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*Notified in
Army Orders for
June, 1940*

**PHARMACOPŒIA
FOR USE IN
MILITARY HOSPITALS
1940**

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**LONDON
HIS MAJESTY'S STATIONERY OFFICE
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Great Britain
1940

Printed in
Great Britain
1940

By Command of the Army Council,

P. J. G. G.

THE WAR OFFICE,
30th June, 1940.

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PHARMACOPŒIA
FOR USE IN
MILITARY HOSPITALS
1940

PREFACE

This edition follows the general scheme of the original 1938 publication, but for the guidance of those not familiar with that volume the following principles on the restriction of contents are repeated :—

- (1) That the size of the publication should be such that the main ingredients of all preparations should be readily remembered by the medical officers ordering them.
- (2) That the formulas should represent combinations of drugs in frequent demand.
- (3) That wastage by reason of deterioration or lack of use should be reduced to a minimum.

Should difficulties arise during the war in obtaining certain ingredients, substitution or deletion is left to the discretion of the prescriber.

A few additions have been made, *e.g.* a list of the numbered tablets in common use in the Army.

For ease in reference an index has also been included.

Brief notes on the treatment of poisoning, with antidotes for the more common poisons, appear at the end of the pharmacopœia.

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LINCTUSES

Linct. Codein. Co. COMPOUND CODEINE LINCTUS—

Syrup of Codeine Phosphate	...	℥.	30
Syrup of Wild Cherry	...	℥.	30

Dose.—Sixty minims.

Linct. Morph., MORPHINE LINCTUS—

Solution of Morphine Hydrochloride	℥.	15
Syrup of Tolu ℥.	30
Water to fl. dr.	1

Dose.—Sixty minims.

Linct. Scill. Co., GEE'S LINCTUS—

Camphorated Tincture of Opium	...	℥.	20
Oxymel of Squill	...	℥.	20
Syrup of Tolu	...	℥.	20

Dose.—Sixty minims.

MIXTURES

Mist. Acetylsal. c. Quinin., ASPIRIN AND QUININE MIXTURE—

Aspirin	grs.	10
Quinine Sulphate	grs.	3
Mucilage of Tragacanth	q.s.	
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

N.B.—This mixture must be freshly prepared.

Mist. Acetylsal., Phen. et Caffein., A.P.C. MIXTURE—

Aspirin	grs.	5
Phenacetin	grs.	5
Caffeine Citrate	grs.	3
Mucilage of Tragacanth	q.s.	
Chloroform Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Acid. Sulph. c. Opio, SULPHURIC ACID MIXTURE WITH OPIUM—

Dilute Sulphuric Acid	℥.	15
Tincture of Opium	℥.	20
Strong Tincture of Ginger	℥.	5
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Alba, WHITE MIXTURE—

Magnesium Sulphate	grs.	120
Heavy Magnesium Carbonate	grs.	15
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Bismuth. c. Soda, BISMUTH AND SODA MIXTURE—

Bismuth Carbonate	grs.	20
Sodium Bicarbonate	grs.	15
Spirit of Chloroform	℥.	20
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Bismuth. Sed., SEDATIVE BISMUTH MIXTURE—

Bismuth Carbonate	grs.	10
Sodium Bromide	grs.	6
Dilute Hydrocyanic Acid	℥.	3
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

(N.B.—The Dilute Hydrocyanic Acid may be omitted if there is no gastric pain.)

Mist. Bromid., BROMIDE MIXTURE—

Ammonium Bromide	grs.	5
Potassium Bromide...	grs.	5
Sodium Bromide	grs.	5
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Buchu Co., COMPOUND BUCHU MIXTURE—

Potassium Citrate	grs.	30
Liquid Extract of Hyoscyamus	℥.	3
Concentrated Infusion of Buchu	℥.	60
Chloroform Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Carminat., CARMINATIVE MIXTURE—

Sodium Bicarbonate	grs.	10
Aromatic Spirit of Ammonia	℥.	20
Compound Tincture of Cardamom	℥.	30
Glycerin	℥.	20
Concentrated Dill Water	℥.	10
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Cascaræ, CASCARA MIXTURE—

Liquid Extract of Cascara Sagrada	℥.	30
“ “ Liquorice	℥.	30
Aromatic Spirit of Ammonia	℥.	15
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Creosoti, CREOSOTE MIXTURE—

Creosote	℥.	3
Potassium Iodide	grs.	3
Alcohol	℥.	10
Liquid Extract of Liquorice	℥.	20
Chloroform Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Diaphoret., DIAPHORETIC MIXTURE—

Dilute Solution of Ammonium
Acetate	℥.	240
Potassium Citrate	grs.	10
Spirit of Nitrous Ether	℥.	30
Chloroform Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Diuret., DIURETIC MIXTURE—

Potassium Acetate	grs.	20
„ Citrate	grs.	10
Spirit of Nitrous Ether	℥.	30
Camphor Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Expect. Conc., CONCENTRATED EXPECTORANT MIXTURE (for Field Equipment)—

Ammonium Carbonate	grs.	4
Spirit of Chloroform	℥.	15
Tincture of Ipecacuanha	℥.	15
„ Squill	℥.	10
Concentrated Infusion of Senega	℥.	20

Dose.—Sixty minims in water every fourth hour.

Mist. Expect. Sed., SEDATIVE EXPECTORANT MIXTURE—

Camphorated Tincture of Opium	℥.	30
Oxymel of Squill	℥.	30
Syrup of Tolu	℥.	60
Concentrated Infusion of Cascarilla	℥.	60
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Expect. Stim., STIMULATING EXPECTORANT MIXTURE—

Potassium Iodide	grs.	3
Ammonium Carbonate	grs.	5
Tincture of Ipecacuanha	℥.	10
Tincture of Squill	℥.	10
Syrup of Tolu	℥.	40
Concentrated Infusion of Senega	℥.	60
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Ferri c. Arsen., IRON AND ARSENIC MIXTURE—

Iron and Ammonium Citrate	...	grs.	15
Arsenical Solution (B.P.)	...	℥.	3
Chloroform Water to	...	fl. oz.	1

Dose.—One fluid ounce.

Mist. Ferri c. Nuc. Vom., IRON TONIC MIXTURE—

Iron and Ammonium Citrate	...	grs.	30
Tincture of Nux Vomica	...	℥.	5
Glycerin	...	℥.	120
Peppermint Water to	...	fl. oz.	1

Dose.—One fluid ounce.

Mist. Ferri Lax., LAXATIVE IRON MIXTURE—

Iron and Ammonium Citrate	...	grs.	30
Magnesium Sulphate	...	grs.	30
Tincture of Nux Vomica	...	℥.	5
Glycerin	...	℥.	60
Peppermint Water to	...	fl. oz.	1

Dose.—One fluid ounce.

Mist. Lobel. Co., COMPOUND LOBELIA MIXTURE—

Potassium Iodide	...	grs.	10
Ammonium Carbonate	...	grs.	5
Ethereal Tincture of Lobelia	...	℥.	20
Tincture of Ipecacuanha	...	℥.	20
Spirit of Chloroform	...	℥.	5
Concentrated Infusion of Senega	...	℥.	60
Water to	...	fl. oz.	1

Dose.—One fluid ounce.

Mist. Nucis Vom. Acid., ACID TONIC MIXTURE—

Dilute Hydrochloric Acid	℥.	10
Tincture of Nux Vomica	℥.	20
Concentrated Compound Infusion of Gentian	℥.	60
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Paraldehydi, PARALDEHYDE MIXTURE—

Paraldehyde	℥.	60
Liquid Extract of Liquorice	℥.	20
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

N.B.—Shake before use.

**Mist. Pot. Chlor. c. Sod. Salicyl., POTASSIUM
CHLORATE AND SODIUM SALICYLATE MIXTURE—**

Potassium Chlorate	grs.	7½
Sodium Salicylate	grs.	10
Tincture of Orange	℥.	10
Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Pot. Iodid., POTASSIUM IODIDE MIXTURE—

Potassium Iodide	grs.	10
Aromatic Spirit of Ammonia	℥.	15
Chloroform Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. pro Cholera, MIXTURE FOR CHOLERA (TOMB'S ESSENTIAL OIL FORMULA)

Aromatic Sulphuric Acid	℥.	15
Oil of Aniseed	℥.	5
Oil of Cajuput	℥.	5
Oil of Juniper	℥.	5
Spirit of Ether	℥.	30

Dose.—Thirty minims in water every 15 minutes up to a total of one to one-and-a-half fluid ounces.

N.B.—Store in amber-coloured stoppered bottle.

Mist. pro Diarrhœa, MIXTURE FOR DIARRHŒA (*for Field Equipment*)—

Aniseed Oil	℥.	90
Cajuput Oil	℥.	90
Juniper Oil	℥.	90
Ether (.720)	℥.	240
Alcoholized Sulphuric Acid	℥.	30
Tincture of Cinnamon (B.P. 1885)	℥.	420

Dose.—Ten minims every fifteen minutes in a tablespoonful of water.

Mist. Rhei c. Soda, RHUBARB AND SODA MIXTURE—

Sodium Bicarbonate	grs.	20
Compound Tincture of Rhubarb	℥.	30
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce

Mist. Sedativa, SEDATIVE MIXTURE (TWO FIFTEENS MIXTURE)—

Potassium Bromide	grs.	15
Chloral Hydrate	grs.	15
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.**Mist. Sedativa c. Opio**, SEDATIVE MIXTURE WITH OPIUM (THREE FIFTEENS MIXTURE)—

Potassium Bromide	grs.	15
Chloral Hydrate	grs.	15
Tincture of Opium	℥.	15
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.**Mist. Sennæ Co. Conc.**, CONCENTRATED COMPOUND SENNA MIXTURE (*for Field Equipment*)—

Liquor for Syrup of Senna (1 to 7)	℥.	36
Extract of Liquorice	...	grs. 48
Magnesium Sulphate	...	grs. 384
Compound Tincture of Cardamom	℥.	144
Water to	...	fl. oz. 2

Dose.—Half to one fluid ounce *or* as directed.**Mist. Sod. Salicyl.**, SODIUM SALICYLATE MIXTURE—

Sodium Salicylate	grs.	20
„ Bicarbonate	grs.	20
„ Thiosulphate	gr.	1
Peppermint Water to	fl. oz.	1

Dose.—One fluid ounce.

Mist. Valerian., VALERIAN MIXTURE—

Ammoniated Tincture of Valerian	℥.	40
Potassium Bromide	... grs.	15
Syrup of Ginger	... ℥.	15
Chloroform Water to	... fl. oz.	1

Dose.—One fluid ounce.

N.B.—*FLAVOURING AGENTS*—*Peppermint, chloroform and other medicated waters may be interchanged as desired.*

PRESCRIPTIONS FOR CHILDREN

For ages up to 1 year.

Mist. Ammon. Acet. (Infant.), INFANTS' AMMONIUM ACETATE MIXTURE—

Dilute Solution of Ammonium

Acetate	℥.	15
Potassium Citrate	grs.	2
Syrup	℥.	5
Spirit of Chloroform	℥.	1
Camphor Water to	℥.	60

Dose.—Sixty minims.

Mist. Carminat. (Infant.), INFANTS' CARMINATIVE MIXTURE—

Compound Tincture of Cardamom	℥.	5
Aromatic Spirit of Ammonia	℥.	2
Syrup	℥.	10
Aniseed Water to	℥.	60

Dose.—Sixty minims.

Mist. Chloral. (Infant.), INFANTS' CHLORAL MIXTURE

Chloral Hydrate	grs.	2
Potassium Bromide	grs.	2
Syrup of Orange	℥.	15
Water to	℥.	60

Dose.—Sixty minims.

Mist. Expect. Sed. (Infant.), INFANTS' SEDATIVE**EXPECTORANT MIXTURE—**

Tincture of Ipecacuanha	℥.	5
Spirit of Nitrous Ether	℥.	2½
Syrup of Tolu	℥.	20
Glycerin	℥.	10
Water to	℥.	60

Dose.—Sixty minims every three or four hours.

Mist. Expect. Stim. (Infant.), INFANTS' STIMULATING**EXPECTORANT MIXTURE—**

Ammonium Carbonate	gr.	1
Potassium Bicarbonate	grs.	5
Liquid Extract of Liquorice	℥.	5
Water to	℥.	60

Dose.—Sixty minims every three or four hours.

Mist. Ferri Phosph. Co. (Infant.), INFANTS' COM-**POUND IRON MIXTURE—**

Compound Syrup of Ferrous Phosphate	℥.	15
Dill Water to	℥.	60

Dose.—Sixty minims.

Mist. Ipecac. Co. (Infant.), INFANTS' COMPOUND**IPECACUANHA MIXTURE—**

Potassium Citrate	grs.	2
Tincture of Ipecacuanha	℥.	2
Syrup of Tolu	℥.	5
Tincture of Squill	℥.	1
Camphorated Tincture of Opium	℥.	4
Water to	℥.	60

Dose.—Sixty minims.

Mist. Ol. Ricini (Infant.), INFANT'S CASTOR OIL MIXTURE—

Castor Oil	℥.	5
Mucilage of Acacia	℥.	10
Caraway Water to	℥.	60

Dose.—Sixty minims.

Mist. Rhei et Magnes. (Infant.), INFANTS' RHUBARB AND MAGNESIA MIXTURE—

Compound Tincture of Rhubarb	℥.	15
Sodium Bicarbonate	grs.	5
Magnesia Levis	grs.	5
Syrup of Ginger	℥.	15
Caraway Water to	℥.	60

Dose.—Sixty minims.

Pulv. Rhei et Soda (Infant.), INFANTS' RHUBARB AND SODA POWDER—

Powdered Rhubarb	grs.	2
Sodium Bicarbonate	grs.	2½
Powdered Ginger	gr.	½
Saccharin	gr.	⅓

Dose.—Five grains.

PRESCRIPTIONS

FOR USE IN

DERMATOLOGICAL DEPARTMENTS

Balneum Alkalinum, ALKALINE BATH—

Sodium Carbonate	oz.	3
Potassium Carbonate	oz.	3
Water (hot) to	galls.	30

Directions for Use.—For urticaria and pruriginous conditions.

Gelat. Zinci, UNNA'S PASTE—

(1) Zinc Oxide (finely sifted)	oz.	1
(2) Glycerin	oz.	2½
(3) Gelatin	oz.	1
(4) Water	oz.	2½

Directions for Making.—Soak the gelatin in the water until thoroughly softened (about 12 hours), then add glycerin and heat on a water bath until the gelatin is dissolved. Triturate the zinc oxide with a portion of the solution and transfer back to container on the water bath. When a uniform product has been obtained, remove from the bath and stir until the paste is about to set. When cold, cut up into pieces about one cubic inch in size.

Directions for Use.—The preparation should be melted over a water bath and applied to the affected part with a brush. During the application cotton wool is often dabbed on while the paste is still fluid ; in this way a felt-like protective is formed which can be left on the sore for several days.

Lin. Calaminæ, CALAMINE LINIMENT—

Lime Water	1 part
Olive Oil	1 part
Calamine Lotion	1 part

Lot. Calaminæ, CALAMINE LOTION—

Calamine	grs.	30
Zinc Oxide	grs.	20
Glycerin	℥.	10
Water to	fl. oz.	1

N.B.—If there is much itching, five minims of Dilute Hydrocyanic Acid may be added.

Lot. Calam.c. Sulph., CALAMINE AND SULPHUR LOTION—

Sublimed Sulphur	grs.	10
Calamine Lotion to	fl. oz.	1

N.B.—As a lotion for acne.

Lot. Glycerini, GLYCERIN HAND LOTION—

Glycerine	fl. oz.	1
Oil of Lemon	℥.	3
Oil of Lavender (or Rosemary)	℥.	6
Water	fl. oz.	1½
Mucilage of Tragacanth to	fl. oz.	10

Lot. pro Capillo, HAIR LOTION—

Resorcin	grs.	60
Castor Oil	℥.	40
Tincture of Quillaia	℥.	240
Oil of Rosemary	℥.	24
Water to	fl. oz.	6

Pasta Zinci Co., LASSAR'S SOOTHING PASTE—

Zinc Oxide	1 part
Powdered Starch	1 part
Soft Paraffin	2 parts

Pasta Zinci Co. Stim., LASSAR'S STIMULATING PASTE—

Salicylic Acid	grs.	5
Lassar's Soothing Paste to	oz.	1

Pigment. Acid. Salicyl., SALICYLIC CORN PAINT—

Salicylic Acid	grs.	60
Flexible Collodion to	fl. oz.	1

Directions for Use.—Paint the corn every night and remove the dead skin in the morning.

Pulv. Acid. Salicyl. Co., COMPOUND SALICYLIC POWDER—

Salicylic Acid	grs.	10
Zinc Oxide	oz.	$\frac{1}{2}$
Boric Acid	oz.	$\frac{1}{2}$

Directions for Use.—Apply as dusting powder for excessive sweating of the feet.

Spt. Saponis, SPIRIT SOAP (SHAMPOO)—

Soft Soap	2 parts
Methylated Spirit, Industrial (Acetone free)	1 part

Ung. Acid. Salicyl. Co., COMPOUND SALICYLIC OINTMENT—

Oil of Cade	℥.	20
Salicylic Acid Ointment to	oz.	1

Ung. Acid. Salicyl. c. Acid. Benzoic., SALICYLIC OINTMENT WITH BENZOIC ACID—

Benzoic Acid	grs.	15
Salicylic Acid Ointment to	oz.	1

Ung. Marcussen, MARCUSSEN'S OINTMENT—

	grammes	lb.	oz.
Lanoline, anhydrous	225		8
Paraffin, soft	225		8
Potassium Hydroxide	868	1	14½
Sodium Hydroxide (20 per cent. solution)	40		1⅜
Sulphur, sublimed	875	1	14¾
Zinc Sulphate	28		1
Benzaldehyde	5	80 grains	
Water, distilled	1,500	52¾ fl. oz.	
Paraffin, liquid...	q.s.	q.s.	

(1) *To make the Sulphur Lye.*—Dissolve the potassium hydroxide in half the distilled water and add 250 grammes (8¾ oz.) of sulphur.

Dissolve on a water bath by gentle heat. When completely dissolved add a further 250 grammes ($8\frac{3}{4}$ oz.) of sulphur, dissolve and continue to add up to 875 grammes (1 lb. $14\frac{3}{4}$ oz.).

Add remainder of distilled water.

Cool and decant into another vessel, preferably allowing it to stand several days before decanting.

The making of the sulphur lye should not be hurried, and it must not be brought to the boil. It takes 12 to 16 hours to dissolve the full amount of sulphur.

(2) Mix the soft paraffin and lanoline thoroughly and add 375 grammes (13 oz.) of the sulphur lye.

Mix thoroughly.

(3) Mix the zinc sulphate and solution of sodium hydroxide to give freshly prepared zinc hydroxide and add to (2).

(4) Add the benzaldehyde and sufficient liquid paraffin to produce 1,000 grammes (2 lb. $3\frac{1}{4}$ oz.).

Ung. Metallorum, COMPOUND LEAD AND MERCURY OINTMENT—

Calomel	grs.	5
Strong Solution of Lead Acetate	...				℥.	10
Ichthyol	grs.	10
Strong Ointment of Mercuric Nitrate	grs.	10
Soft Paraffin to	oz.	1

PRESCRIPTIONS

FOR USE IN

EAR, NOSE AND THROAT DEPARTMENTS

Collun. Alk. Co., COMPOUND NASAL DOUCHE—

Sodium Biborate	grs.	12
„ Bicarbonate	grs.	12
Liquefied Phenol	℥.	6
Sugar (Sucrose)	grs.	20
Water to	fl. oz.	1

Collun. Alk. (Pulv.), ALKALINE NASAL DOUCHE (POWDER)—

Sodium Biborate	1 part
„ Bicarbonate	1 part
„ Chloride	2 parts

Directions for Use.—One teaspoonful to half a pint of water as a nasal douche.

Garg. Iodi, IODINE GARGLE—

Liquefied Phenol	℥.	10
Weak Solution of Iodine	℥.	10
Alum	grs.	30
Saturated Solution of Potassium Chlorate to	fl. oz.	1

Directions for Use.—Use with 15 times its own volume of water as a gargle.

Garg. Pot. Chlor., POTASSIUM CHLORATE GARGLE—

Potassium Chlorate	grs.	15
Water to	fl. oz.	1

Garg. Pot. Chlor. c. Phenol, POTASSIUM CHLORATE GARGLE WITH PHENOL—

Potassium Chlorate	grs.	15
Liquefied Phenol	℥.	6
Glycerin	℥.	15
Water to	fl. oz.	1

Inhal. Menth., MENTHOL INHALATION—

Menthol	grs.	16
Heavy Magnesium Carbonate	grs.	10
Methylated Spirit, Industrial (Acetone free)	℥.	90
Water to	fl. oz.	1

Directions for Use.—One fluid ounce to a jug of boiling water. Steam to be inhaled.

Lot. Eusol, EUSOL—

Chlorinated Lime	grs.	120
Boric Acid Powder	grs.	120
Water to	fl. oz.	20

Directions for Making.—Powder the chlorinated lime and triturate with water to form a paste. Transfer to a bottle and rinse the apparatus with about half the bulk of water to inhibit loss of chlorine. Add the boric acid, which has previously been dissolved in the

other half of the water, shake well and allow to stand for at least 15 minutes. Make up to volume and filter.

N.B.—The water used should be as cool as practicable and the manufacture should preferably be carried out at or below 9° C.

Directions for Storage.—Keep in well closed containers in a cool place and protect from light. Should *not* be used when more than three weeks old.

Directions for Use.—Dilute with water to 1 in 4 strength and douche the ear thoroughly with this solution. Dry out the ear and blow in the iodine insufflation powder.

Neb. Menth. Co., COMPOUND MENTHOL SPRAY—

Menthol	grs.	10
Thymol	gr.	1
Eucalyptol	℥.	60
Oil of Pine (Sylvestris)	℥.	40
Liquid Paraffin to	fl. oz.	1

N.B.—0.25 per cent. to 1 per cent. ephedrine hydrochloride may be added to the above.

Ol. pro Naso, NASAL OIL—

Dilute Ointment of Mercuric Ni-						
trate	grs.	30
Menthol	grs.	5
Olive Oil to	fl. oz.	1

Pigment. Cocain. Co., COMPOUND COCAINE PAINT—

Dilute Ointment of Mercuric Ni-					
trate	grs. 30
Menthol	grs. 2
Oil of Lavender	℥. 10
Cocaine Hydrochloride	grs. 6
Olive Oil to	fl. oz. 1

Directions for Use.—Apply with a camel-hair brush.

Pulv. Iodi Insuff., IODINE INSUFFLATION POWDER—

Iodine	grs. 3
Methylated Spirit, Industrial (Ace-					
tone free)	q.s.
Boric Acid Powder	grs. 397

N.B.—This powder contains 0.75 per cent. of Iodine and should be stored in a glass-stoppered bottle.

Directions for Use.—To be blown into the ear after douching with diluted eusol.

Ung. pro Naso, NASAL OINTMENT—

Dilute Ammoniated Mercury Oint-					
ment	1 part
Soft Paraffin	1 part

PRESCRIPTIONS

FOR USE IN

OPHTHALMIC DEPARTMENTS

Collyr. c. Hamam., EYE LOTION WITH HAMAMELIS—

Boric Acid	grs.	8
Zinc Sulphate	gr.	$\frac{1}{4}$
Solution of Hamamelis	℥.	30
Water to	fl. oz.	1

Collyr. Zinci Co., ZINC EYE LOTION—

Boric Acid	grs.	8
Zinc Sulphate	gr.	$\frac{1}{2}$
Water to	fl. oz.	1

Gutt. Ophthalm., EYE DROPS—

Boric Acid	grs.	10
Zinc Sulphate	gr.	1
Solution of Adrenalin (1 in 1,000)	℥.	30
Distilled Water to	fl. oz.	1

Gutt. Ophthalm. Argento-Protein., SILVER PROTEINATE EYE DROPS—

Strong Silver Proteinate	grs.	80
Distilled Water to	fl. oz.	1

Gutt. Ophthalm. Atrop., ATROPINE EYE DROPS—

Atropine Sulphate	grs.	4
Distilled Water to	fl. oz.	1

Gutt. Ophthalm. Cocain., COCAINE EYE DROPS—

Cocaine Hydrochloride	grs.	16
Distilled Water to	fl. oz.	1

**Gutt. Ophthalm. Eserin., ESERINE EYE DROPS
(PHYSOSTIGMINE)—**

Eserine Sulphate	grs.	2
Distilled Water to	fl. oz.	1

**Gutt. Ophthalm. Homatropin. et Cocain., HOM-
ATROPINE AND COCAINE EYE DROPS—**

Homatropine Hydrobromide	grs.	8
Cocaine Hydrochloride	grs.	8
Distilled Water to	fl. oz.	1

Liq. Sod. Chlor., NORMAL SALINE FOR EYES—

Sodium Chloride	grs.	80
Water to	pint	1

Oculent. Atrop., ATROPINE EYE OINTMENT—

Atropine (alkaloid)	grs.	4
Yellow Soft Paraffin to	oz.	1

Directions for Making.—Liquefy the soft paraffin on a water bath, stir in the atropine dissolved in a minimum quantity of chloroform. Keep warm until the chloroform has been completely evaporated. Stir gently until the product has set.

**Oculent. Hydrarg. Ammon., DILUTE AMMONIATED
MERCURY EYE OINTMENT—**

Ammoniated Mercury	grs.	8
Paraffin Ointment to	oz.	1

TABLETS

The following tablets are contained in the Tablet Tin and are listed below for reference purposes :—

No.

1. Adrenalin, 0·0003 G.
2. Dover's Powder, 5 grs.
3. Bismuth Salicylate, 5 grs.
- *4. Cough.
5. Aspirin, 5 grs.
6. Morphine Tartrate, $\frac{1}{4}$ gr.
7. Calomel, 1 gr.
- *8. Lead and Opium.
- †*9. Cathartic.
10. Quinine Bisulphate, 5 grs. (or Quinine Hydrochloride, 4 grs).
11. Potassium Permanganate, 2 grs.
12. (Hypodermic) Quinine Dihydrochloride, 5 grs.
13. Cascara Sagrada, 3 grs.
14. (Hypodermic) Emetine Hydrochloric, $\frac{1}{3}$ gr.

*These tablets are of the following special formulas :—

No. 4. Cough—

Compound Tincture of Camphor, 10 ℥	}	in each.
Green Extract of Hyoscyamus, 1 gr.		
Ipecacuanha, in powder, $\frac{1}{10}$ gr.		

No. 8. Lead and Opium—

Lead Acetate, 3 grs.	}	in each.
Opium, in powder, 1 gr.		

†No. 9. Cathartic—

Calomel, 2 grs.	}	in each.
Compound Rhubarb Pill, 2 grs.		
Compound Colocynth Pill, 2 grs.		

† Revision of this formula is under consideration.

MISCELLANEOUS

Cadmium Iodide and Starch Solution.

Cadmium Iodide	75 grammes
Soluble Starch	15 grammes
Distilled Water to	1 litre

Dissolve the starch in about 800 c.c. of distilled water and add the cadmium iodide, previously dissolved in 100 c.c. of distilled water. Add sufficient distilled water to produce the required volume and strain through acid-washed glass wool.

Notes on Preparation.—Only freshly distilled water should be used in making this solution, and if the pH is adjusted to approximately 6.5 the keeping properties of the product are enhanced. Solution may be expedited by the use of hot distilled water.

The cadmium iodide should be re-crystallised twice before use, and it must be quite free from iodates.

The starch should be of "analytical reagent" purity.

Storage.—The solution should be kept in a cool place and protected from light.

Preventive Capsules

Mercuric Cyanide	0.075
Levigated Calomel	25.000
Anhydrous Wool Fat	15.000
Anhydrous Yellow Soft Paraffin	27.500
Anhydrous Liquid Paraffin	27.500
Vegetable Wax, m.p. about 85° C.	5.000

The mixture must be rendered absolutely anhydrous before incorporating the mercurial salts, and must be milled between granite rollers.

Each capsule contains 36 grs. of a cream prepared in accordance with the above formula.

Sinclair's Glue

Glue	50	parts
Water	50	„
Glycerin	2	„
Calcium Chloride	2	„
Thymol	1	„

TREATMENT OF POISONING

The general principles in all cases of poisoning are :—

(1) Try to remove poison or remains of it from stomach by tickling fauces, by emetics, or by lavage through a soft rubber stomach tube.

(2) Administer the chemical antidote, if known.

(3) Administer the physiological antidote, if known.

(4) Treat patient's symptoms, *e.g.* pain, failure of respiration, collapse, thirst, faintness, want of nourishment, etc.

EMETICS.—Always use harmless ones. Emetics are not always successful in poisoning by narcotics. Simple emetics are : Mustard or salt, or both, $\frac{1}{2}$ oz. of each in 10 oz. of water, by mouth ; apomorphine gr. $\frac{1}{10}$ hypodermically. *Save vomit for examination.*

LAVAGE.—Use plain warm water and *save first washings for examination.* Continue lavage with chemical antidote, if poison is known. After lavage introduce through the tube either a demulcent, or a sedative or a stimulant of milk, gruel, etc., according to circumstances.

Before lavage can be carried out in cases of strychnine poisoning, an anæsthetic will be necessary.

N.B.—Emetics and lavage should *NOT* be used in cases of poisoning by corrosive substances.

DEMULCENTS.—These include milk, white of egg solution, salad oil, and gruel.

STIMULANTS.—These include smelling salts, sal volatile, brandy, hot coffee, local application of mustard leaf

or faradism ; ether, camphor, and strychnine hypodermically.

ANTIDOTES.—An antidote cupboard should be maintained in every receiving room of a hospital and at every reception station. It should contain the stomach tube, measured quantities of emetics, the general and special antidotes in clearly labelled containers ready for immediate use, hypodermic syringes in spirit, etc.

General antidote for *unknown poison* : $\frac{1}{2}$ oz. each of calcined magnesia, powdered wood charcoal, hydrated peroxide of iron stirred in $\frac{1}{2}$ pint water. May be swallowed or used as solution for lavage.

General antidote for *unknown alkaloidal poison* : 7 grs. potassium permanganate in 1 pint water or 20 grs. tannic acid in 1 pint water.

Chemical antidotes are usually used for lavage or, where tube cannot be used, may be applied locally or swallowed by patient.

Physiological antidotes are usually given hypodermically, intravenously, or by inhalation.

ANTIDOTES

Below are given the special (a) chemical and (b) physiological antidotes for some of the more common poisons in alphabetical order.

Acids — all mineral, such as hydrochloric, nitric, or sulphuric acid.	}	(a) Magnesia in water ; lime water ; whiting.	
Battery fluids.		}	N.B.— <i>Avoid carbonates. Do not use stomach tube for lavage.</i>
Butter of antimony.			

Acid carbolic (phenol), lysol, creosote, and other derivatives. (a) Magnesium sulphate, $\frac{1}{2}$ oz. in 10 oz. water; saccharated lime water.

Acid hydrocyanic and potassium cyanide. (a) Sodium thiosulphate, 10 c.c. of 30 per cent. solution intravenously; 30 per cent. fresh ferrous sulphate solution by mouth for KCN.

(b) Atropine sulphate gr. $\frac{1}{100}$ to $\frac{1}{60}$

Acid oxalic. } (a) Lime water; saccharated
Salts of lemon. } lime water.

N.B.—Do not give sodium bicarbonate.

Aconite. (a) 7 grs. potassium permanganate or 20 grs. tannic acid in 1 pint water.

(b) Atropine sulphate gr. $\frac{1}{100}$ hypodermically. Tinct. digitalis ℥.20.

Alcohol. General principles usually suffice.

Alkalies—caustic potash, caustic soda, ammonia. (a) 20 grs. citric or tartaric acid or 2 oz. vinegar in 1 pint water.

Antimony as tartar-emetic and compounds. (a) 30 grs. tannic acid in 1 pint water; strong tea, white of egg solution.

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| Arsenic and its compounds. | (a) In the absence of hydrated peroxide of iron, fresh hydrated ferric oxide may be made by mixing $\frac{1}{2}$ oz. ferric chloride solution and $\frac{1}{4}$ oz. magnesia in 10 oz. water; <i>or</i> tinct. ferri perchlor. $\frac{1}{2}$ oz. in 10 oz. water with either $\frac{1}{2}$ oz. strong solution of sodium bicarbonate or 120 minims of weak solution of ammonia. |
| Weed killers. | |
| Sheep dips. | |
| Fly poisons. | |
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| (b) Sodium thiosulphate 0.3, 0.45, 0.6, 0.75, 0.9 G. intravenously on alternate days. | Atropine, including belladonna, nightshade, hyoscyamus, stramonium. |
| | (a) 20 grs. tannic acid <i>or</i> 7 grs. potassium permanganate in 1 pint water. |
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| Carbon monoxide as coal gas, fumes from charcoal and coal stoves, or from petrol motor engines. | (a) Oxygen mixed with 5 per cent. CO_2 through a mask; inhalations of expired air from another person; hypodermic injections of oxygen. |
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| Camphor as cubes, crystals, powder, or camphorated oil. | General principles. <i>Do not give any oils.</i> |
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Chloroform (swallowed).	(a) Water containing sodium carbonate ; warm olive oil.
	(b) Amyl nitrite inhalations.
Cocaine.	(a) 7 grs. potassium permanganate <i>or</i> 30 grs. tannic acid in 1 pint water.
Chloral Sulphonal	} In addition to general principles and symptomatic treatment— (b) Strychnine hydrochloride gr. $\frac{1}{8}$ hypodermically ; amyl nitrite inhalations.
Paraldehyde Veronal Luminal.	
Iodine and solutions	(a) Starch in water ; saccharated lime water.
Lead salts.	(a) Magnesium <i>or</i> sodium sulphate, $\frac{1}{2}$ oz. in 10 oz. water.
Mercury salts (biniodide, perchloride) in tablets or solutions.	(a) White of egg solution ; milk ; olive oil.
Morphine, opium, codeine, chlorodyne, laudanum, paregoric.	(a) 7 grs. potassium permanganate <i>or</i> 30 grs. tannic acid in 1 pint water. (b) Atropine, gr. $\frac{1}{60}$ hypodermically.
Petrol.	(a) Olive oil.

- Phosphorus and rat-pastes containing phosphorus. (a) 10 grs. copper sulphate in $\frac{1}{2}$ pint water.
Do not give castor oil for aperient or oil as demulcent. Give magnesium or sodium sulphate instead.
- Strychnine and vermin poisons containing strychnine. (a) 7 grs. potassium permanganate or 30 grs. tannic acid in 1 pint water.
N.B.—Before lavage, patient must be given a general anæsthetic.
- (b) Bromides and chloral per rectum.
- Turpentine. (a) White of egg solution; milk.
- Unknown plants, mushrooms. (a) 7 grs. potassium permanganate or 30 grs. tannic acid in 1 pint water.

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