentine.....	50
Yellow wax.....	130

Melt with a gentle heat; stir continually until cold, and then add methylated spirit, 400 fluid parts.

II.

Burgundy pitch, 500, is melted slowly, removed from the fire and mixed with alcohol 70 or 80. Put up in wide-necked bottles or tins.

III.

	Parts.
Turpentine.....	
Resin.....	1
Wood alcohol.....	4

—*Amer. Druggist.*

ELASTIC MUCILAGE.

Dissolve one part of salicylic acid in twenty parts of alcohol, and add three parts of soft soap and three parts of glycerine. Shake thoroughly, and add the mixture to a mucilage prepared from ninety-three parts of gum arabic, and the requisite amount of water (about one hundred and eighty parts). This mucilage is said to keep well, and, when it dries, to remain elastic without tendency to cracking.—*Nat. Druggist.*