

A SURVEY of the
OINTMENTS of the
UNITED STATES PHARMACOPOEIAS
and NATIONAL FORMULARIES

by

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A THESIS SUBMITTED FOR
the DEGREE of
BACHELOR of SCIENCE
(PHARMACY)

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University of Wisconsin

1940

Etymology: "Unguenta" (sing. Unguentum) from the Latin "ungere," to anoint, i.e., an ointment or salve. "Ointment from the French "oindre," to anoint, from the Latin "ungere" to anoint.

Definitions of Ointments

A fatty preparation of such a consistency as to be easily applied to the skin by inunction, gradually liquefying when in contact with it.¹

Ointments are fatty preparations of a softer consistence than cerates intended to be applied to the skin by inunction.²

Ointments are mixtures of various substances with fats, waxes or hydrocarbons, intended to be applied to the skin on lint or other material, or to be smeared upon the skin directly, with or without friction.³

These are fatty substances, softer than cerates, of such a consistence that they may be readily applied to the skin by inunction.⁴

Ointments are usually soft solid fatty mixtures having a melting point near the temperature of the human body.⁵

Ointments are mixtures of drugs, in fine powder, or of solutions of drugs, with animal or vegetable fats or petrolatum, or mixtures of them. They are semisolid in consistence at ordinary temperature and melt or soften when applied to the body.⁶

Ointments are soft fatty solids intended for application to the skin by inunction. They melt or gradually become liquid at the temperature of the body.⁷

Ointments are semi-solid forms of medication having a fatty base, and intended for external application.⁸

Ointments are semisolid preparations containing medicinal substances blended with fatty matter of sufficient softness to permit their being applied to the skin by inunction.⁹

Ointments are soft-solid mixtures of fats and medicinal agents, fusible at or near the normal body temperature, and intended for external application.¹⁰

An ointment is essentially a preparation of "fatty" consistence intended for application to the skin or a mucous membrane for protective or cooling purposes, or for some therapeutic function."

Ointments are soft, unctuous preparations, composed of fats, generally medicated, which are applied to the skin by inunction.¹²

These are mixtures of various medicaments with a fatty basis, intended for external use.¹³

Ointments are mixtures of a fatty vehicle with which medicinal agents are incorporated, readily fusing at the body temperature 35° to 40° C. (95° to 104° F.)¹⁴

Ointments are semisolid preparations in which the medicinal substances are blended with fatty substances, lard, petrolatum, etc., and soft enough to be applied to the skin by inunction.¹⁵

Ointments, like cerates, are medicines for external application, but their consistence is so much softer than that of cerates, that they can be applied to the skin by anointing, and hence their name.¹⁶

Under the general denomination of Ointments are included medicines intended for external application, the principal basis of which consists of some kind of grease, which is either naturally, or from the admixture of other substances in the condition of a soft solid.¹⁷

The difference between a cerate and an ointments is in their relative firmness and fusibility; the former is designed to be adhesive at the temperature of the body, is as to be applied in the form of a dressing or sort of plaster; the latter is intended to be rubbed upon the surface or applied by inunction; this distinction, is however, not absolute, and the two classes nearly approach each other in properties.¹⁸

Ointments are fatty preparations of about the consistence of lard, to be applied externally, usually by inunction.¹⁹

Ointments are soft, unctuous preparations, composed of fats, generally medicated, which are applied to the skin by inunction and melting at or below the temperature of the body.²⁰

Ointments are soft fatty solids intended for application to the skin by inunction. They melt or gradually become liquid at the temperature of the body.²¹

Ointments, commonly called "salves," are soft, fatty preparations of such consistence that they will melt at the temperature of the body and are intended to be applied externally, either with or without rubbing.²³

Ointments are fatty compounds, of the consistence of butter, for external application.²⁴

Ointments are soft or semi-solid fatty masses, intended to be applied to the skin by inunction or "rubbing in," and of such consistence that they are partially or wholly liquefied by the heat of the body.²⁵

Ointments are mixtures of various substances with fats, waxes, or hydrocarbons, intended to be applied to the skin on lint or other material, or to be smeared upon the skin directly, with or without friction.²⁶

There are mixtures of various medicaments with a fatty basis intended for external use.²⁷

Fatty preparations of such a consistency as to be easily applicable to the skin by inunction, gradually liquefying when in contact with it.²⁸

Ointments are mixtures of medicaments with fats, waxes, or hydrocarbons suitable for application to the skin or mucous membrane and having a melting point of 37.5° to 40° C., i.e., slightly above body temperature.²⁹

Ointments are unctuous preparations of a consistency to allow of their being spread upon the skin or upon a piece of lint without liquefying.³⁰

A semisolid medicinal preparation usually having fatty material, as petrolatum, lard, wool fat, etc., as a base.³¹

A fatty preparation with a butter-like consistency, as lard, lard and wax, or petrolatum, with which some medicinal substance has been incorporated: used chiefly for external application to the skin.³²

A fatty material of the consistence of butter, generally impregnated with a medicinal substance, and used for application to the skin.³³

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1820 Ointments are prepared from lard or oil rendered of the consistence of butter by the addition of suet, wax, or spermaceti, so as to suspend the dry powders and more ponderous articles, with which they are frequently incorporated. As they are to be applied to the skin, they should be soft or fluid at the temp. of the body. The following formulae are calculated for a temp. not exceeding 60° Fahr. In a higher temp. more suet or wax may be added.

N.Y. Ointments are prepared from lard or oil rendered of
1830 the consistence of butter by the addition of suet, wax, or spermaceti, so as to suspend the dry powders and more ponderous articles, with which they are frequently incorporated. As they are to be applied to the skin, they should be soft or fluid at the temp. of the body. The following formulae are calculated for a temp. not exceeding 60° Fahr. In a higher temp. more suet or wax may be added.

1820

UNGUENTUM SIMPLEX

Simple Ointment

Take of White wax, two parts.
Olive oil, five parts.

Melt them together and keep stirring until cool.

Phil.

1830

UNGUENTUM SIMPLEX

Simple Ointment

Take of White Wax a pound:
Lard four pounds.

Melt them together with a gentle heat, and stir them constantly till they are cold.

N.Y.

1830

UNGUENTUM SIMPLEX

Simple Ointment

Take of White wax, four ounces,
Olive oil, four fluidounces;

Melt them together and keep stirring until cool.

1840

UNGUENTUM SIMPLEX

Simple Ointment

Take of White Wax a pound;
Lard four pounds.

Melt them together with a gentle heat, and stir them constantly till they are cold.

1850

UNGUENTUM SIMPLEX

Simple Ointment

Take of White Wax a pound;
Lard four pounds.

Melt them together with a gentle heat, and stir them constantly till they are cold.

1860

UNGUENTUM ADIPIS

Ointment of Lard

Unguentum Simplex, Pharm., 1850

Take of Lard eight troyounces;
White Wax two troyounces.

Melt them together with a moderate heat, and stir the mixture constantly while cooling.

1870

UNGUENTUM

Ointment

Unguentum Adipis, Pharm., 1860

Take of Lard eight troyounces;
Yellow Wax two troyounces.

Melt the Wax, and add the Lard gradually; then stir the mixture constantly while cooling.

1880

UNGUENTUM

Ointment

| | |
|--------------------------------|------------|
| Lard, eighty parts..... | 80 |
| Yellow Wax, twenty parts..... | 20 |
| To make one hundred parts..... | <u>100</u> |

Melt the Yellow Wax, and gradually add to it the Lard; then stir the mixture constantly until it is cool.

1890

UNGUENTUM

Ointment

| | |
|--------------------------------------|-----------------|
| Lard, eight hundred grammes..... | 800 Gm. |
| Yellow Wax, two hundred grammes..... | 200 Gm. |
| To make one thousand grammes..... | <u>1000 Gm.</u> |

Melt the Yellow Wax, and gradually add to it the Lard; then stir the mixture constantly until it is cool.

1900

UNGUENTUM

Ointment

White Wax, two hundred grammes.....200 Gm.
Benzoinated Lard, eight hundred grammes.....800 Gm.
To make one thousand grammes....1000 Gm.

Melt the White Wax, add the Benzoinated Lard, and heat gently until liquefied; then stir the mixture until it congeals.

1910

UNGUENTUM

Ointment

Ung. - Simple Ointment

White Wax, two hundred grammes.....200 Gm.
Benzoinated Lard, eight hundred grammes.... 800 Gm.
To make one thousand grammes.. 1000 Gm.

Melt the White Wax, add the Benzoinated Lard, and heat gently until liquefied; then stir the mixture until it congeals.

For use in southern latitudes and during the warm season in other localities, 50 Gm. of the Benzoinated Lard (or more if necessary) may be replaced by an equal quantity of white wax.

1920

UNGUENTUM

Ointment

Ung. - Simple Ointment

Yellow Wax.....200 Gm.
Benzoinated Lard.....800 Gm.
To make about.....1000 Gm.

Melt the yellow wax, add the benzoinated lard, heat gently until liquefied, and stir the mixture until it congeals.

Note - For use in southern latitudes and during the warm season in other localities, 50 Gm of the benzoinated lard (or more if necessary) may be replaced by an equal quantity of yellow wax.

1930

UNGUENTUM

Ointment

Ung. - Simple Ointment

| | |
|-----------------------|---------|
| Wool Fat..... | 5 Gm. |
| White Wax..... | 5 Gm. |
| White Petrolatum..... | 90 Gm. |
| To make..... | 100 Gm. |

Melt the white wax in a suitable dish on a water bath, add the other ingredients, warm until they are liquefied, then discontinue the heating, and stir the mixture until it congeals.

1900

UNGUENTUM ACIDI BORICI

Ointment of Boric Acid

| | |
|---|---------------------------------|
| Boric Acid, in fine powder, one hundred grammes.. | 100 Gm. |
| Paraffin, | one hundred grammes.. 100 Gm. |
| White Petrolatum, | eight hundred grammes.. 800 Gm. |
| To make one thousand..... grammes.. | <u>1000</u> Gm. |

Melt the Paraffin, add the White Petrolatum, and heat gently for ten minutes. Then gradually add the hot liquid to the Boric Acid, contained in a warm mortar, triturating thoroughly, and stir the mixture until it congeals.

1910

UNGUENTUM ACIDI BORICI

Ointment of Boric Acid

Ung. Acid. Bor.

| | |
|---|-----------------------------|
| Boric Acid, in fine powder, one hundred grammes.. | 100 Gm. |
| Paraffin, | fifty..... grammes.. 50 Gm. |
| White Petrolatum, eight hundred and fifty grammes | 850 Gm. |
| To make about one thousand grammes | <u>1000</u> Gm. |

Melt the paraffin, add the white petrolatum and heat gently until liquefied. Then gradually add the hot liquid to the boric acid, contained in a warm mortar, triturating thoroughly, and stir the mixture until it congeals.

1920

UNGUENTUM ACIDI BORICI

Ointment of Boric Acid

Ung. Acid Bor.

| | |
|---------------------------------|-----------------|
| Boric Acid, in fine powder..... | 100 Gm. |
| Yellow Wax..... | 50 Gm. |
| Petrolatum..... | 850 Gm. |
| To make about..... | <u>1000</u> Gm. |

Melt the yellow wax, add the petrolatum, and heat gently until liquefied. Gradually add the warm liquid to the boric acid, contained in a warm mortar, triturating thorough-

ly, and stir the mixture until it congeals.

1930

UNGUENTUM ACIDI BORICI

Boric Acid Ointment

Ung. Acid. Bor. - Boracic Acid Ointment

Ointment of Boric Acid contains not less than 9 per cent and not more than 11 per cent of H_3BO_3 .

| | |
|-----------------------------------|---------|
| Boric Acid, finely powdered | 10 Gm. |
| Wool Fat..... | 5 Gm. |
| White Wax..... | 5 Gm. |
| White Petrolatum..... | 80 Gm. |
| To make..... | 100 Gm. |

Melt the white wax in a suitable dish on a water bath, add the wool fat and the white petrolatum, and heat the mixture gently until it is liquefied. Gradually add the warm liquid to the boric acid contained in a warm mortar, triturating thoroughly, and stir the mixture until it congeals.

Assay- Place about 5 Gm. of Boric Acid Ointment in a tared Erlenmeyer flask of suitable capacity and weigh accurately. Add about 30 cc. of hot distilled water and heat for fifteen minutes on a water bath with frequent agitation. Filter while hot through a wetted filter into a 100-cc. volumetric flask. Wash the flask several times with hot distilled water transferring the washings to the filter. When cool, dilute the filtrate to exactly 100 cc. To exactly 20 cc. of the filtrate, representing one-fifth of the weight of Boric Acid Ointment taken, add 20 cc. of glycerin, previously neutralized to phenolphthalein T.S. Titrate with tenth-normal sodium hydroxide, using Phenolphthalein T.S. as the indicator. Discharge the pink color by the addition of 20 cc. of glycerin, neutral to phenolphthalein T.S. and again titrate until the pink color reappears. Each cc. of tenth-normal sodium hydroxide is equivalent to 0.006184 Gm. of H_3BO_3 .

UNGUENTUM ACIDI GALLICI

Ointment of Gallic Acid

| | |
|-------------------------------------|------------|
| Gallic Acid, ten parts..... | 10 |
| Benzoinated Lard, ninety parts..... | 90 |
| To make one hundred parts..... | <u>100</u> |

Rub the Gallic Acid with the Benzoinated Lard,
gradually added, until they are thoroughly mixed,
avoiding the use of an iron spatula.

N.Y.
1830

UNGUENTUM ACIDI NITRICI

Ointment of Nitric Acid

Take of Lard, one pound,
Nitric acid, six fluidrachms;

Mix the acid gradually with the melted lard, and
diligently beat the mixture as it cools.

UNGUENTUM ACIDI NITROSI

Ointment of Nitrous Acid

Take of Lard, one pound.

Nitrous acid, six fluidrachms.

Mix the acid gradually with the melted lard, and
diligently beat the mixture as it cools.

1860

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

Take of Tannic Acid thirty grains;
Water half a fluidrachm;
Lard a troyounce.

Rub the Acid first with the Water, and then with Lard, until they are thoroughly mixed, avoiding the use of an iron spatula.

1870

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

Take of Tannic Acid thirty grains;
Lard a troyounce.

Rub the Tannic Acid with the Lard, gradually added, until they are thoroughly mixed, avoiding the use of an iron spatula.

1880

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

| | |
|--------------------------------------|------------|
| Tannic Acid, ten parts | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Tannic Acid with the Benzoinated Lard, gradually added, until they are thoroughly mixed, avoiding the use of an iron spatula.

1890

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

| | |
|---|----------------|
| Tannic Acid, in fine powder, twenty grammes | 20 Gm. |
| Benzoinated Lard, eighty grammes | 80 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Rub the Tannic Acid with the Benzoinated Lard, gradually added, until they are thoroughly mixed, avoiding the use of iron utensils.

1900

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

| | |
|---------------------------------------|----------------|
| Tannic Acid, twenty grammes | 20 Gm. |
| Glycerin, twenty grammes | 20 Gm. |
| Ointment, sixty grammes | 60 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Dissolve the Tannic Acid in the Glycerin, with the aid of a gentle heat, and mix the solution thoroughly with the Ointment in a mortar, avoiding the use of iron utensils.

1910

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

Ung. Acid Tann.

| | |
|---------------------------------------|----------------|
| Tannic Acid, twenty grammes | 20 Gm. |
| Glycerin, twenty grammes | 20 Gm. |
| Ointment, sixty grammes | 60 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Dissolve the tannic acid in the glycerin with the aid of a gentle heat, and mix the solution thoroughly with the ointment, avoiding the use of iron utensils.

1920

UNGUENTUM ACIDI TANNICI

Ointment of Tannic Acid

Ung. Acid. Tan.

| | |
|---------------------|----------------|
| Tannic Acid | 20 Gm. |
| Glycerin | 20 Gm. |
| Ointment | 60 Gm. |
| To make about | <u>100</u> Gm. |

Dissolve the tannic acid in the glycerin with the aid of a gentle heat, and mix the solution thoroughly with the ointment, avoiding the use of iron utensils.

1930

UNGUENTUM ACIDI TANNICI

Tannic Acid Ointment

Ung. Acid. Tan.

Caution- During its manufacture and storage this Ointment must not come in contact with iron utensils or containers.

| | |
|-------------------|----------------|
| Tannic Acid | 20 Gm. |
| Glycerin | 20 Gm. |
| Wool Fat | 3 Gm. |
| Yellow Wax | 3 Gm. |
| Petrolatum | 54 Gm. |
| To make | <u>100</u> Gm. |

Dissolve the tannic acid in the glycerin with the aid of gentle heat. Melt the yellow wax on a water bath, add the wool fat and the petrolatum and gradually incorporate this warm liquid with the tannic acid solution.

1840

UNGUENTUM ANTIMONII

Antimonial Ointment

Take of Tartrate of Antimony and Potassa, in very fine powder, two drachms;
Lard an ounce.

Mix them.

1850

UNGUENTUM ANTIMONII

Antimonial Ointment

Take of Tartrate of Antimony and Potassa, in very fine powder, two drachms;
Lard an ounce.

Rub the Tartrate of Antimony and Potassa with a little of the Lard, then add the remainder, and mix them.

1860

UNGUENTUM ANTIMONII

Ointment of Antimony

Take of Tartrate of Antimony and Potassa, in very fine powder, one hundred and twenty grains;
Lard a troyounce.

Rub the powder with a little of the Lard; then add the remainder, and thoroughly mix them.

1870

UNGUENTUM ANTIMONII

Antimonial Ointment

Take of Tartrate of Antimony and Potassium, in very fine powder, one hundred grains;
Lard four hundred grains.

Rub the powder with a little of the Lard; then add the remainder, and thoroughly mix them.

1820

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Oil of almonds, two fluidounces,
Spermaceti, half an ounce.
White wax, one drachm.

Melt the whole in a water bath, stirring it frequently;
when melted, add of

Rose water, two fluidounces;

And stir the mixture continually till it is cold.

Phil.
1830

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Oil of almonds, two fluidounces,
Spermaceti, half an ounce.
White wax, one drachm.

Melt the whole in a water bath, stirring it frequently;
when melted, add of

Rose water, two fluidounces;

And stir the mixture continually till it is cold.

1840

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Rose Water,
Oil of Almonds, each, two fluidounces;
Spermaceti half an ounce;
White Wax a drachm.

Melt together, by means of a water bath, the Oil, Spermaceti, and Wax; then add the Rose Water, and stir the mixture constantly until it is cold.

1850

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Rose Water, one fluidounce,
Oil of Almonds, two fluidounces;
Spermaceti half an ounce;
White Wax a drachm.

Melt together, by means of a water bath, the Oil, Spermaceti, and Wax; then add the Rose Water, and stir the mixture constantly until it is cold.

1860

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Oil of Sweet Almond three troyounces and a half;
Spermaceti a troyounce;
White Wax one hundred and twenty grains;
Rose Water two fluidounces.

Melt together, by means of a water bath, the Oil, Spermaceti, and Wax; then gradually add the Rose Water, and stir the mixture constantly while cooling.

1870

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Take of Expressed Oil of Almond three troyounces and a half;
Spermaceti a troyounce;
White Wax one hundred and twenty grains;
Rose Water two fluidounces.

Melt together, by means of a water bath, the Oil, Spermaceti, and Wax; then gradually add the Rose Water, and stir the mixture constantly while cooling.

1880

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

(Cold Cream).

| | |
|--|------------|
| Expressed Oil of Almond, fifty parts | 50 |
| Spermaceti, ten parts | 10 |
| White Wax, ten parts | 10 |
| Rose Water, thirty parts | 30 |
| To make one hundred parts | <u>100</u> |

Melt together, at a moderate heat, the Oil, Spermaceti, and Wax; then gradually add the Rose Water, stirring the mixture briskly and constantly until it is cool, and continue the stirring until it has become uniformly soft and creamy.

1890

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

(Cold Cream).

| | |
|--|--------------|
| Spermaceti, one hundred and twenty-five grammes. | 125 Gm. |
| White Wax, one hundred and twenty grammes | 120 Gm. |
| Expressed Oil of Almond, six hundred cub. cent.. | 600 cc. |
| Stronger Rose Water, one hundred and ninety cc.. | 190 cc. |
| Sodium Borate, in fine powder, five grammes | <u>5</u> Gm. |

Reduce the Spermaceti, the White Wax to fine shavings, and melt them to a moderate heat. Then add the expressed Oil of Almond, pour the mixture into a warmed, shallow Wedgwood mortar, carefully add, without stirring, the whole of the Stronger Rose Water in which the Sodium Borate had previously been dissolved; and stir rapidly and continuously, until the mixture becomes uniformly soft and creamy.

1900

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

| | |
|--|-----------------|
| Spermaceti, one hundred and twenty-five gm..... | 125 Gm. |
| White Wax, one hundred and twenty grammes | 120 Gm. |
| Expressed Oil of Almond, five hundred and six. gm. | 560 Gm. |
| Sodium Borate, in fine powder, five gm. | 5 Gm. |
| Stronger Rose Water, one hundred and ninety gm. | 190 Gm. |
| To make about one thousand gm..... | <u>1000</u> Gm. |

Reduce the Spermaceti and the White Wax to fine shavings, and melt them at a moderate heat, add the Expressed Oil of Almond and stir, continuing the heat until the mixture is uniform; then gradually add the Stronger Rose Water, previously warmed, and in which the Sodium Borate has been dissolved, stirring the mixture rapidly and continuously until it congeals and becomes of uniform consistence.

When this Ointment is to be used as a vehicle for metallic salts, the Sodium Borate should be omitted.

1910

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Ung. Aq. Ros.

| | |
|--|-----------------|
| Spermaceti, one hundred and twenty-five grammes | 125 Gm. |
| White Wax, one hundred and twenty grammes | 120 Gm. |
| Expressed Oil of Almond, five hundred and six. gm. | 560 Gm. |
| Sodium Borate, in fine powder, five grammes | 5 Gm. |
| Stronger Rose Water, one hundred and ninety gm. | 190 Gm. |
| To make about one thousand gm..... | <u>1000</u> Gm. |

Reduce the spermaceti and the white wax to fine pieces and melt them on a water bath, add the expressed oil of almond and stir, continuing the heat until the mixture is uniform. Dissolve the sodium borate in the stronger rose water warmed on a water bath to the temperature of the melted wax and fat, and add the warm solution gradually to the melted mix-

ture, stirring it rapidly and continuously until it congeals and becomes of uniform consistence.

Ointment of Rose Water must be free from rancidity. If the Ointment has been chilled, warm it slightly before attempting to incorporate other ingredients with it.

1920

UNGUENTUM AQUAE ROSAE

Ointment of Rose Water

Ung. Aq. Ros.

| | |
|-------------------------------------|-----------------|
| Spermaceti | 125 Gm. |
| White Wax | 120 Gm. |
| Expressed Oil of Almond | 560 Gm. |
| Sodium Borate, in fine powder | 5 Gm. |
| Stronger Rose Water | 190 Gm. |
| To make about | <u>1000</u> Gm. |

Reduce the spermaceti and the white wax to fine pieces and melt them on a water bath, add the expressed oil of almond, and stir, continuing the heat until the mixture is uniformly melted. Dissolve the sodium borate in the stronger rose water warmed on a water bath to the temperature of the melted wax and fat, and add the warm solution gradually to the melted mixture, stirring it rapidly and continuously until it congeals and becomes of uniform consistence.

Ointment of Rose Water, must be free from rancidity. If the Ointment has been chilled, warm it slightly before attempting to incorporate other ingredients with it.

Preserve in pure tin, collapsible tubes.

Rose Water Ointment

Ung. Aq. Ros.

| | | |
|----------------------------|-------------|-----|
| Spermaceti | 125 | Gm. |
| White Wax | 120 | Gm. |
| Expressed Almond Oil | 560 | Gm. |
| Sodium Borate | 5 | Gm. |
| Rose Water | 50 | cc. |
| Distilled Water | 140 | cc. |
| Oil of Rose | 0.2 | cc. |
| To make about | <u>1000</u> | Gm. |

Reduce the spermaceti and white wax to small pieces and melt them on a water bath; add the expressed almond oil, and continue the heat until the temperature of the mixture is raised to 70° C. Dissolve the sodium borate in the distilled water and rose water, warmed to the temperature of the melted wax and fat, and gradually add the warm solution to the melted mixture, stirring rapidly and continuously until it has cooled to about 45° C. Then incorporate the oil of rose.

Rose Water Ointment must be free from rancidity. If the Ointment has been chilled, warm it slightly before attempting to incorporate other ingredients with it. Storage-Preserve Rose Water Ointment in pure tin, collapsible tubes.

1850

UNGUENTUM BELLADONNAE

Ointment of Belladonna

Take of Extract of Belladonna a drachm;
Lard an ounce.

Mix them.

1860

UNGUENTUM BELLADONNAE

Ointment of Belladonna

Take of Extract of Belladonna sixty grains;
Water half a fluidrachm;
Lard a troyounce.

Rub the Extract first with the Water until rendered uniformly soft, then with the Lard, and thoroughly mix them.

1870

UNGUENTUM BELLADONNAE

Ointment of Belladonna

Take of Extract of Belladonna sixty grains;
Water half a fluidrachm;
Lard four hundred and twenty grains.

Rub the extract with the Water until uniformly soft, then gradually add the Lard, and thoroughly mix them.

1880

UNGUENTUM BELLADONNAE

Belladonna Ointment

| | |
|--|------------|
| Alcoholic Extract of Belladonna, ten parts | 10 |
| Diluted Alcohol, six parts | 6 |
| Benzoinated Lard, eighty-four parts | 84 |
| To make one hundred parts | <u>100</u> |

Rub the Extract with the Diluted Alcohol, until uniformly soft, then gradually add the Lard, and mix thoroughly.

1890

UNGUENTUM BELLADONNAE

Belladonna Ointment

| | |
|---|----------------|
| Alcoholic Extract of Belladonna Leaves, ten grammes | 10 Gm. |
| Diluted Alcohol, five cubic centimeters | 5 cc. |
| Benzoinated Lard, eighty-five grammes | 85 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Rub the Extract with the Diluted Alcohol, until uniformly soft, then gradually add the Lard, and mix thoroughly.

1900

UNGUENTUM BELLADONNAE

Belladonna Ointment

| | |
|---|----------------|
| Extract of Belladonna Leaves, ten grammes | 10 Gm. |
| Diluted Alcohol | 5 Cc. |
| Hydrous Wool-Fat, twenty grammes | 20 Gm. |
| Benzoinated Lard, sixty-five grammes | 65 Gm. |
| To make about one hundred grammes... | <u>100</u> Gm. |

Triturate the Extract with the Diluted Alcohol until a smooth mixture is obtained; with this incorporate the Hydrous Wool-Fat; then add the Benzoinated Lard and mix thoroughly.

1910

UNGUENTUM BELLADONNAE

Belladonna Ointment

Ung. Bellad.

| | |
|--|----------------|
| Pilular Extract of Belladonna Leaves, ten grammes. | 10 Gm. |
| Diluted Alcohol, five milliliters | 5 mils |
| Hydrous Wool Fat, thirty grammes | 30 Gm. |
| Benzoinated Lard, fifty-five grammes | 55 Gm. |
| To make about one hundred grammes.. | <u>100</u> Gm. |

Triturate the extract with the diluted alcohol until a smooth mixture is obtained; with this incorporate the hydrous wool fat; then add the benzoinated lard and mix thoroughly.

1920

UNGUENTUM BELLADONNAE

Belladonna Ointment

Ung. Bellad.

| | |
|-------------------------------------|----------------|
| Pilular Extract of Belladonna | 10 Gm. |
| Diluted Alcohol | 5 cc. |
| Wool Fat | 30 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 50 Gm. |
| To make about | <u>100</u> Gm. |

Triturate the extract with the diluted alcohol until a smooth mixture is obtained, add the wax, wool fat, and petrolatum, which have been melted together on a water bath, and mix thoroughly.

1930

UNGUENTUM BELLADONNAE

Belladonna Ointment

Ung. Bellad.-Unguentum Belladonnae P. I.

Belladonna Ointment yields not less than 0.118 per cent and not more than 0.132 per cent of the alkaloids of belladonna leaf.

| | |
|-------------------------------------|----------------|
| Pilular Extract of Belladonna | 10 Gm. |
| Diluted Alcohol | 5 cc. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 75 Gm. |
| To make about | <u>100</u> Gm. |

Triturate the extract with the diluted alcohol until a smooth mixture is obtained, add the yellow wax, wool fat, and petrolatum, which have been melted together in a suitable dish on a water bath, and mix thoroughly.

Assay- Accurately weigh about 25 Gm. of the well-mixed Ointment and transfer it completely to a 250-cc. separator having a pledget of purified cotton packed loosely in the stem. Add 100 cc. of ether-chloroform mixture (ether, four parts and chloroform, one part) and shake the mixture vigorously until all of the fats have been dissolved. Extract the alkaloids from the mixture with five successive, 20-cc. portions of 2 per cent sulfuric acid. Draw off each portion of the clear acid solution into a small separator containing 10 cc. of ether. Wash each acid-extraction successively through this same 10cc. of ether and draw off the acid solutions into another 250-cc. separator. Render the combined acidified solutions alkaline with ammonia T.S. and extract the alkaloids completely by shaking out with successive, 25-cc. portions of chloroform, testing for complete extraction as directed under Proximate Assay, page 462. Allow each portion to settle, and then filter through purified cotton, wetted with chloroform, into a 250-cc. breaker, finally washing the stem of the separator and the filter with a little chloroform. Evaporate the chloroform from the combined solutions by warming at a moderate heat on a water bath until it is reduced to a volume of about 10 cc. Add a measured excess (about 10 cc.) of fiftieth-normal sulfuric acid, stir the mixture, and continue the evaporation until all of the chloroform has been expelled. Add 20 cc. of recently boiled and cooled distilled-water and 1 drop of methyl red T.S. and titrate the excess of acid with fiftieth-normal sodium hydroxide. Each cc. of fiftieth-normal sulfuric acid is equivalent to 0.00578 Gm. of the alkaloids of belladonna leaves.

1860

UNGUENTUM BENZOINI

Ointment of Benzoin

Take of Benzoin, in moderately coarse powder, a troyounce;
Lard sixteen troyounces.

Heat them together, by means of a water-bath, for two hours,
with occasional stirring; then strain without pressure,
and stir the product constantly while cooling.

1870

UNGUENTUM BENZOINI

Ointment of Benzoin

Take of Tincture of Benzoin two fluidounces;
Lard sixteen troyounces.

Melt the Lard by means of a water-bath, add the Tincture
of Benzoin, constantly stirring, and, when the alcohol
has evaporated, remove the ointment from the water-bath,
and stir while cooling.

1820

UNGUENTUM CANTHARIDUM

Ointment of Cantharides.

Take of Cantharides in powder, two ounces.
Distilled water, eight fluidounces.
Resin Cerate, eight ounces.

Boil the water with the cantharides to half its quantity,
and strain. Mix the cerate into the strained liquor, and
evaporate to a proper consistence.

Phil.

1830

UNGUENTUM CANTHARIDIS

Ointment of Spanish Flies

Take of Cantharides in powder, two ounces.
Distilled water, eight fluidounces.
Resin Cerate, eight ounces.

Boil the water with the cantharides to half its quantity,
and strain. Mix the cerate into the strained liquor, and
evaporate to a proper consistence.

N.Y.

1830

UNGUENTUM CANTHARIDIS

Ointment of Spanish Flies

Take of Cantharides in powder, two ounces.
Distilled water, eight fluidounces.
Resin Cerate, eight ounces.

Boil the water with the cantharides to half its quantity,
and strain. Mix the cerate into the strained liquor, and
evaporate to a proper consistence.

1840

UNGUENTUM CANTHARIDIS

Ointment of Spanish Flies

Take of Cantharides in powder, two ounces.
Distilled water, eight fluidounces.
Resin Cerate, eight ounces.

Boil the water with the cantharides to half its quantity,

and strain. Mix the cerate into the strained liquor, and evaporate to a proper consistence.

1850

UNGUENTUM CANTHARIDIS

Ointment of Spanish Flies

Take of Cantharides in powder, two ounces.
Distilled water, eight fluidounces.
Resin Cerate, eight ounces.

Boil the water with the cantharides to half its quantity, and strain. Mix the cerate into the strained liquor, and evaporate to a proper consistence.

1870

UNGUENTUM CANTHARIDIS

Ointment of Cantharides

Take of Cantharides Cerate one hundred and twenty grains;
Resin Cerate three hundred and sixty grains.

Mix them thoroughly.

1880

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

| | |
|--------------------------------------|------------|
| Chrysarobin, ten parts | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Chrysarobin with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1890

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

| | |
|---|----------------|
| Chrysarobin, five grammes | 5 Gm. |
| Benzoinated Lard, ninety-five grammes ... | 95 Gm. |
| To make one hundred grammes . | <u>100</u> Gm. |

Rub the Chrysarobin with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1900

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

| | |
|---|----------------|
| Chrysarobin, six grammes | 6 Gm. |
| Benzoinated Lard, ninety-four grammes ... | 94 Gm. |
| To make about one hundred grammes | <u>100</u> Gm. |

Triturate the Chrysarobin with the Benzoinated Lard, previously melted, and heat the mixture on a water-bath with occasional stirring for twenty minutes; then strain and stir until it congeals.

1910

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

Ung. Chrysarobin

| | |
|--|----------------|
| Chrysarobin, six grammes | 6 Gm. |
| Benzoinated Lard, ninety-four grammes .. | 94 Gm. |
| To make one hundred grammes. | <u>100</u> Gm. |

Triturate the chrysarobin with the benzoinated lard previously melted, and heat the mixture on a water bath for twenty minutes, with occasional stirring; then strain and stir until it congeals.

1920

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

Ung. Chrysarob.

| | |
|------------------------|----------------|
| Chrysarobin | 6 Gm. |
| Hydrous Wool Fat | 94 Gm. |
| To make about | <u>100</u> Gm. |

Triturate the chrysarobin with the hydrous wool fat, previously melted, heat the mixture on a water bath for twenty minutes, with occasional stirring, strain, and stir until the Ointment congeals.

1930

UNGUENTUM CHRYSAROBINI

Chrysarobin Ointment

Ung. Chrysarob.

| | |
|---|----------------|
| Chrysarobin | 6 Gm. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Chloroform | 4 Gm. |
| Liquid Petrolatum | 6 Gm. |
| Petrolatum, a sufficient quantity, | <u>100</u> Gm. |
| To make | |

Triturate the chrysarobin with the liquid petrolatum and the chloroform. Melt the wool fat, yellow wax, and 50 Gm. of the petrolatum in a suitable dish on a water bath, and add this warm liquid to the chrysarobin mixture, triturating thoroughly. Finally incorporate sufficient petrolatum to make the finished product weigh 100 Gm.

1840

UNGUENTUM CREASOTI

Ointment of Creasote

Take of Creasote half a fluidrach;
Lard an ounce.

Add the creasote to the Lard previously melted with a moderate heat, and stir them constantly till they are cold.

1850

UNGUENTUM CREASOTI

Ointment of Creasote

Take of Creasote half a fluidrach;
Lard an ounce.

Mix them.

1860

UNGUENTUM CREASOTI

Ointment of Creasote

Take of Creasote half a fluidrach;
Lard a troyounce.

Mix them.

1870

UNGUENTUM CREASOTI

Ointment of Creasote

Take of Creasote half a fluidrach;
Lard a troyounce.

Mix them.

Phil.
1830

UNGUENTUM CUPRI ACETATIS

Ointment of Acetate of Copper.

Take of Prepared Acetate of Copper, in powder, an ounce;
Simple Ointment fifteen ounces.

Add the Acetate of Copper to the Ointment previously melted over a gentle fire, and stir them constantly until they are cold.

1820

UNGUENTUM CUPRI SUBACETATIS

Ointment of the Subacetate of Copper

Take of simple ointment, fifteen parts.

Prepared subacetate of copper in powder, one part.

Melt the ointment, then add the copper, and mix them together.

N.Y.

1830

UNGUENTUM CUPRI SUBACETATIS

Ointment of the Subacetate of Copper

Take of simple ointment, fifteen parts.

Prepared subacetate of copper in powder, one part.

Melt the ointment, then add the copper, and mix them together.

1840

UNGUENTUM CUPRI SUBACETATIS

Ointment of Subacetate of Copper.

Take of Subacetate of Copper, in fine powder, a drachm;
Simple Ointment fifteen drachms.

Add the subacetate of Copper to the Ointment previously melted with a moderate heat, and stir them constantly till they are cold.

1850

UNGUENTUM CUPRI SUBACETATIS

Ointment of Subacetate of Copper.

Take of Subacetate of Copper, in fine powder, a drachm;
Simple Ointment fifteen drachms.

Add the subacetate of Copper to the Ointment previously melted with a moderate heat, and stir them constantly till they are cold.

1910

UNGUENTUM GALLAE

Nutgall Ointment

Ung. Gall.

| | |
|--|----------------|
| Nutgall, in very fine powder, twenty grammes.. | 20 Gm. |
| Ointment, eighty grammes | 80 Gm. |
| To make one hundred grammes.... | <u>100</u> Gm. |

Rub the nutgall with the ointment, gradually added, until they are thoroughly mixed. Avoid the use of metallic utensils.

1920

UNGUENTUM GALLAE

Nutgall Ointment

Ung. Gall.

| | |
|------------------------------------|----------------|
| Nutgall, in very fine powder | 20 Gm. |
| Ointment | 80 Gm. |
| To make about | <u>100</u> Gm. |

Rub the nutgall with the ointment, gradually added, until they are thoroughly mixed. Avoid the use of iron utensils.

1930

UNGUENTUM GALLAE

Nutgall Ointment

Ung. Gall.

Caution- During its manufacture and storage this Ointment must not come in contact with iron utensils or containers.

| | |
|-------------------------------------|----------------|
| Nutgall, in very fine, powder | 20 Gm. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 70 Gm. |
| To make | <u>100</u> Gm. |

Melt the yellow wax in a suitable dish on a water bath, then add the petrolatum, and continue heating until the

mixture is liquéfied. Stir the mixture until it congeals
and then thoroughly incorporate the nutgall.

Take of Nutgall, in very fine powder, sixty grains;
Lard four hundred and twenty grains.

Rub the Nutgall with the Lard, gradually added, until they
are thoroughly mixed.

1880 UNGUENTUM GALLAE

Nutgall Ointment

| | |
|--|------------|
| Nutgall, in No. 80 powder, ten parts | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Nutgall with the Benzoinated Lard, gradually added,
until they are thoroughly mixed.

1890 UNGUENTUM GALLAE

Nutgall Ointment

| | |
|---|----------------|
| Nutgall, in No. 80 powder, twenty grammes.... | 20 Gm. |
| Benzoinated Lard, eighty grammes | 80 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Rub the Nutgall with the Benzoinated Lard, gradually added,
until they are thoroughly mixed.

1900 UNGUENTUM GALLAE

Nutgall Ointment

| | |
|---|----------------|
| Nutgall, in very fine powder, twenty grammes. | 20 Gm. |
| Ointment, eighty grammes | 80 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Rub the Nutgall with the Ointment, gradually added, until
they are thoroughly mixed. Avoid the use of metallic
utensils.

1820 UNGUENTUM GALLARUM

Ointment of Galls.

Take of Galls in powder, one drachm.
Lard, seven drachms.

Mix the powdered galls with the lard previously melted.

Phil.

1830 UNGUENTUM GALLAE

Ointment of Galls.

Take of Galls, in powder, an ounce,
Lard seven ounces.

Mix them.

Phil.

1840 UNGUENTUM GALLAE

Ointment of Galls.

Take of Galls, in powder, an ounce,
Lard seven ounces.

Mix them.

Phil.

1850 UNGUENTUM GALLAE

Ointment of Galls.

Take of Galls, in powder, an ounce,
Lard seven ounces.

Mix them.

1860 UNGUENTUM GALLAE

Ointment of Nutgall

Take of Nutgall, in very fine powder, a troyounce;
Lard seven troyounces.

Mix them.

1870 UNGUENTUM GALLAE

Ointment of Nutgall

N.Y.
1830

UNGUENTUM GALLARUM CAMPHORATUM

Camphorated Ointment of Galls.

Take of Powdered galls, two drachms,
Camphor in powder, half a drachm,
Lard, one ounce;

Melt the lard, and mix with it the galls, and when nearly
cool add the camphor.

Phil.
1830

UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Take of Ammoniated Mercury an ounce;
Simple Ointment eight ounces.

Add the Ammoniated Mercury to the Ointment previously
softened over a gentle fire, and mix them.

Phil.
1840

UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Take of Ammoniated Mercury a drachm;
Simple Ointment an ounce and a half.

Add the Ammoniated Mercury to the Ointment previously
softened over a gentle fire, and mix them.

1850

UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Take of Ammoniated Mercury a drachm;
Simple Ointment an ounce and a half.

Mix them.

1860

UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Take of Ammoniated Mercury, in very fine powder,
forty grains;
Ointment of Lard a troyounce.

Mix them.

1870

UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Take of Ammoniated Mercury, in very fine powder, forty
grains;
Ointment a troyounce.

Ointment of Ammoniated Mercury

| | |
|--|------------|
| Ammoniated Mercury, in very fine powder, ten parts.. | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Ammoniated Mercury with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

wool fat, and stir the mixture until it congeals.

1920 UNGUENTUM HYDRARGYRI AMMONIATI

Ointment of Ammoniated Mercury

Ung. Hydrarg. Ammon.-White Precipitate Oint.

| | |
|---|----------------|
| Ammoniated Mercury, in very fine powder | 10 Gm. |
| Liquid Petrolatum | 10 Gm. |
| Hydrous Wool Fat | 40 Gm. |
| White Petrolatum | 40 Gm. |
| To make about | <u>100</u> Gm. |

Triturate the ammoniated mercury with the liquid petrolatum until the mixture is smooth, add the white petrolatum, previously melted, mix thoroughly with the hydrous wool fat, and stir the mixture until it congeals

1930 UNGUENTUM HYDRARGYRI AMMONIATI

Ammoniated Mercury Ointment

Ung. Hydrarg. Ammon.-White Precipitate Oint.

Ammoniated Mercury Ointment contains an amount of Ammoniated Mercury corresponding to not less than 7.1 per cent and not more than 8.7 per cent of Hg.

| | |
|---|----------------|
| Ammoniated Mercury, in very fine powder | 10 Gm. |
| Wool Fat | 5 Gm. |
| White Wax | 5 Gm. |
| White Petrolatum | 80 Gm. |
| To make | <u>100</u> Gm. |

Melt the white wax in a suitable dish on a water bath, add the wool fat and the white petrolatum, and heat the mixture gently until it is liquefied. Gradually add the warm liquid to the ammoniated mercury contained in a warm mortar, triturating thoroughly, and stir the mixture until it congeals.

Assay- Place in a separator about 1.5 Gm. of Ammoniated Mercury Ointment, accurately weighed. Warm it slightly to soften the ointment and while rotating, add 50 cc. of ether and then shake the mixture until the ointment base is dissolved. Add 10 cc. of a mixture of equal volumes of hydrochloric acid and distilled water and shake it vigorously until all of the ammoniated mercury has dissolved. Filter the aqueous layer that separate into a 250-cc. breaker and wash the remaining ethereal solution with several portions of 10 cc. each of distilled water until the last washing produces no turbidity with silver nitrate T.S.

Dilute the hydrochloric acid solution and the combined washings to about 150 cc. and add 5 cc. of hydrochloric acid. Saturate the solution with hydrogen sulfide gas and collect the precipitate in a tared Gooch crucible. Wash the precipitate successively with distilled water, with two 10-cc. portions of alcohol, two 10-cc. portions of carbon tetrachloride, using no suction, and finally wash with 10 cc. of ether. Dry the crucible and contents to constant weight at 100° C. The weight of mercuric sulfide obtained, multiplied by 0.862 indicates the quantity of mercury represented by the ammoniated mercury in the Ointment taken for the assay.

1820

UNGUENTUM HYDRARGYRI

Mercurial Ointment

Take of Purified mercury.
Lard, each three parts by weight.
Suet, one part.

Rub the quicksilver carefully in a mortar with a small portion of the lard, until the globules disappear; then add the remainder of the lard and the suet, rubbing them well together.

Employing a small portion of old ointment, or rancid lard, or of turpentine, greatly expedites the process.

Phil.
1830

UNGUENTUM HYDRARGYRI

Mercurial Ointment

Take of Purified Mercury two pounds;
Lard twenty-three ounces;
Suet an ounce.

Rub the Mercury with the Suet and a small portion of the Lard, till the globules disappear; then add the remainder of the Lard, and mix.

N.Y.
1830

UNGUENTUM HYDRARGYRI

Strong Mercurial Ointment

Take of Purified mercury.
Lard, each three parts by weight.
Suet, one part.

Rub the quicksilver carefully in a mortar with a small portion of the lard, until the globules disappear; then add the remainder of the lard and the suet, rubbing them well together.

Employing a small portion of old ointment, or rancid lard,

or of turpentine, greatly expedites the process.

1840

UNGUENTUM HYDRARGYRI

Mercurial Ointment

Take of Purified Mercury two pounds;
Lard, twenty-three ounces;
Suet an ounce.

Rub the Mercury with the Suet and a small portion of the Lard, till the globules disappear; then add the remainder of the Lard, and mix.

1850

UNGUENTUM HYDRARGYRI

Mercurial Ointment

Take of Purified Mercury two pounds;
Lard, twenty-three ounces;
Suet an ounce.

Rub the Mercury with the Suet and a small portion of the Lard, till the globules disappear; then add the remainder of the Lard, and mix.

1860

UNGUENTUM HYDRARGYRI

Ointment of Mercury

Take of Mercury twenty-four troyounces;
Lard,
Suet, each, twelve troyounces.

Rub the Mercury with a troyounce of the Suet and a small portion of the Lard until the globules cease to be visible; then add the remainder of the Lard, and of the Suet softened with a gentle heat, and thoroughly mix them.

1870

UNGUENTUM HYDRARGYRI

Ointment of Mercury

Take of Mercury twenty-four troyounces;
Lard,
Suet, each, twelve troyounces.

Rub the Mercury with a troyounce of the Suet and a small portion of the Lard until the globules cease to be visible; then add the remainder of the Lard, and of the Suet softened with a gentle heat, and thoroughly mix them.

1880

UNGUENTUM HYDRARGYRI

Mercurial Ointment

(Blue Ointment.)

| | |
|---|-------------|
| Mercury, four hundred and fifty parts | 450 |
| Lard, two hundred and twenty-five parts | 225 |
| Suet, two hundred and twenty-five parts | 225 |
| Compound Tincture of Benzoin, forty parts | 40 |
| Mercurial Ointment, one hundred parts | 100 |
| To make one thousand parts | <u>1000</u> |

Mix the Mercury with the Tincture of Benzoin in a mortar, add the Mercurial Ointment (which should contain 50 per cent of mercury) and triturate the mixture until globules of Mercury cease to be visible; then add the Lard and Suet, previously melted together and partially cooled, and continue the trituration until globules of Mercury cease to be visible under a magnifying power of ten diameters.

1890

UNGUENTUM HYDRARGYRI

Mercurial Ointment

(Blue Ointment.)

| | |
|--|---------|
| Mercury, five hundred grammes | 500 Gm. |
| Lard, two hundred and fifty grammes | 250 Gm. |
| Suet, two hundred and thirty grammes | 230 Gm. |

| | |
|---|-----------------|
| Oleate of Mercury, twenty grammes | 20 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Triturate the Oleate of Mercury with the Mercury, gradually added, in a mortar, until globules of the metal are no longer visible. Then add the Lard and Suet, previously melted together and partially cooled, and continue the trituration until globules of Mercury are no longer visible under a lens magnifying ten diameters.

1900

UNGUENTUM HYDRARGYRI

Mercurial Ointment

| | |
|---|-----------------|
| Mercury, five hundred grammes | 500 Gm. |
| Oleate of Mercury, twenty grammes | 20 Gm. |
| Prepared Suet, two hundred and thirty grammes. | 230 Gm. |
| Benzoinated Lard, two hundred and fifty grammes | 250 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Triturate the Oleate of Mercury in a warm mortar, add the Mercury gradually by means of a pipette, and when the globules are completely divided and distributed, set it aside for about fifteen minutes. Melt the Lard and Suet, Allow the mixture to partially cool, and add about twenty-five grammes of it to the mercurial mixture, and continue the trituration until globules are no longer visible under a lens magnifying ten diameters. Then add the remainder of Lard and Suet and mix thoroughly.

Assay of Mercurial Ointment

Weigh 10 Gm. of Mercurial Ointment in a tared dish, melt it, then remove it from the fire and add 50 Cc. of warm petroleum benzin. Stir the mixture well, allow the Mercury to settle completely, and decant the petroleum benzin. Wash the residue with successive portions of 10 Cc. each of warm petroleum benzin until it is entirely free from fatty matter, carefully retain all of the separated Mercury in the dish, and allow all traces of the benzin

to evaporate. Add to the residue 10 Cc. of diluted hydrochloric acid, heat it gently and stir with a glass rod until the Mercury collects in a globule. Pour off the acid, warm the Mercury with a little distilled water, dry the globule on bibulous paper, and weigh. The Mercury should weigh not less than 4.9 Gm.

1910

UNGUENTUM HYDRARGYRI

Mercurial Ointment

Ung. Hydrarg.

| | |
|--|-----------------|
| Mercury, fine hundred grammes | 500 Gm. |
| Oleate of Mercury, twenty grammes | 20 Gm. |
| Prepared Suet, two hundred and thirty grammes. | 230 Gm. |
| Benzoinated Lard, two hundred and fifty grammes. | 250 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Triturate the oleate of mercury in a warm mortar, with the mercury added gradually, and when the globules are completely divided and distributed, set it aside for about fifteen minutes. Melt the lard and suet, allow the mixture to partially cool, add about twenty-five grammes of it to the mercurial mixture, and continue the trituration until globules of mercury are no longer visible under a lens magnifying ten diameters. Then add the remainder of the lard and suet and mix thoroughly.

Assay- Weigh 10 Gm. of Mercurial Ointment in a tared dish, melt it, then remove it from the fire and add 50 mils of warm purified petroleum benzin. Stir the mixture well, allow the mercury to settle completely, and decant the benzin. Wash the residue with successive portions of 10 mils each of warm purified petroleum benzin until it is entirely free from fatty matter, carefully retaining all of the separated Mercury in the dish, and allowing all traces of the benzin to evaporate. Add to the residue 10 mils of diluted hydrochloric acid, heat it gently and stir with a glass rod until the mercury collects in a globule. Pour off the acid, warm the mercury with a little distilled water, dry the globule on bibulous paper, and weigh. The separated mercury weigh not less than 4.9 Gm. nor more than 5.1 Gm.

Preparation - Unguentum Hydrargyri Dilutum.

Stronger Mercurial Ointment

Ung. Hydrarg. Fort. -

Ung. Hydrarg. U.S.P. IX.

Stronger Mercurial Ointment contains not less than 49 per cent and not more than 51 per cent of Hg.

| | |
|-------------------------|----------|
| Mercury | 500 Gm. |
| Oleate of Mercury | 20 Gm. |
| Prepared Suet | 230 Gm. |
| Benzoinated Lard | 250 Gm. |
| To make about | 1000 Gm. |

Triturate the oleate of mercury in a warm mortar, with the mercury added gradually, and when the globules are completely divided and distributed, set it aside for about fifteen minutes. Melt the lard and suet, allow the mixture to partially cool, add about 25 Gm. of it to the mercurial mixture, and continue the trituration until globules of mercury are no longer visible under a lens magnifying ten diameters. Then add the remainder of the lard and suet, and mix thoroughly.

Assay- Mix about 1 Gm. of Stronger Mercurial Ointment, accurately weighed, in a suitable flask with 20 cc. of water and 20 cc. of nitric acid, and warm the mixture gently until red fumes cease to be evolved and the solution is colorless. Cool, add 100 cc. of distilled water and 2 cc. of ferric ammonium sulphate T.S., and titrate with tenth-normal potassium thiocyanate until a permanent reddish color is produced. Each cc. of tenth-normal potassium thiocyanate corresponds to 0.01003 Gm. of Hg.

Preparation- Unguentum Hydrargyri Mite.

Strong Mercurial Ointment

Ung. Hydrarg. Fort. -

Ung. Hydrarg. Fortius U.S.P. X,

Ung. Hydrarg.

Strong Mercurial Ointment contains not less than 49 per cent and not more than 51 per cent of Hg.

| | |
|-------------------------|-----------------|
| Mercury | 500 Gm. |
| Oleate of Mercury | 20 Gm. |
| Wool Fat | 300 Gm. |
| White Wax | 50 Gm. |
| White Petrolatum | 130 Gm. |
| To make about | <u>1000</u> Gm. |

Triturate the oleate of mercury in a warm mortar, with the mercury added gradually, and when all of the mercury is dispersed set the mixture aside for about fifteen minutes. Melt together the wool fat, white wax, and white petrolatum, allow the mixture to cool partially, add about 25 Gm. of it to the mercurial mixture, and continue the trituration until the globules of mercury are no longer visible under a lens magnifying ten diameters. Then add the remainder of the wool fat, white wax, and white petrolatum mixture, and mix thoroughly.

Assay- Mix about 1 Gm. of Strong Mercurial Ointment, accurately weighed in a suitable flask with 20 cc. of distilled water and 20 cc. of nitric acid, and warm the mixture gently until red fumes cease to be evolved and the solution is colorless. Cool the mixture, add 100 cc. of distilled water, filter through a filter paper previously moistened with dilute nitric acid, washing the filter with warm distilled water. To the combined filtrate and washings add 2 cc. of ferric ammonium sulfate T.S., and titrate with tenth-normal ammonium thiocyanate. Each cc. of tenth-normal ammonium thiocyanate is equivalent to 0.01003 Gm. of Hg.

Preparation- Unguentum Hydrargyri Mite.

N.Y.
1830

UNGUENTUM HYDRARGYRI MITIUS

Mild Mercurial Ointment

Take of Strong mercurial ointment, one part,
Lard, two parts;

Mix.

1900

UNGUENTUM HYDRARGYRI DILUTUM

Blue Ointment

| | |
|--|-----------------|
| Mercurial Ointment, six hundred and seventy .. | 670 Gm. |
| Petrolatum, three hundred and thirty grammes . | 330 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Mix them thoroughly.

1910

UNGUENTUM HYDRARGYRI DILUTUM

Diluted Mercurial Ointment

Ung. Hydrarg. Dil.-Blue Oint.

Hydrarg. ung. P. I.

| | |
|---|-----------------|
| Mercurial Ointment, six hundred grammes ... | 600 Gm. |
| Petrolatum, four hundred grammes | 400 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Mix them thoroughly. For use in southern latitudes or during the warm season in other localities, 50 Gm. of the petrolatum (or more, if necessary) may be replaced by an equal quantity of yellow wax.

Assay- Proceed as directed in the assay under Unguentum Hydrargyri. The separated mercury weighs not less than 2.9 Gm. not more than 3.1 Gm.

1920

UNGUENTUM HYDRARGYRI MITE

Mild Mercurial Ointment

Ung. Hydrarg. Mit.-Ung. Hydrarg.

Dil. Mer. Oint., Blue Oint., Hydrarg. ung. P. I.

Mercurial Ointment contains not less than 29 per cent and not more than 31 per cent of Hg.

| | |
|-----------------------------------|-----------------|
| Stronger Mercurial Ointment | 600 Gm. |
| Petrolatum | 200 Gm. |
| Ointment | 200 Gm. |
| To make about | <u>1000</u> Gm. |

Mix the ingredients thoroughly.

Assay- Proceed as directed under Unguentum Hydrargyri Fortius.

1930

UNGUENTUM HYDRARGYTI MITE

Mild Mercurial Ointment

Ung. Hydrarg. Mit.-Dil. Mer. Oint.,

Blue Oint., Ung. hydrarg. P. I.

Mild Mercurial Ointment contains not less than 29 per cent and not more than 31 per cent of Hg.

| | |
|---------------------------------|-----------------|
| Strong Mercurial Ointment | 600 Gm. |
| White Wax | 20 Gm. |
| White Petrolatum | 380 Gm. |
| To make about | <u>1000</u> Gm. |

Melt the white wax in a suitable dish on a water bath, add the white petrolatum, and heat the mixture gently until it is liquefied. Discontinue the heat, stir the mixture until it congeals and then uniformly incorporate the strong mercurial ointment.

Assay- Proceed as directed under Unguentum Hydrargyri Forte.

1870

UNGUENTUM HYDRARGYRI IODIDI RUBRI

Ointment of Red Iodide of Mercury

Take of Red Iodide of Mercury, in very fine powder,
sixteen grains;
Ointment a troyounce.

Rub the Iodide of Mercury with the Ointment, gradually
added, until they are thoroughly mixed.

1820 UNGUENTUM HYDRARGYRI NITRATIS FORTIUS

Ointment of Nitrate of Mercury.

Take of Purified mercury, by weight one part
Nitric acid, two parts.
Olive oil, nine parts.
Lard, three parts.

Dissolve the mercury in the acid, then mix the liquor with the oil and lard previously melted together, and just beginning to grow stiff. Stir them briskly together in a glass mortar, so as to form an ointment.

Phil.
1830

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Nitrate of Mercury

Citrine Ointment.

Take of Purified Mercury an ounce;
Nitric Acid eleven fluidrachms;
Fresh Neats-foot Oil nine fluidounces;
Lard three ounces.

Dissolve the Mercury in the Acid, then melt the Oil and Lard together, and when they begin to stiffen, add the solution, and mix them.

N.Y.
1830

UNGUENTUM HYDRARGYRI NITRATIS FORTIUS

Ointment of Nitrate of Mercury

Citron Ointment

Take of Purified mercury, one ounce,
Nitric acid, eleven fluidrachms,
Lard, six ounces,
Olive oil, four fluidounces;

Dissolve the mercury in the acid, then mix the liquor with the oil and lard previously melted together, and just beginning to grow stiff. Stir them briskly together in a glass mortar, so as to form an ointment.

Phil.
1840

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Nitrate of Mercury

Citrine Ointment

Take of Purified Mercury an ounce;
Nitric Acid eleven fluidrachms;
Fresh Neats-foot Oil nine fluidounces;
Lard three ounces.

Dissolve the Mercury in the Acid; then melt the Oil and Lard together, and when they begin to stiffen, add the solution, and mix them.

1850

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Nitrate of Mercury

Citrine Ointment

Take of Mercury an ounce;
Nitric acid fourteen fluidrachms;
Fresh Neats-foot Oil nine fluidounces;
Lard three ounces.

Dissolve the Mercury in the Acid, then heat together the Oil and Lard, in an earthen vessel to 200°, lastly, add the mercurial solution, and stir with a wooden spatula constantly so long as effervescence continues, and afterwards occasionally until the ointment stiffens.

1890

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Mercuric Nitrate

Citrine Ointment

| | |
|---|---------|
| Mercury, seventy grammes | 70 Gm. |
| Nitric Acid, one hundred and seventy-five gm. | 175 Gm. |
| Lard Oil, seven hundred and sixty grammes ... | 760 Gm. |

Heat the Lard Oil, in a glass or porcelain vessel, to a temperature of 100° C. (212° F.); then withdraw the heat,

gradually add seventy (70) grammes of Nitric Acid, and, when the reaction moderates, reapply the heat, until effervescence ceases. Then allow the mixture to cool to about 40° C. (104° F.). Having dissolved the Mercury in the remainder of the Nitric Acid with the aid of sufficient heat to prevent the solution from crystallizing, add this solution to the mixture. When the mass has become entirely cold, mix it thoroughly by trituration, avoiding the use of a metallic spatula.

1900

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Mercuric Nitrate

| | |
|--|-----------------|
| Mercury, seventy grammes | 70 Gm. |
| Nitric Acid, one hundred and seventy-five gm. | 175 Gm. |
| Lard, free from water, seven hundred & sixty gm. | 760 Gm. |
| To make about one thousand grammes | <u>1000 Gm.</u> |

Heat the Lard in a capacious glass or porcelain vessel to a temperature of 105° C. (221° F.), then withdraw the heat and gradually add seventy grammes of the Nitric Acid.

When the reaction moderates, reapply the heat until effervescence ceases, and allow the mixture to cool to about 40° C. (104° F.). Having dissolved the Mercury in the remainder of the Nitric Acid, using sufficient heat to prevent the solution from crystallizing, add this solution to the Lard mixture. When the mass begins to congeal, stir it thoroughly with a wooden spatula, until it is of a bright citrine color. Contact with metallic utensils should be avoided.

Ointment of Mercuric Nitrate

Ung. Hydrarg. Nit.- Citrine Ointment

| | |
|---|----------------|
| Mercury, seven grammes | 7.0 Gm. |
| Nitric Acid, seventeen and five tenths grammes. | 17.5 Gm. |
| Lard, free from water, seventy-six grammes | 76.0 Gm. |
| To make about one hundred grammes | <u>100</u> Gm. |

Warm the lard in a capacious porcelain dish until it has just melted, or to about 45° C. Add seven grammes of the nitric acid all at once and continue the heat until the characteristic reaction is complete. Hold an inverted glass funnel over the dish to protect the operator from any lard spurting from the dish during the reaction. Withdraw the heat immediately after the rapid rise of froth which accompanies the end reaction and cool the treated lard, stirring it until it assumes a bright citrine color. Dissolve the mercury in the remainder of the nitric acid, warming it if necessary to prevent crystallizing, and mix the solution with the previously prepared lard. All contact with metallic utensils or containers must be avoided.

1820 UNGUENTUM HYDRARGYRI NITRATIS MITIUS

Milder Ointment of Nitrate of Mercury

This is prepared in the same way, with three times the quantity of lard and oil.

N.Y.

1830 UNGUENTUM HYDRARGYRI NITRATIS MITIUS

Milder Ointment of Nitrate of Mercury

This is prepared in the same way, with three times the quantity of lard and oil.

1820 UNGUENTUM HYDRARGYRI NITRICO- OXIDI

Ointment of the Nitric Oxide of Mercury.

Take of Nitric Oxide of mercury, one part.
Lard, eight parts.

To the melted lard add the oxide, and mix them together
until cool.

N.Y.
1830

UNGUENTUM HYDRARGYRI NITRICO- OXIDI

Ointment of the Nitric Oxide of Mercury.

Take of Nitric Oxide of mercury, one part.
Lard, eight parts.

To the melted lard add the oxide, and mix them together
until cool

1820

UNGUENTUM HYDRARGYRI OXIDI CINEREI

Ointment of Grey Oxide of Mercury

Take of Grey oxide of mercury, one part.
Lard, three parts.

Mix the oxide with the lard, previously melted.

1870 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Oxide of Mercury

Take of Yellow Oxide of Mercury, in very fine powder, sixty grains;
Ointment four hundred and twenty grains.

Rub the Oxide of Mercury with the Ointment, gradually added, until they are thoroughly mixed.

1880 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Oxide of Mercury

| | |
|---|------------|
| Yellow Oxide of Mercury, in very fine powder, ten parts. | 10 |
| Ointment, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Oxide of Mercury with the Ointment, gradually added, until they are thoroughly mixed.

1890 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Mercuric Oxide

| | |
|---|----------------|
| Yellow Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Ointment, ninety grammes | 90 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

1900 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Mercuric Oxide

| | |
|---|----------------|
| Yellow Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Water, ten grammes | 10 Gm. |
| Hydrous Wool- Fat, forty grammes | 40 Gm. |
| Petrolatum, forty grammes | 40 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Triturate the Yellow Mercuric Oxide with the Water until the mixture is perfectly smooth, then add the Hydrous Wool- Fat in divided portions, and incorporate thoroughly with the Petrolatum, avoiding contact with metallic uten-

sils.

1910 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Mercuric Oxide

Ung. Hydrarg. Oxid. Flav.

| | |
|---|----------------|
| Yellow Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Water, ten grammes | 10 Gm. |
| Hydrous Wool Fat, forty grammes | 40 Gm. |
| Petrolatum, forty grammes | 40 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Triturate the yellow mercuric oxide with the water until the mixture is perfectly smooth, then add the hydrous wool fat in divided portions, and incorporate thoroughly with the petrolatum. All contact with metallic utensils or containers must be avoided.

1920 UNGUENTUM HYDRARGYRI OXIDI FLAVI

Ointment of Yellow Mercuric Oxide

Ung. Hydrarg. Oxide. Flav.

Note- The strength of this Ointment has been reduced from 10 per cent of Yellow Mercuric Oxide to 1 per cent.

| | |
|---|----------------|
| Yellow Mercuric Oxide, in very fine powder .. | 1 Gm. |
| Liquid Petrolatum | 1 Gm. |
| Hydrous Wool Fat | 10Gm. |
| Petrolatum | 88Gm. |
| To make about | <u>100 Gm.</u> |

Triturate the yellow mercuric oxide with the liquid petrolatum until the mixture is smooth, add the hydrous wool fat in divided portions, and incorporate the mixture thoroughly with the petrolatum. All contact with iron utensils or containers must be avoided.

Yellow Mercuric Oxide Ointment

Ung. Hydrarg. Oxid. Flav.

Caution- During its manufacture and storage this Ointment must not come in contact with iron utensils or containers.

| | |
|---|----------------|
| Yellow Mercuric Oxide, in very fine powder .. | 1 Gm. |
| Liquid Petrolatum | 1 Gm. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 88 Gm. |
| To make | <u>100</u> Gm. |

Triturate the yellow mercuric oxide with the liquid petrolatum until the mixture is smooth. Melt the yellow wax in a suitable dish on a water bath, add the wool fat and the petrolatum, and heat gently until the mixture is liquefied. Gradually incorporate the yellow mercuric oxide mixture with this warm liquid.

Assay- Place in a separator about 10 Gm. of Yellow Mercuric Oxide Ointment, accurately weighed. Warm it slightly to soften the ointment and while rotating add 50 cc. of ether. Shake the mixture until the soluble portion is dissolved. Add 10 cc. of a mixture of equal volumes of hydrochloric acid and distilled water and shake it vigorously until the mercuric oxide has dissolved. Filter the aqueous layer that separates into a 250-cc. beaker and wash the remaining ethereal solution with several portions of 10 cc. each of distilled water until the last washing produces no turbidity with silver nitrate T.S. Dilute the hydrochloric acid solution and the combined washings with distilled water to about 150 cc. and add 5 cc. of hydrochloric acid. Saturate the solution with hydrogen sulfide gas and collect the precipitate in a tared Gooch crucible. Wash the precipitate successively with distilled water, two 10-cc. portions of alcohol, two 10-cc. portions of carbon tetrachloride, without suction and finally with 10 cc. of ether. Dry the crucible and contents to constant weight at 100° C. The weight of mercuric sulfide obtained, multiplied by 0.931, indicates the quantity of mercuric oxide in the Ointment taken for the assay.

Phil.
1830

UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury.

Take of Red Oxide of Mercury, in very fine powder, an
ounce;
Simple Ointment eight ounces.

Add the Oxide of Mercury to the Ointment previously
softened over a gentle fire, and mix them.

1840

UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury.

Take of Red Oxide of Mercury, in very fine powder, an
ounce;
Simple Ointment eight ounces.

Add the Oxide of Mercury to the Ointment previously
softened over a gentle fire, and mix them.

1850

UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury.

Take of Red Oxide of Mercury, in very fine powder, a
drachm;
Simple Ointment an ounce.

Add the Oxide of Mercury to the Ointment previously
softened over a gentle fire, and mix them.

1860

UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury.

Take of Red Oxide of Mercury, in very fine powder,
sixty grains;
Ointment of Lard a troyounce.

Add the Oxide of Mercury to the Ointment previously
softened with a gentle heat, and thoroughly mix them.

1870 UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury

Take of Red Oxide of Mercury, in very fine powder,
 sixty grains;
 Ointment four hundred and twenty grains.

Rub the Oxide of Mercury with the Ointment, gradually
 added, until they are thoroughly mixed.

1880 UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Oxide of Mercury

| | |
|--|------------|
| Red Oxide of Mercury, in very fine powder, ten parts | 10 |
| Ointment, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Oxide of Mercury with a small quantity of the
 Ointment, until a perfectly smooth mixture is obtained;
 then gradually add the remainder of the Ointment, and
 mix thoroughly.

1890 UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Mercuric Oxide

| | |
|--|----------------|
| Red Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Castor Oil, five grammes | 5 Gm. |
| Ointment, eighty-five grammes | 85 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Triturate the Red Mercuric Oxide with the Castor Oil,
 until a perfectly smooth mixture results; then gradually
 incorporate the Ointment, and mix thoroughly.

Ointment of Red Mercuric Oxide

| | |
|---|----------------|
| Red Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Water, ten grammes | 10 Gm. |
| Hydrous Wool- Fat, forty grammes | 40 Gm. |
| Petrolatum, forty grammes | 40 Gm. |
| To make one hundred grammes ... | <u>100</u> Gm. |

Triturate the Red Mercuric Oxide with the Water until the mixture is perfectly smooth and absolutely free from gritty particles, then add the Hydrous Wool- Fat in divided portions, and incorporate thoroughly with the Petrolatum. Contact with metallic utensils should be avoided.

1820 UNGUENTUM HYDRARGYRI SUBMURIATIS AMMONIATI

Ointment of Ammoniated Submuriate of Mercury

Take of Ammoniated Submuriate of mercury, one drachm;
Lard, one ounce and a half.

To the melted lard add the ammoniated submuriate of
mercury, and mix.

N.Y.

1830 UNGUENTUM HYDRARGYRI SUBMURIATIS AMMONIATI

Ointment of Ammoniated Submuriate of Mercury

White Precipitate Ointment

Take of Ammoniated Submuriate of mercury, one drachm.
Lard, one ounce and a half.

To the melted lard add the ammoniated submuriate of
mercury, and mix.

N.Y.
1830

UNGUENTUM IODINI

Ointment of Iodine

Take of Iodine, one drachm,
Lard, one ounce;

Rub them together in a glass mortar until they are
incorporated.

1840

UNGUENTUM IODINI

Ointment of Iodine

Take of Iodine twenty grains;
Alcohol twenty minims;
Lard an ounce.

Rub the Iodine first with the Alcohol and then with the
Lard until they are thoroughly mixed.

1850

UNGUENTUM IODINII

Ointment of Iodine

Unguentum Iodini, U.S. Ph., 1840.

Take of Iodine a scruple;
Iodide of Potassium four grains;
Water six minims;
Lard an ounce.

Rub the Iodine and Iodide of Potassium first with the
Water until liquefied, and then with the Lard until they
are thoroughly mixed.

1860

UNGUENTUM IODINII

Ointment of Iodine

Take of Iodine twenty grains;
Iodide of Potassium four grains;
Water six minims;
Lard a troyounce.

Rub the Iodine and Iodide of Potassium first with the Water until liquefied, and then with the Lard until they are thoroughly mixed.

1870 UNGUENTUM IODINII

Ointment of Iodine

Take of Iodine twenty grains;
 Iodide of Potassium four grains;
 Water six minims;
 Lard a troyounce.

Rub the Iodine and Iodide of Potassium first with the Water until liquefied, and then with the Lard until they are thoroughly mixed.

1880 UNGUENTUM IODI

Iodine Ointment

(Unguentum Iodini, Pharm. 1870.)

| | |
|---|------------|
| Iodine, four parts | 4 |
| Iodide of Potassium, one part | 1 |
| Water, two parts | 2 |
| Benzoinated Lard, ninety-three parts .. | 93 |
| To make one hundred parts . | <u>100</u> |

Rub the Iodine and Iodide of Potassium, first with the Water and then with the Benzoinated Lard, gradually added, until they are thoroughly mixed, avoiding the use of an iron spatula.

1890 UNGUENTUM IODI

Iodine Ointment

| | |
|--|----------------|
| Iodine, four grammes | 4 Gm. |
| Potassium Iodide, one gramme | 1 Gm. |
| Water, two cubic centimeters | 2 cc. |
| Benzoinated Lard, ninety-three grammes . | 93 Gm. |
| To make one hundred grammes . | <u>100 Gm.</u> |

Rub the Iodine and Iodide of Potassium, first with the Water and then with the Benzoinated Lard, gradually added, until they are thoroughly mixed, avoiding the use of a metallic spatula.

This preparation should be freshly made, when required.

1900

UNGUENTUM IODI

Iodine Ointment

| | |
|--------------------------------------|----------------|
| Iodine, four grammes | 4 Gm. |
| Potassium Iodide, four grammes | 4 Gm. |
| Glycerin, twelve grammes | 12 Gm. |
| Benzoinated Lard, eighty grammes ... | 80 Gm. |
| To make one hundred grammes . | <u>100</u> Gm. |

Triturate the Iodine and Potassium Iodide in a glass mortar with the Glycerin until dissolved, then gradually incorporate the Benzoinated Lard and mix thoroughly, avoiding the use of a metallic spatula.

This Ointment should be freshly made when required.

1910

UNGUENTUM IODI

Iodine Ointment

Ung. Iodi

| | |
|--------------------------------------|----------------|
| Iodine, four grammes | 4 Gm. |
| Potassium Iodide, four grammes | 4 Gm. |
| Glycerin, twelve grammes | 12 Gm. |
| Benzoinated Lard, eighty grammes ... | 80 Gm. |
| To make one hundred grammes. | <u>100</u> Gm. |

Triturate the iodine and potassium iodide in a glass mortar with the glycerin until dissolved, then gradually incorporate the benzoinated lard and mix thoroughly. All contact with metallic utensils or containers must be avoided. This Ointment must not be dispensed unless it has been recently prepared.

1920

UNGUENTUM IODI

Iodine Ointment

Ung. Iodi

| | |
|------------------------|----------------|
| Iodine | 4 Gm. |
| Potassium Iodide | 4 Gm. |
| Glycerin | 12 Gm. |
| Wool Fat | 80 Gm. |
| To make about . | <u>100</u> Gm. |

Triturate the iodine and potassium iodide, preferably in a glass mortar, with the glycerin until dissolved, gradually incorporate the wool fat, and mix thoroughly. All contact with metallic utensils or containers must be avoided.

1930

UNGUENTUM IODI

Iodine Ointment

Ung. Iodi

Iodine Ointment contains not less than 6.5 per cent and not more than 7.5 per cent of total I.

Caution- During its manufacture and storage this Ointment must not come in contact with iron utensils or containers.

| | |
|------------------------|----------------|
| Iodine | 4 Gm. |
| Potassium Iodide | 4 Gm. |
| Glycerin | 12 Gm. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 70 Gm. |
| To make ... | <u>100</u> Gm. |

Dissolve the iodine and the potassium iodide in the glycerin, preferably in a glass mortar. Melt the yellow wax on a water bath, add the wool fat and the petrolatum, and heat the mixture gently until it is liquefied.

Gradually incorporate this warm liquid with the iodine solution.

Assay- Tare a nickel or silver crucible containing about 2 Gm. of anhydrous potassium carbonate, add about 1 Gm. of Iodine Ointment and reweigh. Cover the Ointment with an additional 2 Gm. of potassium carbonate and heat on a water bath until the ointment is fluid. Heat the crucible and contents gently over a Bunsen flame, gradually increasing the temperature, but not exceeding a dull redness, until the ointment is completely carbonized. Extract the residue with boiling distilled water and wash on a filter until the last washing, acidified with nitric acid, yields no precipitate with silver nitrate T.S. Heat the combined filtrate and washings, which measure about 75 cc., on a water bath, and add potassium permanganate T.S. until the hot liquid remains permanently pink. Add just enough alcohol to remove the pink tint, cool to 25° C., then add sufficient distilled water to make exactly 100 cc. Filter the mixture through a filter which has not been previously moistened, rejecting the first 25 cc. of filtrate. To 50 cc. of the subsequent clear filtrate add 10 cc. of potassium iodide T.S., acidify with diluted sulfuric acid and titrate with tenth-normal sodium thiosulfate. Each cc. of tenth-normal sodium thiosulfate is equivalent to 0.002115 Gm. of I.

1840

UNGUENTUM IODINI COMPOSITUM

Compound Ointment of Iodine

Take of Iodine half a drachm;
Iodide of Potassium a drachm;
Alcohol a fluidrachm;
Lard two ounces.

Rub the Iodine and Iodide of Potassium first with the Alcohol and then with the Lard until they are thoroughly mixed.

1850

UNGUENTUM IODINII COMPOSITUM

Compound Ointment of Iodine.

Take of Iodine half a drachm;
Iodide of Potassium a drachm;
Alcohol a fluidrachm;
Lard two ounces.

Rub the Iodine and Iodide of Potassium first with the Alcohol and then with the Lard until they are thoroughly mixed.

1860

UNGUENTUM IODINII COMPOSITUM

Compound Ointment of Iodine.

Take of Iodine fifteen grains;
Iodide of Potassium thirty grains;
Water thirty minims;
Lard a troyounce.

Rub the Iodine and Iodide of Potassium first with the Water, and then with the Lard until they are thoroughly mixed.

1880

UNGUENTUM IODOFORMI

Iodoform Ointment

| | |
|---|------------|
| Iodoform, in very fine powder, ten parts .. | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Iodoform with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1890

UNGUENTUM IODOFORMI

Iodoform Ointment

| | |
|---|---------------|
| Iodoform, in very fine powder, ten grammes. | 10 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes ... | <u>100</u> Gm |

Rub the Iodoform with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

This preparation should be freshly made, when required.

1900

UNGUENTUM IODOFORMI

Iodoform Ointment

| | |
|---|----------------|
| Iodoform, in very fine powder, ten grammes. | 10 Gm. |
| Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes ... | <u>100</u> Gm. |

Triturate the Iodoform thoroughly with about twice its weight of the Lard, then incorporate the remainder of the Lard.

1910

UNGUENTUM IODOFORMI

Iodoform Ointment

Ung. Iodof.

| | |
|--|----------------|
| Iodoform, in very fine powder, ten grammes . | 10 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Triturate the iodoform thoroughly with about twice its weight of the benzoinated lard, then incorporate the remainder of the benzoinated lard.

1920

UNGUENTUM IODOFORMI

Iodoform Ointment

Ung. Iodof.

| | |
|------------------|----------------|
| Iodoform | 10 Gm. |
| Wool Fat | 20 Gm. |
| Petrolatum | 70 Gm. |
| To make about . | <u>100</u> Gm. |

Triturate the Iodoform with the previously melted petrolatum until dissolved, incorporate the wool fat, and mix thoroughly.

1840

UNGUENTUM MEZEREI

Ointment of Mezereon

Take of Mezereon, sliced transversely, four ounces;
Lard fourteen ounces;
White Wax two ounces.

Moisten the Mezereon with a little Alcohol, and heat it in an iron mortar until reduced to a fibrous mass; then digest it with the Lard, in a salt-water bath, for twelve hours, strain with strong expression, and allow the strained liquid to cool slowly, so that any undissolved matters may subside. From these separate the medicated Lard, melt it with the Wax at a moderate heat, and stir them constantly till they are cold.

1850

UNGUENTUM MEZEREI

Ointment of Mezereon

Take of Mezereon, sliced transversely, four ounces;
Lard fourteen ounces;
White Wax two ounces.

Moisten the Mezereon with a little Alcohol, and heat it in an iron mortar until reduced to a fibrous mass; then digest it with the Lard, in a salt-water bath, for twelve hours, strain with strong expression, and allow the strained liquid to cool slowly, so that any undissolved matters may subside. From these separate the medicated Lard, melt it with the Wax at a moderate heat, and stir them constantly till they are cold.

1870

UNGUENTUM MEZEREI

Mezereon Ointment

Take of Fluid Extract of Mezereon four fluidounces;
Lard fourteen troyounces;
Yellow Wax two troyounces.

Melt the Lard and Wax together with a moderate heat, add the Fluid Extract of Mezereon, and stir the mixture constantly until the alcohol has evaporated; then continue to stir while cooling.

1880

UNGUENTUM MEZEREI

Mezereum Ointment

| | |
|---|----|
| Fluid Extract of Mezereum, twenty-five parts. | 25 |
| Lard, eighty parts | 80 |
| Yellow Wax, twelve parts | 12 |

Melt together the Lard and Wax with a moderate heat, add the Fluid Extract, and stir the mixture constantly until the alcohol has evaporated; then continue to stir until cool.

1870 UNGUENTUM ACIDI CARBOLICI

Ointment of Carbolic Acid

Take of Carbolic Acid sixty grains;
Ointment four hundred and twenty grains.

Mix them thoroughly.

1880 UNGUENTUM ACIDI CARBOLICI

Ointment of Carbolic Acid

| | |
|--------------------------------|------------|
| Carbolic Acid, ten parts | 10 |
| Ointment, ninety parts | 90 |
| To make one hundred parts .. | <u>100</u> |

Mix them thoroughly.

1890 UNGUENTUM ACIDI CARBOLICI

Ointment of Carbolic Acid

| | |
|-------------------------------------|----------------|
| Carbolic Acid, five grammes | 5 Gm. |
| Ointment, ninety-five grammes | 95 Gm. |
| To make one hundred grammes. | <u>100 Gm.</u> |

Mix them thoroughly.

1900 UNGUENTUM PHENOLIS

Ointment of Phenol

(Unguentum Acidi Carbolicici, Pharm. 1890)

| | |
|--|----------------|
| Phenol, three grammes | 3 Gm. |
| White Petrolatum, ninety-seven grammes . | 97 Gm. |
| To make one hundred grammes .. | <u>100 Gm.</u> |

To the melted White Petrolatum add the Phenol, and stir the mixture until it begins to congeal.

1910

UNGUENTUM PHENOLIS

Ointment of Phenol

Ung. Phenol- Oint. of Carbohic Acid

| | |
|--|-----------------|
| Liquefied Phenol, two and twenty-five hundreths grammes | 2.25 Gm. |
| Ointment, ninety-seven and seventy-five hun- dreths grammes | 97.75 Gm. |
| To make one hundred grammes | <u>100.</u> Gm. |

Add the liquefied phenol to the melted ointment and stir the mixture until it begins to congeal.

1920

UNGUENTUM PHENOLIS

Ointment of Phenol

Ung. Phenol.- Oint. of Carbohic Acid

| | |
|---------------------|----------------|
| Phenol | 2 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 93 Gm. |
| To make about | <u>100</u> Gm. |

Melt the yellow wax and phenol on a water bath, add the petrolatum, and stir the mixture until it congeals.

1930

UNGUENTUM PHENOLIS

Phenol Ointment

Ung. Phenol.- Oint. of Carbohic Acid

Phenol Ointment contains not less than 1.8 per cent and not more than 2.2 per cent of C₆ H₅ OH.

| | |
|---------------------|----------------|
| Phenol | 2 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 93 Gm. |
| To make about | <u>100</u> Gm. |

Melt the yellow wax and phenol on a water bath, add the petrolatum, and stir the mixture until it congeals.

Assay- Place about 2 Gm. of Phenol Ointment in a tared, 150-cc. Florence flask and weigh accurately. Add 75 cc. of distilled water and arrange the flask for steam distillation, having connected it with a water-chilled condenser. Distil with steam, collecting 150 cc. of distillate in a 500-cc; glass-stoppered flask: 1 cc. of the subsequent distillate should show no turbidity with 3 cc. of bromine T.S. Add exactly 50 cc. of tenth-normal bromine and proceed with the assay as directed under Phenol, page 285, line 5, beginning with the words, "then 5 cc." Each cc. of tenth-normal bromine is equivalent to 0.001568 Gm. of C_6H_5OH .

1820

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar, five parts.
Yellow wax, two parts.

Mix them together, and strain through linen.

Phil.

1830

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar,
Suet, each, a pound.

Add the Tar to the Suet previously melted over a gentle fire, and stir them constantly till they are cold.

N.Y.

1830

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Suet,
Tar, each one pound;

Melt them together.

1840

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar,
Suet, each, a pound.

Add the Tar to the Suet previously melted over a gentle fire, and stir them constantly till they are cold.

1850

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar,
Suet, each, a pound.

Add the Tar to the Suet previously melted over a gentle fire, and stir them constantly till they are cold.

1860

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar,
Suet, each, twelve troyounces.

Mix the Tar with the Suet previously melted with a moderate heat, and, having strained the mixture through muslin, stir it constantly while cooling.

1870

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Take of Tar,
Suet, each, twelve troyounces.

Mix the Tar with the Suet previously melted with a moderate heat, and, having strained the mixture through muslin, stir it constantly while cooling.

1880

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

| | |
|---------------------------------|------------|
| Tar, fifty parts | 50 |
| Suet, fifty parts | 50 |
| To make one hundred parts | <u>100</u> |

Mix the Tar with the Suet previously melted with a moderate heat, and, having strained the mixture through muslin, stir it constantly while cooling.

1890

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

| | |
|---|-----------------|
| Tar, five hundred grammes | 500 Gm. |
| Yellow Wax, one hundred and twenty-five grammes | 125 Gm. |
| Lard, three hundred and seventy-five grammes | 375 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Melt together the Yellow Wax and the Lard at a moderate heat. Then incorporate the Tar, strain the mixture through muslin, and stir the Ointment constantly until it is cool.

1900

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

| | |
|---|-----------------|
| Tar, five hundred grammes | 500 Gm. |
| Yellow Wax, one hundred and fifty grammes ... | 150 Gm. |
| Lard, three hundred and fifty grammes | 350 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Melt the Yellow Wax, add the Lard, and to the melted mixture add the Tar, previously warmed, and incorporate thoroughly; strain through muslin, and stir the mixture until it congeals.

1910

UNGUENTUM PICIS LIQUIDAE

Tar Ointment

Ung. Pic. Lig.

| | |
|---|-----------------|
| Tar, five hundred grammes | 500 Gm. |
| Yellow Wax, one hundred and fifty grammes ... | 150 Gm. |
| Lard, three hundred and fifty grammes | 350 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Melt the yellow wax, add the lard, and to the melted mixture add the tar, previously warmed, and incorporate thoroughly; strain through muslin, and stir the mixture until it congeals.

1920

UNGUENTUM PICIS PINI

Tar Ointment.

Ung. Pic. In.- Ung. Picis Liquidae U.S.P.IX

| | |
|---------------------|----------------|
| Pine Tar | 50 Gm. |
| Yellow Wax | 15 Gm. |
| Petrolatum | 35 Gm. |
| To make about | <u>100</u> Gm. |

Melt the yellow wax, add the petrolatum, and to the melted mixture add the pine tar, previously warmed, and incorporate thoroughly. Strain the mixture through muslin, and stir until it congeals.

1930

UNGUENTUM PICIS PINI

Tar Ointment

Ung. Pic. Pin.- Ung. Picis Liquidae

Melt the yellow wax on a water bath, add the petrolatum, and to the melted mixture add the pine tar, previously warmed, and incorporate thoroughly. Strain the mixture through muslin, and stir until it congeals.

Phil.
1830

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead.

Take of Carbonate of Lead, in very fine powder, two
ounces,
Simple Ointment, a pound.

Add the Carbonate of Lead to the Ointment previously
softened over a gentle fire, and mix them.

1840

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead.

Take of Carbonate of Lead, in very fine powder, two
ounces,
Simple Ointment, a pound.

Add the Carbonate of Lead to the Ointment previously
softened over a gentle fire, and mix them.

1850

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead.

Take of Carbonate of Lead, in very fine powder, two
ounces,
Simple Ointment, a pound.

Add the Carbonate of Lead to the Ointment previously
softened over a gentle fire, and mix them.

1860

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead.

Take of Carbonate of Lead, in very fine powder,
eighty grains;
Ointment of Lard a troyounce.

Add the Carbonate of Lead to the Ointment previously
softened with a gentle heat, and thoroughly mix them.

1870

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead

Take of Carbonate of Lead, in very fine powder, sixty grains;
Ointment four hundred and twenty grains.

Rub the Carbonate of Lead with the Ointment, gradually added, until they are thoroughly mixed.

1880

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead

| | |
|---|------------|
| Carbonate of Lead, in very fine powder, ten parts | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts | <u>100</u> |

Rub the Carbonate of Lead with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1890

UNGUENTUM PLUMBI CARBONATIS

Ointment of Carbonate of Lead

| | |
|--|----------------|
| Lead Carbonate, in very fine powder, ten grammes | 10 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes. | <u>100 Gm.</u> |

Rub the Lead Carbonate with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1870

UNGUENTUM PLUMBI IODIDI

Ointment of Iodide of Lead

Take of Iodide of Lead, in very fine powder, sixty grains;

Ointment four hundred and twenty grains.

Rub the Iodide of Lead with the Ointment, gradually added, until they are thoroughly mixed.

1880

UNGUENTUM PLUMBI IODIDI

Ointment of Iodide of Lead

| | |
|--|------------|
| Iodide of Lead, in very fine powder, ten parts | 10 |
| Benzoinated Lard, ninety parts | 90 |
| To make one hundred parts .. | <u>100</u> |

Rub the Iodide of Lead with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1890

UNGUENTUM PLUMBI IODIDI

Ointment of Lead Iodide.

| | |
|---|----------------|
| Lead Iodide, in very fine powder, ten grammes | 10 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Rub the Lead Iodide with the Benzoinated Lard, gradually added, until they are thoroughly mixed.

1820

UNGUENTUM PLUMBI SUBCARBONATIS

Ointment of Subcarbonate of Lead

Take of Simple ointment, one pound.
Subcarbonate of lead, two ounces.

To the ointment previously softened add the lead, and stir them until cool.

1910

UNGUENTUM DIACHYLON

Diachylon Ointment

Ung. Diachyl.

| | |
|--|----------------|
| Lead Plaster, fifty grammes | 50 Gm. |
| Oil of Lavender, one gramme | 1 Gm. |
| White Petrolatum, forty-nine grammes . | 49 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Melt together the lead plaster and the white petrolatum by applying a gentle heat, strain the mixture, allow it to cool but not congeal, add the oil of lavender, and stir the Ointment until it is cold.

1920

UNGUENTUM PLUMBI OLEATIS

Ointment of Lead Oleate

Ung. Plumb. Ol.- Ung. Diachyl. U.S.P.IX

| | |
|---------------------------|----------------|
| Lead Oleate Plaster | 50 Gm. |
| Oil of Lavender | 1 Gm. |
| White Petrolatum | 49 Gm. |
| To make about | <u>100</u> Gm. |

Melt together the lead oleate plaster and the white petrolatum by applying a gentle heat, strain the mixture, allow it to cool but not congeal, add the oil of lavender, and stir the Ointment until it is cold.

Dissolve the Iodide of Potassium and the Hyposulphite of Sodium in the Boiling Water, in a warm mortar; then gradually add the Benzoinated Lard, and mix thoroughly.

1890

UNGUENTUM POTASSII IODIDI

Ointment of Potassium Iodide

| | |
|---|----------------|
| Sodium Hyposulphite, one gramme | 1 Gm. |
| Potassium Iodide, twelve grammes..... | 12 Gm. |
| Water, hot, ten cubic centimeters ... | 10 Cc. |
| Benzoinated Lard, seventy-seven grammes . | 77 Gm. |
| To make one hundred grammes..... | <u>100 Gm.</u> |

Dissolve the Potassium Iodide and the Sodium Hyposulphite in the hot Water, then mix the solution with the Benzoinated Lard.

1900

UNGUENTUM POTASSII IODIDI

Ointment of Potassium Iodide

| | |
|---|------------------|
| Potassium Iodide, ten grammes | 10.0 Gm. |
| Potassium Carbonate, six-tenths of a gramme | 0.6 Gm. |
| Water, ten grammes | 10.0 Gm. |
| Benzoinated Lard, eighty grammes | 80.0 Gm. |
| To make about one hundred gm. | <u>100.0 Gm.</u> |

Dissolve the Potassium Iodide and Potassium Carbonate in the Water by trituration, then gradually add the Benzoinated Lard and incorporate thoroughly. This Ointment should be prepared extemporaneously.

1850

UNGUENTUM POTASSII IODIDI

Ointment of Iodide of Potassium

Take of Iodide of Potassium, in fine powder, a drachm;
Boiling Water a fluidrachm;
Lard an ounce.

Dissolve the Iodide of Potassium in the Water, and mix
the solution with the Lard.

1860

UNGUENTUM POTASSII IODIDI

Ointment of Iodide of Potassium

Take of Iodide of Potassium, in fine powder, sixty
grains;
Water a fluidrachm;
Lard a troyounce.

Dissolve the Iodide of Potassium in the Water, and mix
the solution with the Lard.

1870

UNGUENTUM POTASSII IODIDI

Ointment of Iodide of Potassium

Take of Iodide of Potassium, in fine powder, sixty
grains;
Water, boiling hot, half a fluidrachm;
Lard four hundred and twenty grains.

Dissolve the Iodide of Potassium in the Water, in a
warm mortar, then add the Lard gradually, and thoroughly
mix them.

1880

UNGUENTUM POTASSII IODIDI

Ointment of Iodide of Potassium

| | |
|--|------------|
| Iodide of Potassium, in fine powder, twelve parts | 12 |
| Hyposulphite of Sodium, one part | 1 |
| Boiling Water, six parts | 6 |
| Benzoinated Lard, eighty-one parts | 81 |
| To make one hundred parts | <u>100</u> |

1880

UNGUENTUM DIACHYLON

Diachylon Ointment

| | |
|------------------------------------|------------|
| Lead Plaster, sixty parts | 60 |
| Olive Oil, thirty-nine parts | 39 |
| Oil of Lavender, one part | 1 |
| To make one hundred parts..... | <u>100</u> |

Melt together the Lead Plaster and Olive Oil, at a moderate heat, then, having permitted the mass to become partly cool, incorporate with it the Oil of Lavender, and stir constantly until cold.

1890

UNGUENTUM DIACHYLON

Diachylon Ointment

| | |
|---|-----------------|
| Lead Plaster, five hundred grammes | 500 Gm. |
| Olive Oil, four hundred and ninety grammes .. | 490 Gm. |
| Oil of Lavender Flowers, ten cubic centimeters. | 10 cc. |
| To make one thousand grammes | <u>1000</u> Gm. |

Melt together the Lead Plaster and the Olive Oil, on a water-bath; then, having allowed the mixture to become partly cool, add the Oil of Lavender Flowers, and stir constantly, until the Ointment is cold.

1900

UNGUENTUM DIACHYLON

Diachylon Ointment

| | |
|---|-----------------|
| Lead Plaster, fifty grammes | 50 Gm. |
| Oil of Lavender Flowers, one gramme | 1 Gm. |
| Olive Oil, forty-nine grammes | 49 Gm. |
| To make one hundred grammes | <u>100.</u> Gm. |

Melt the Lead Plaster by applying a gentle heat, add the Olive Oil, and mix thoroughly; then allow the mixture to cool, add the Oil of Lavender Flowers, and stir the ointment until it congeals. It should be prepared extemporaneously.

Ointment of Thorn Apple.

Take of Thornapple leaves, fresh gathered and sliced,
 five pounds.
 Lard, fourteen pounds.

Let them simmer together over a gentle fire till the
 leaves become crisp and dry, then press out the lard
 through a linen cloth, and add to every pound of the com-
 pound, of---

Yellow wax, two ounces.

When the wax is melted, let the whole be allowed to cool
 gradually, that the impurities may subside, which must
 be separated from the ointment.

Phil.
 1830

UNGUENTUM STRAMONII

Ointment of Thorn Apple.

Take of Fresh Thorn-apple Leaves, cut in pieces, a pound;
 Lard three pounds;
 Yellow Wax half a pound.

Boil the Thorn-apple Leaves in the Lard, till they be-
 come friable; then strain through linen; lastly, add the
 Wax previously melted, and stir them till they are cold.

N.Y.
 1830

UNGUENTUM STRAMONII

Stramonium Ointment

Take of Stramonium, five pounds,
 Lard, fourteen pounds;

Let them simmer together over a gentle fire till the
 stramonium become crisp and dry, then press out the lard
 through a linen cloth, and add to every pound of the
 compound, of---

Yellow wax, two ounces.

When the wax is melted, let the whole be allowed to cool gradually, that the impurities may subside, which must be separated from the ointment.

1840

UNGUENTUM STRAMONII

Ointment of Stramonium

Take of Fresh Stramonium Leaves, cut into pieces, a pound;
Lard three pounds;
Yellow Wax half a pound.

Boil the Stramonium Leaves in the Lard until they become friable; then strain through linen. Lastly, add the Wax previously melted, and stir them until they are cold

1850

UNGUENTUM STRAMONII

Stramonium Ointment

Take of Extract of Stramonium Leaves a drachm;
Lard an ounce.

Rub the Extract with a little water until uniformly soft, and then with the Lard till they are thoroughly mixed.

1860

UNGUENTUM STRAMONII

Ointment of Stramonium

Take of Extract of Stramonium sixty grains;
Water half a fluidrachm;
Lard a troyounce.

Rub the Extract first with the Water until rendered uniformly soft, then with the Lard, and thoroughly mix them.

1870

UNGUENTUM STRAMONII

Stramonium Ointment

Take of Extract of Stramonium sixty grains;
 Water half a fluidrachm;
 Lard four hundred and twenty grains;

Rub the Extract with the Water until uniformly soft,
 then gradually add the Lard, and thoroughly mix them.

1880

UNGUENTUM STRAMONII

Stramonium Ointment

| | |
|---|--------------|
| Extract of Stramonium, ten parts | 10 |
| Water, five parts | 5 |
| Benzoinated Lard, eighty-five parts | 85 |
| To make one hundred parts | <u>100--</u> |

Rub the Extract with the Water until uniformly soft;
 then gradually add the Benzoinated Lard, and mix
 thoroughly.

1890

UNGUENTUM STRAMONII

Stramonium Ointment

| | |
|--|----------------|
| Extract of Stramonium Seed, ten grammes... | 10 Gm. |
| Diluted Alcohol, five cubic centimeters .. | 5 cc. |
| Benzoinated Lard, eighty-five grammes | 85 Gm. |
| To make one hundred grammes | <u>100 Gm.</u> |

Rub the Extract with the Diluted Alcohol until it is
 uniformly soft; then gradually add the Benzoinated Lard,
 and mix thoroughly.

1900

UNGUENTUM STRAMONII

Stramonium Ointment

| | |
|--|----------------|
| Extract of Stramonium, ten grammes | 10 Gm. |
| Diluted Alcohol, five cubic centimeters..... | 5 Cc. |
| Hydrous Wool-Fat, twenty grammes | 20 Gm. |
| Benzoinated Lard, sixty-five grammes | 65 Gm. |
| To make about one hundred grammes. | <u>100</u> Gm. |

Triturate the Extract with the Diluted Alcohol until a smooth mixture is obtained; with this incorporate the Hydrous Wool-Fat, then add the Benzoinated Lard, and mix thoroughly.

1910

UNGUENTUM STRAMONII

Stramonium Ointment

Ung. Stramon,

| | |
|---|----------------|
| Pilular Extract of Stramonium, ten grammes .. | 10 Gm. |
| Diluted Alcohol, five milliliters | 5 mils. |
| Hydrous Wool Fat, twenty grammes | 20 Gm. |
| Benzoinated Lard, sixty-five grammes | 65 Gm. |
| To make about one hundred grammes . | <u>100</u> Gm. |

Triturate the extract with the diluted alcohol until a smooth mixture is obtained; with this incorporate the hydrous wool fat, then add the benzoinated lard, and mix thoroughly.

1820

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Hogs lard, four parts.
Sulphur, one part.

Mix the sulphur with the melted lard.

Phil.

1830

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Sulphur a pound;
Lard four pounds.

Mix them.

N.Y.

1830

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Lard, four parts.
Sulphur, one part.

Mix the sulphur with the melted lard.

1840

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Sulphur, a pound;
Lard two pounds.

Mix them.

1850

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Sulphur, a pound;
Lard two pounds.

Mix them.

1860

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Sublimed Sulphur a troyounce;
Lard two troyounces.

Mix them.

1870

UNGUENTUM SULPHURIS

Sulphur Ointment

Take of Sublimed Sulphur a troyounce;
Lard two troyounces.

Rub the Sulphur with the Lard, gradually added, until
they are thoroughly mixed.

1880

UNGUENTUM SULPHURIS

Sulphur Ointment

| | |
|---------------------------------------|------------|
| Sublimed Sulphur, thirty parts | 30 |
| Benzoinated Lard, seventy parts | 70 |
| To make one hundred parts | <u>100</u> |

Rub the Sulphur with the Benzoinated Lard, gradually
added, until they are thoroughly mixed.

1890

UNGUENTUM SULPHURIS

Sulphur Ointment

| | |
|---|-----------------|
| Washed Sulphur, three hundred grammes ... | 300 Gm. |
| Benzoinated Lard, seven hundred grammes.. | 700 Gm. |
| To make one thousand grammes ... | <u>1000</u> Gm. |

Rub the Washed Sulphur with the Benzoinated Lard,
gradually added, until they are thoroughly mixed.

1900

UNGUENTUM SULPHURIS

Sulphur Ointment

| | |
|--|-----------------|
| Washed Sulphur, one hundred and fifty grammes | 150 Gm. |
| Benzoinated Lard, eight hundred and fifty ... grammes | 850 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Rub the Washed Sulphur with the Benzoinated Lard,
gradually added, until they are thoroughly mixed.

1910

UNGUENTUM SULPHURIS

Sulphur Ointment

| | |
|--|-----------------|
| Sublimed Sulphur, one hundred and fifty grammes | 150 Gm. |
| Benzoinated Lard, eight hundred and fifty grammes | 850 Gm. |
| To make one thousand grammes | <u>1000</u> Gm. |

Rub the sublimed sulphur with the benzoinated lard,
gradually added, until they are thoroughly mixed.

1920

UNGUENTUM SULPHURIS

Sulphur Ointment

| | |
|------------------------|----------------|
| Sublimed Sulphur | 15 Gm. |
| Benzoinated Lard..... | 85 Gm. |
| To make about | <u>100</u> Gm. |

Rub the sublimed sulphur, which must be free from gritty
particles, with a small portion of the benzoinated lard
until smooth, and incorporate uniformly the remainder of
the benzoinated lard with the sulphur mixture.

Sulfur Ointment

Ung. Sulfur.

Sulfur Ointment contains not less than 13.5 per cent and not more than 16.5 per cent of S.

| | |
|---------------------------|----------------|
| Precipitated Sulfur | 15 Gm. |
| Wool Fat..... | 5 Gm. |
| Yellow Wax | 5 Gm. |
| White Petrolatum | 75 Gm. |
| To make | <u>100</u> Gm. |

Melt the yellow wax in a suitable dish on a water bath, add the wool fat and the white petrolatum, and heat the mixture gently until it is liquefied. Gradually incorporate the warm liquid with the precipitated sulfur until a uniform mixture is obtained.

Assay- Place about 0.5 Gm. of Sulfur Ointment in a tared Erlenmeyer flask of suitable capacity and weigh accurately. Add 5 cc. of nitric acid and 3 cc. of bromine. Heat the mixture gently until the excess of bromine has been dissipated. Add about 50 cc. of distilled water and transfer to a separator. Extract the liquid with three successive portions of ether of 30, 20 and 10 cc., respectively, to remove the soluble ingredients. Wash the combined ethereal washings with about 10 cc. of distilled water and add this to the aqueous solutions. Dilute the solution to about 200 cc. with distilled water and acidify with hydrochloric acid. Heat the mixture to boiling and add hot barium chloride T.S. in small portions, until no further precipitation takes place. Heat the mixture on a water bath for thirty minutes, collect the precipitate on a filter, wash, dry, ignite and weigh it as barium sulfate. The weight of barium sulfate thus obtained, multiplied by 0.1373, indicates its equivalent of S.

Alkaline Sulphur Ointment

| | |
|--|------------|
| Washed Sulphur, twenty parts | 20 |
| Carbonate of Potassium, ten parts | 10 |
| Water, five parts | 5 |
| Benzoinated Lard, sixty-five parts | 65 |
| To make one hundred parts | <u>100</u> |

Rub the Sulphur with the Carbonate of Potassium and the Water, gradually add the Benzoinated Lard, and mix thoroughly.

1820

UNGUENTUM SULPHURIS COMPOSITUM

Compound Sulphur Ointment

Take of Sulphur, one ounce.
Ammoniated submuriate of mercury;
Benzoic acid, each one drachm.
Oil of lemons, one fluidrachm.
Sulphuric acid, sixty minims.
Nitrate of potass, two drachms.
Lard, half a pound.

Melt the lard, then add the other articles, continually stirring until the whole is cold.

Phil.
1830

UNGUENTUM SULPHURIS COMPOSITUM

Compound Sulphur Ointment

Take of Sulphur, one ounce.
Ammoniated Mercury;
Benzoic acid, each one drachm.
Oil of lemons, one fluidrachm.
Sulphuric acid, sixty minims.
Nitrate of potass, two drachms.
Lard, half a pound.

Melt the lard, then add the other articles, continually stirring until the whole is cold.

N.Y.
1830

UNGUENTUM SULPHURIS COMPOSITUM

Compound Sulphur Ointment

Take of Sulphur, one ounce.
Ammoniated submuriate of mercury;
Benzoic acid, each one drachm.
Oil of lemons, one fluidrachm.
Sulphuric acid, sixty minims.
Nitrate of potass, two drachms.
Lard, half a pound.

Melt the lard, then add the other articles, continually stirring until the whole is cold.

1840

UNGUENTUM SULPHURIS COMPOSITUM

Compound Sulphur Ointment

Take of Sulphur an ounce;
Ammoniated Mercury,
Benzoic Acid, each, a drachm;
Oil of Bergamot,
Sulphuric Acid, each, a fluidrachm;
Nitrate of Potassa two drachms;
Lard half a pound.

To the Lard, previously melted with a moderate heat,
add the other ingredients, and stir them constantly till
they are cold.

1850

UNGUENTUM SULPHURIS COMPOSITUM

Compound Sulphur Ointment

Take of Sulphur an ounce;
Ammoniated Mercury,
Benzoic Acid, each, a drachm;
Oil of Bergamot,
Sulphuric Acid, each, a fluidrachm;
Nitrate of Potassa two drachms;
Lard half a pound.

To the Lard, previously melted with a moderate heat,
add the other ingredients, and stir them constantly till
they are cold.

1850

UNGUENTUM SULPHURIS IODIDI

Ointment of Iodide of Sulphur.

Take of Iodide of Sulphur half a drachm;
Lard an ounce.

Rub the Iodide with a little of the Lard, then add the remainder, and mix them.

1860

UNGUENTUM SULPHURIS IODIDI

Ointment of Iodide of Sulphur.

Take of Iodide of Sulphur thirty grains;
Lard a troyounce.

Rub the Iodide of Sulphur, first reduced to a fine powder, with a little of the Lard, then add the remainder, and thoroughly mix them.

1870

UNGUENTUM SULPHURIS IODIDI

Ointment of Iodide of Sulphur.

Take of Iodide of Sulphur, in very fine powder, thirty grains;
Lard a troyounce.

Rub the Iodide of Sulphur with the Lard, gradually added, until they are thoroughly mixed.

Phil.
1830

UNGUENTUM TABACI

Tobacco Ointment

Take of Fresh Tobacco cut in pieces, an ounce;
Lard a pound.

Boil the Tobacco in the Lard over a gentle fire till it
becomes friable; then strain through linen.

N.Y.
1830

UNGUENTUM TABACI

Tobacco Ointment

Take of Tobacco, cut fine, one ounce,
Lard, one pound;

Simmer the tobacco in the lard over a gentle fire until
it becomes crisp, and strain.

1840

UNGUENTUM TABACI

Tobacco Ointment

Take of Fresh Tobacco, cut in pieces, an ounce;
Lard a pound.

Boil the Tobacco in the Lard over a gentle fire till it
becomes friable; then strain through linen.

1850

UNGUENTUM TABACI

Tobacco Ointment

Take of Fresh Tobacco, cut in pieces, an ounce;
Lard a pound.

Boil the Tobacco in the Lard over a gentle fire till it
becomes friable; then strain through linen.

1860

UNGUENTUM TABACI

Ointment of Tobacco

Take of Tobacco, in fine powder, half a troyounce;
Lard eight troyounces;
Water a sufficient quantity.

Moisten the Tobacco with a little Water, introduce it into a conical glass percolator, and, having pressed it firmly, pour Water upon it until four fluidounces of filtered liquid have passed. Evaporate this to the consistence of a soft extract, and mix it thoroughly with the Lard.

1870

UNGUENTUM TABACI

Tobacco Ointment

Take of Tobacco, in fine powder, half a troyounce;
Lard eight troyounces;
Water a sufficient quantity.

Moisten the Tobacco with a little Water, introduce it into a conical glass percolator, and, having pressed it firmly, pour Water upon it until four fluidounces of filtered liquid have passed. Evaporate this to the consistence of a soft extract, and mix it thoroughly with the Lard.

Phil.
1830

UNGUENTUM VERATRI ALBI

Ointment of White Hellebore.

Take of White Hellebore, in powder, two ounces;
Oil of Lemons twenty minims;
Lard eight ounces.

Mix them.

1840

UNGUENTUM VERATRI ALBI

Ointment of White Hellebore.

Take of White Hellebore, in powder, two ounces;
Oil of Lemons twenty minims;
Lard eight ounces.

Mix them.

1850

UNGUENTUM VERATRI ALBI

Ointment of White Hellebore.

Take of White Hellebore, in powder, two ounces;
Oil of Lemons twenty minims;
Lard eight ounces.

Mix them.

1860

UNGUENTUM VERATRIAE

Ointment of Veratria

Take of Veratria twenty grains;
Lard a troyounce.

Rub the Veratria with a little of the Lard; then add
the remainder, and thoroughly mix them.

1870

UNGUENTUM VERATRIAE

Veratria Ointment

Take of Veratria twenty grains;
Lard a troyounce.

Rub the Veratria with a little of the Lard; then add

1880

UNGUENTUM VERATRINAE

Veratrine Ointment

(Ung. Veratriae, Pharm., 1870.)

| | |
|--|----|
| Veratrine, four parts | 4 |
| Alcohol, six parts | 6 |
| Benzoinated Lard, ninety-six parts ... | 96 |

Rub the Veratrine with the Alcohol, in a warm mortar, until dissolved; then gradually add the Benzoinated Lard, and mix thoroughly.

1890

UNGUENTUM VERATRINAE

Veratrine Ointment

| | |
|--|----------------|
| Veratrine, four grammes | 4 Gm. |
| Olive Oil, six grammes | 6 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes. | <u>100</u> Gm. |

Rub the Veratrine with the Olive Oil, in a mortar; then gradually add the Benzoinated Lard, and mix thoroughly.

1900

UNGUENTUM VERATRINAE

Veratrine Ointment

| | |
|--|----------------|
| Veratrine, four grammes | 4 Gm. |
| Expressed Oil of Almond, six grammes. | 6 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes. | <u>100</u> Gm. |

Rub the Veratrine with the Expressed Oil of Almond, then gradually add the benzoinated Lard, and mix thoroughly.

1820

UNGUENTUM VERATRI VIRIDIS

Ointment of American Hellebore.

Take of **American** hellebore in powder, two ounces;
Lard, eight ounces.
Oil of lemons, twenty minims.

To the lard previously melted add the oil and powder,
continually stirring until cool.

In the same manner the ointment may be prepared of the
white hellebore.

Phil.

1830

UNGUENTUM VERATRI VIRIDIS

Ointment of American Hellebore.

Take of **American** hellebore in powder, two ounces;
Lard, eight ounces.
Oil of lemons, twenty minims.

Mix them.

N.Y.

1830

UNGUENTUM VERATRI VIRIDIS

Ointment of Green Hellebore

Take of **Green** Hellebore in powder, two ounces;
Lard, eight ounces,
Oil of lemons, twenty minims;

To the lard previously melted add the oil and powder,
continually stirring until cool.

In the same manner may be prepared the ointment of
white hellebore.

1820

UNGUENTUM ZINCI OXIDI IMPURI

Ointment of Impure Oxide of Zinc

Take of Lard, five parts.

Prepared impure oxide of zinc, one part.

To the melted lard add the zinc, and mix them together until cool.

Phil.

1830

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

Take of Oxide of Zinc an ounce;
Lard half a pound.

Mix them.

N.Y.

1830

UNGUENTUM ZINCI OXIDI IMPURI

Ointment of Impure Oxide of Zinc

Take of Lard, five parts.

Prepared impure oxide of zinc, one part.

To the melted lard add the zinc, and mix them together until cool.

1840

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

Take of Oxide of Zinc an ounce;
Lard six ounces.

Mix them.

1850

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

Take of Oxide of Zinc an ounce;
Lard six ounces.

Mix them.

1860

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

Take of Oxide of Zinc eighty grains;
Lard a troyounce.

Mix them.

1870

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

Take of Oxide of Zinc eighty grains;
Ointment of Benzoin four hundred grains.

Rub the Oxide of Zinc with the Ointment of Benzoin,
gradually added, until they are thoroughly mixed.

1880

UNGUENTUM ZINCI OXIDI

Ointment of Oxide of Zinc

| | |
|--------------------------------------|------------|
| Oxide of Zinc, twenty parts | 20 |
| Benzoinated Lard, eighty parts | 80 |
| To make one hundred parts ... | <u>100</u> |

Rub the Oxide of Zinc with twenty (20) parts of Benzoin-
ated Lard, previously melted, until the mixture is per-
fectly smooth; then add the remainder of the Benzoina-
ted Lard, and mix thoroughly.

1890

UNGUENTUM ZINCI OXIDI

Ointment of Zinc Oxide

| | |
|--|-----------------|
| Zinc Oxide, two hundred grammes | 200 Gm. |
| Benzoinated Lard, eight hundred grammes. | 800 Gm. |
| To make one thousand grammes.. | <u>1000 Gm.</u> |

Sift the Zinc Oxide, through a No. 20 sieve, upon the
surface of the Benzoinated Lard, previously melted, and
incorporate it by stirring, which is to be continued un-
til the Ointment is cool.

1900

UNGUENTUM ZINCI OXIDI

Ointment of Zinc Oxide

| | |
|--|-----------------|
| Zinc Oxide, in very fine powder, two hundred grammes | 200 Gm. |
| Benzoinated Lard, eight hundred grammes | 800 Gm. |
| To make one thousand grammes | <u>1000 Gm.</u> |

Rub the Zinc Oxide, which must be free from gritty particles, with an equal weight of the melted Benzoinated Lard, and with this incorporate the remainder of the the Benzoinated Lard, previously melted; if necessary, strain the Ointment while warm, and stir thoroughly until it congeals.

1910

UNGUENTUM ZINCI OXIDI

Ointment of Zinc Oxide

Ung. Zinc. Ox. Zinc Ointment

| | |
|--|-----------------|
| Zinc Oxide, in very fine powder, two hundred grammes | 200 Gm. |
| Benzoinated Lard, eight hundred grammes | 800 Gm. |
| To make one thousand grammes | <u>1000 Gm.</u> |

Rub the zinc oxide which must be free from gritty particles, with about one-fourth of the melted benzoinated lard, in a previously warmed container, and with this incorporate the remainder of the benzoinated lard, previously melted. If necessary, strain the Ointment while warm, and stir it thoroughly until it congeals.

1920

UNGUENTUM ZINCI OXIDI

Ointment of Zinc Oxide

Ung. Zinc. Ox.--Zinc Ointment

| | |
|---------------------------------------|----------------|
| Zinc Oxide, in very fine powder | 20 Gm. |
| Paraffin | 15 Gm. |
| White Petrolatum | 65 Gm. |
| To make about | <u>100</u> Gm. |

Rub the zinc oxide, which must be free from gritty particles, with about one-fourth of the melted paraffin and white petrolatum in a previously warmed container, and with this incorporate the remainder of the melted mixture. If necessary, strain the Ointment while warm and stir until it congeals.

1930

UNGUENTUM ZINCI OXIDI

Zinc Oxide Ointment

Ung. Zinc. Oxid.--Zinc Oint.

Zinc Oxide Ointment contains not less than 19 per cent and not more than 21 per cent of Zn O.

| | |
|---------------------------------------|----------------|
| Zinc Oxide, in very fine powder | 20 Gm. |
| Liquid Petrolatum | 10 Gm. |
| Wool Fat | 5 Gm. |
| White Wax | 5 Gm. |
| White Petrolatum | 60 Gm. |
| To make | <u>100</u> Gm. |

Mix the wool fat and the liquid petrolatum, and thoroughly levigate the zinc oxide with this mixture. Melt together the white wax and white petrolatum, allow the mixture to cool until it becomes a soft mass, and then thoroughly incorporate the zinc oxide mixture.

Assay- Weigh accurately in a tared porcelain dish about 2 Gm. of Zinc Oxide Ointment, heat it slowly until melted, and continue the heating, gradually raising the temperature until the mass is thoroughly charred. Cool, break up the charred mass with a stout glass rod, add 10 cc. of distilled water and 5 cc. hydrochloric acid and heat on the water bath for one-half hour. Filter and wash the filter thoroughly with distilled water. Dilute the filtrate to 150 cc., add ammonia T.S. until the precipitate first formed is redissolved and then pass hydrogen sulfide through the mixture until the zinc is completely precipitated. After allowing it to stand for about one hour, filter the precipitated zinc sulfide and wash it a few times with water containing a little ammonium sulfide. Dissolve the precipitate of zinc sulfide from the filter by pouring over the edges of the filter hot diluted hydrochloric acid in small portions at a time. Wash the filter thoroughly with small quantities of hot distilled water, receiving the filtrate and washings in a tared porcelain dish. Evaporate the filtrate on the water bath to about 2 cc. then add to it 3 Gm of yellow mercuric oxide, previously mixed with about 15 cc. of distilled water. Evaporate the mixture to dryness and carefully ignite the residue under a hood to constant weight. The weight of the zinc oxide thus obtained, corrected for any non-volatile matter contained in 3 Gm. of the mercuric oxide, corresponds to not less than 19 per cent and to not more than 21 per cent of the weight of the Ointment taken for the assay.

UNGUENTUM ZINCI STEARATIS

Ointment of Zinc Stearate

| | |
|---|----------------|
| Zinc Stearate, in fine powder, fifty grammes .. | 50 Gm. |
| White Petrolatum, fifty grammes | 50 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

To the White Petrolatum, melted on a water-bath, add the Zinc Stearate. Continue the heat until the mixture becomes smooth, then stir while cooling, until it congeals.

There have been 49 different ointments official in all of the United States Pharmacopoeias to date. Of these, 10 have appeared but once, while 5 have appeared in all of the U.S.P.'s.

It is interesting to note that 12 of the ointments which have been dropped from the U.S.P.'s have appeared in the N.F.'s.

Another point of interest is that of the 16 ointments official in the U.X.P.XI., 10 have official assays given.

United States Pharmacopoeias No. of Ointments

| | | |
|-------|------|----|
| | 1820 | 19 |
| Phil. | 1830 | 18 |
| N.Y. | 1830 | 19 |
| | 1840 | 22 |
| | 1850 | 25 |
| | 1860 | 23 |
| | 1870 | 29 |
| | 1880 | 26 |
| | 1890 | 23 |
| | 1900 | 24 |
| | 1910 | 20 |
| | 1920 | 18 |
| | 1930 | 16 |

N.F. UNGUENTUM ACIDI BENZOICI COMPOSITUM
VI.

Compound Ointment of Benzoic Acid

Ung. Acid. Benz. Co. Whitfield's Ointment

| | |
|--|----------------|
| Benzoic Acid | 12 Gm. |
| Salicylic Acid | 6 Gm. |
| Wool Fat | 5 Gm. |
| White Petrolatum, a sufficient quantity, | |
| To make | <u>100</u> Gm. |

Powder the acids very finely, and incorporate them with the wool fat and a portion of the petrolatum until a smooth homogeneous mixture is obtained. Add the remainder of the petrolatum and mix intimately.

Note: Compound Ointment of Benzoic Acid may be diluted by incorporating into the Ointment a sufficient quantity of white petrolatum to obtain the desired concentration.

When diluted, it must be labeled "Not N.F.," and the concentration of the benzoic acid and the salicylic acid must be stated on the label.

N.F.
II.

UNGUENTUM ACIDI GALLICI

(U.S.P., 1880.)

Ointment of Gallic Acid

| | |
|---|--------|
| Gallic Acid, ten grammes | 10 Gm. |
| Benzoinated Lard (U.S.P.), ninety grammes ... | 90 Gm. |

Rub the Gallic Acid with the Benzoinated Lard, gradually added, until they are thoroughly mixed, avoiding the use of an iron spatula.

N.F.
I.

UNGUENTUM CALAMINAE

Calamine Ointment

Ung. Zinci Car. (Impuri). Ung. Calaminare

Turner's Cerate

| | |
|-------------------------|----------|
| Prepared Calamine | 1 part. |
| Ointment (U.S.P.) | 5 parts. |

Mix them intimately, by trituration, so as to produce a smooth and homogeneous ointment.

N.F.
II.

UNGUENTUM CALAMINAE

Calamine Ointment

Ung. Zinci Car. (Impuri). Ung. Calaminare

Turner's Cerate

| | |
|--|----------|
| Prepared Calamine, sixteen and one-half grammes | 16.5 Gm. |
| Ointment (U.S.P.), eighty-three and one-half grammes | 83.5 Gm. |

Mix them intimately, by trituration, so as to produce a smooth and homogeneous ointment.

N.F.
III.

UNGUENTUM CALAMINAE

Calamine Ointment

Ung. Zinci Car. (Impuri). Ung. Calaminare

Turner's Cerate

| | |
|-------------------------|----------|
| Prepared Calamine | 1 part. |
| Ointment (U.S.P.) | 5 parts. |

Mix them intimately, by trituration, so as to produce a smooth and homogeneous ointment.

N.F.
IV.

UNGUENTUM CALAMINAE

Calamine Ointment

Ung. Calamin.

Ung. Zinci Car. Crudi Ung. Cal. Turner's Cerate.

| | |
|--|----------------|
| Prepared Calamine, seventeen grammes | 17 Gm. |
| Ointment, eighty-three grammes | 83 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Mix the prepared calamine intimately with the ointment, by trituration, so as to produce a smooth and homogeneous product.

N.F.
V.

UNGUENTUM CALAMINAE

Calamine Ointment

Ung. Calamin. Ung. Calaminare Turner's Cerate.

| | |
|--|----------------|
| Prepared Calamine, in very fine powder | 17 Gm. |
| Ointment | 83 Gm. |
| To make | <u>100</u> Gm. |

Mix the prepared calamine intimately with the ointment, by trituration, so as to produce a smooth and homogeneous product.

N.F.
VI.

UNGUENTUM CALAMINAE

Ointment of Calamine

Ung. Calam. Ung. Calaminare Turner's Cerate.

| | |
|-------------------------|----------------|
| Prepared Calamine | 17 Gm. |
| Yellow Wax | 4 Gm. |
| Wool Fat | 4 Gm. |
| Petrolatum | 75 Gm. |
| To make | <u>100</u> Gm. |

Melt the yellow wax with the wool fat and petrolatum.

Mix the prepared calamine intimately with the melted mixture so as to produce a smooth, homogeneous ointment.

N.F.
I.

UNGUENTUM CAMPHORAE

Camphor Ointment

Unguentum Camphoratum

| | |
|---------------------------------|----------|
| Camphor, in coarse powder | 2 parts. |
| White Wax | 1 part. |
| Lard | 6 parts. |

Melt the White Wax and Lard with a gentle heat then add the Camphor, and stir the ointment until it is cold.

N.F.
II.

UNGUENTUM CAMPHORAE

Camphor Ointment

Unguentum Camphoratum

| | |
|--|--------|
| Camphor, in coarse powder, twenty-two grammes .. | 22 Gm. |
| White Wax, eleven grammes | 11 Gm. |
| Lard, sixty-seven grammes | 67 Gm. |

Melt the White Wax and Lard with a gentle heat, then add the Camphor, and stir the Ointment until it is cold.

N.F.
III.

UNGUENTUM CAMPHORAE

Camphor Ointment

Unguentum Camphoratum

| | |
|---------------------------------|----------|
| Camphor, in coarse powder | 2 parts. |
| White Wax | 1 part. |
| Lard | 6 parts. |

Melt the White Wax and Lard with a gentle heat then add the Camphor, and stir the ointment until it is cold.

N.F.
IV.

UNGUENTUM CAMPHORAE

Camphor Ointment

Ung. Camph.

| | |
|--|----------------|
| Camphor, in coarse powder, twenty-two grammes .. | 22 Gm. |
| White Wax, eleven grammes | 11 Gm. |
| Lard, sixty-seven grammes | 67 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Melt the white wax and lard with a gentle heat, then dissolve the camphor in the melted mixture without further heating and stir the ointment until it is cold.

N.F.
V.

UNGUENTUM CAMPHORAE

Camphor Ointment

Ung. Camph.

| | |
|---------------------------------|----------------|
| Camphor, in coarse powder | 22 Gm. |
| White Wax | 11 Gm. |
| Lard | 67 Gm. |
| To make | <u>100</u> Gm. |

Melt the white wax and lard on a water bath, then dissolve the camphor in the melted mixture without further heating, and stir the ointment until it is cold.

N.F.
VI.

UNGUENTUM CAMPHORAE

Ointment of Camphor

Ung. Camph.

| | |
|---------------------------------|----------------|
| Camphor, in coarse powder | 22 Gm. |
| White Wax | 22 Gm. |
| Lard | 56 Gm. |
| | <u>100</u> Gm. |

Melt the white wax and lard on a water bath; then dissolve the camphor in the melted mixture without further heating, and stir the Ointment until it is cold.

N.F.
V.

UNGUENTUM CAPSICI

Capsicum Ointment

Ung. Capsic.

| | |
|-----------------------------|----------------|
| Oleoresin of Capsicum | 5 Gm. |
| Paraffin | 10 Gm. |
| Petrolatum | 85 Gm. |
| To make | <u>100</u> Gm. |

Melt the paraffin, add the petrolatum, and continue the heat until the whole is liquefied. Then remove from the heat, add the oleoresin of capsicum, mix thoroughly, and stir frequently until the ointment congeals.

N.F.
VI.

UNGUENTUM CAPSICI

Ointment of Capsicum

Ung. Capsic.

| | |
|-----------------------------|----------------|
| Oleoresin of Capsicum | 5 Gm. |
| Paraffin | 10 Gm. |
| Petrolatum | 85 Gm. |
| To make | <u>100</u> Gm. |

Melt the paraffin, add the petrolatum, and continue the heat until completely liquefied. Then remove from the heat, add the oleoresin of capsicum, mix thoroughly, and stir frequently until the ointment congeals.

N.F.
I.

UNGUENTUM FUSCUM

Brown Ointment

Unguentum Matris. Mother's Salve.

| | |
|--|----------|
| Camphorated Brown Plaster (N.F.) | 2 parts. |
| Olive Oil | 1 part. |
| Suet | 1 " |

Melt them together, and stir the mass until it is cold.

N.F.
II.

UNGUENTUM FUSCUM

Brown Ointment

Unguentum Matris. Mother's Salve.

| | |
|---|--------|
| Camphorated Brown Plaster (F. 119), fifty grammes | 50 Gm. |
| Olive Oil, twenty-five grammes | 25 Gm. |
| Suet, twenty-five grammes | 25 Gm. |

Melt them together, and stir the mass until it is cold.

N.F.
III.

UNGUENTUM FUSCUM

Brown Ointment

Unguentum Matris. Mother's Salve.

| | |
|--|----------|
| Camphorated Brown Plaster (N.F.) | 2 parts. |
| Olive Oil | 1 part. |
| Suet | 1 " |

Melt them together, and stir the mass until it is cold.

N.F.
IV.

UNGUENTUM FUSCUM

Brown Ointment

Ung. Fusc. Ung. Matris Mother's Salve

| | |
|--|----------------|
| Camphorated Brown Plaster, fifty grammes | 50 Gm. |
| Olive Oil, twenty-five grammes | 25 Gm. |
| Prepared Suet, twenty-five grammes | 25 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Melt together the several ingredients and stir the ointment until it is cold.

N.F.
V.

UNGUENTUM FUSCUM

Brown Ointment

Ung. Fusc. Ung. Matris Mother's Salve

| | |
|---------------------------------|----------------|
| Camphorated Brown Plaster | 50 Gm. |
| Olive Oil | 25 Gm. |
| Prepared Suet | 25 Gm. |
| To make | <u>100</u> Gm. |

Melt together the several ingredients and stir the ointment until it congeals.

N.F. UNGUENTUM HYDRARGYRI CHLORIDI MITIS
V.

Ointment of Mild Mercurous Chloride

Ung. Hydrarg. Chlor. Mit.

Prophylactic Oint. Calomel Oint.

| | |
|-------------------------------|----------------|
| Mild Mercurous Chloride | 30 Gm. |
| White Petrolatum | 70 Gm. |
| To make | <u>100</u> Gm. |

Mix them intimately.

N.F. UNGUENTUM HYDRARGYRI CHLORIDI MITIS
VI.

Ointment of Mild Mercurous Chloride

Ung. Hydrarg. Chlorid. Mit. Calomel Oint.

| | |
|-------------------------------|----------------|
| Mild Mercurous Chloride | 30 Gm. |
| Hydrous Wool Fat | 35 Gm. |
| White Petrolatum | 35 Gm. |
| To make | <u>100</u> Gm. |

Mix them intimately.

N.F.
V.

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Mercuric Nitrate

(U.S.P. IX)

Ung. Hydrarg. Nit. Citrine Ointment

| | |
|-----------------------------|----------------|
| Mercury | 7.0 Gm. |
| Nitric Acid | 17.5 Gm. |
| Lard, free from water | 76.0 Gm. |
| To make about | <u>100</u> Gm. |

Warm the lard in a capacious porcelain dish until it has just melted, or to about 45° C. Add 7 Gm. of the nitric acid all at once and continue the heat until the characteristic reaction is complete. Hold an inverted glass funnel over the dish during the reaction. Withdraw the heat immediately after the rapid rise of froth which accompanies the end reaction and cool the treated lard, stirring it until it assumes a bright citrine color. Dissolve the mercury in the remainder of the nitric acid, warming it if necessary to prevent crystallizing, and mix the solution with the previously prepared lard. All contact with metallic utensils or containers must be avoided.

N.F.
VI.

UNGUENTUM HYDRARGYRI NITRATIS

Ointment of Mercuric Nitrate

Ung. Hydrarg. Nit. Citrine Ointment

| | |
|-----------------------------|----------------|
| Mercury | 7.0 Gm. |
| Nitric Acid | 17.0 Gm. |
| Lard, free from water | 76.0 Gm. |
| About | <u>100</u> Gm. |

Warm the lard in a capacious porcelain dish until it has just melted, or to about 45° C. Add 7 Gm. of the nitric acid all at once and continue the heat until the characteristic reaction is complete. Hold an inverted glass funnel over the dish during the reaction. Withdraw the heat immediately after the rapid rise of froth which accompanies the end reaction and cool the treated lard, stirring it until it assumes a bright citrine color. Dissolve the mercury in the remainder of the nitric acid, warming it if necessary to prevent crystallizing, and mix the solution with the previously prepared lard. All contact with metallic utensils or containers must be avoided.

N.F. UNGUENTUM HYDRARGYRI OXIDI RUBRI
IV.

Ointment of Red Mercuric Oxide

(U.S.P. VIII.)

Ung. Hydrarg. Oxid. Rub.

| | |
|--|----------------|
| Red Mercuric Oxide, in very fine powder, ten grammes | 10 Gm. |
| Water, ten milliliters..... | 10 mil. |
| Hydrous Wool Fat, forty grammes..... | 40 Gm. |
| Petrolatum, forty grammes..... | 40 Gm. |
| To make one hundred grammes..... | <u>100</u> Gm. |

Triturate the red mercuric oxide with the water until the mixture is smooth and absolutely free from gritty particles, then add the hydrous wool fat in divided portions, and incorporate thoroughly with the petrolatum. Contact with metallic utensils should be avoided.

N.F. UNGUENTUM HYDRARGYRI OXIDI RUBRI
V.

Ointment of Red Mercuric Oxide

Ung. Hydrarg. Oxid. Rub.

| | |
|--|----------------|
| Red Mercuric Oxide, in very fine powder..... | 10 Gm. |
| Water..... | 10 cc. |
| Hydrous Wool Fat..... | 40 Gm. |
| Petrolatum..... | 40 Gm. |
| To make..... | <u>100</u> Gm. |

Triturate the red mercuric oxide with the water until the mixture is smooth and absolutely free from gritty particles, then add the hydrous wool fat in divided portions, and finally incorporate thoroughly with the petrolatum. Contact with metallic utensils must be avoided.

N.F.
VI.

UNGUENTUM HYDRARGYRI OXIDI RUBRI

Ointment of Red Mercuric Oxide

Ung. Hydrarg. Oxid. Rub.

| | |
|--|----------------|
| Red Mercuric Oxide, in very fine powder..... | 10 Gm. |
| Liquid Petrolatum..... | 5 Gm. |
| Yellow Wax..... | 5 Gm. |
| Wool Fat..... | 30 Gm. |
| Petrolatum..... | 50 Gm. |
| To make | <u>100</u> Gm. |

Triturate the red mercuric oxide with the liquid petrolatum until the mixture is smooth and absolutely free from gritty particles; then incorporate the wool fat in divided portions, and finally incorporate this mixture thoroughly with the mixture of yellow wax and petrolatum, previously melted and cooled. Contact with metallic utensils must be avoided.

N.F. UNGUENTUM BITUMINIS SULPHONATI
V.

Ointment of Sulphonated Bitumen

Ung. Bitum. Sulphon.

| | |
|---------------------------|----------------|
| Sulphonated Bitumen | 10 Gm. |
| Petrolatum | 90 Gm. |
| To make | <u>100</u> Gm. |

Thoroughly incorporate the sulphonated bitumen with the petrolatum.

N.F. UNGUENTUM ICHTHAMMOLIS
VI.

Ointment of Ichthammol

Ung. Ichtham. Unguen. Bitum. Sulphon., N.F. V.

| | |
|-----------------|----------------|
| Ichthammol..... | 10 Gm. |
| Petrolatum..... | 90 Gm. |
| To make | <u>100</u> Gm. |

Thoroughly incorporate the ichthammol with the petrolatum.

N.F. UNGUENTUM IODI DENIGRESCENS

V. Stainless Iodine Ointment

Ung. Iod. Denig.

| | |
|--|-----------------|
| Iodine, in moderately coarse powder..... | 50 Gm. |
| Paraffin | 50 Gm. |
| Oleic Acid | 200 Gm. |
| Petrolatum | 700 Gm. |
| To make about | <u>1000</u> Gm. |

Dissolve the iodine in the oleic acid by aid of heat, not exceeding 70° C. Add the paraffin and continue the heat until the iodine is absorbed, as shown by the absence of a reddish color, then add the petrolatum, and when all is liquefied remove from the heat and stir frequently until it congeals.

N.F. UNGUENTUM IODATUM DENIGRESCENS

VI. Stainless Iodized Ointment

Ung. Iod. Denig. Ung. Iod. Denig., N.F.V.

| | |
|---|----------------|
| Iodine, in moderately coarse powder | 5 Gm. |
| Paraffin | 5 Gm. |
| Oleic Acid | 20 Gm. |
| Petrolatum | 70 Gm. |
| To make | <u>100</u> Gm. |

Dissolve the iodine in the oleic acid by the aid of heat, at about 65° C. Add the paraffin and continue heating at the same temperature until the iodine is absorbed, as shown by the absence of a reddish color; then add the petrolatum, and when all is liquefied, remove from the heat and stir frequently until it congeals. Contact with metallic utensils must be avoided.

Note: This Ointment improves upon standing for a week or ten days.

N.F.
II.

UNGUENTUM MEZEREI

(U.S.P., 1880.)

Mezereum Ointment

| | |
|--|--------|
| Fluid Extract of Mezereum (F. 170), twenty-five cubic centimeters..... | 25 Cc. |
| Lard, eighty grammes | 80 Gm. |
| Yellow Wax, twelve grammes | 12 Gm. |

Melt together the Lard and Wax with a moderate heat, add the Fluid Extract, and stir the mixture constantly until the Alcohol has evaporated; then continue to stir until cool.

N.F.
VI.

UNGUENTUM MENTHOLIS COMPOSITUM

Compound Ointment of Menthol

Ung. Menthol. Co. Analgesic Balm

Inunctum Mentholis Compositum, N.F. V.

| | |
|-------------------------|----------------|
| Menthol | 10 Gm. |
| Methyl Salicylate | 10 Gm. |
| White Wax | 5 Gm. |
| Hydrous Wool Fat | 75 Gm. |
| To make | <u>100</u> Gm. |

Melt the white wax with the hydrous wool fat on a water bath. Dissolve the menthol in the methyl salicylate, add it to the melted mixture, and stir until it congeals.

Storage.

Keep the Ointment in collapsible metal tubes, well-sealed, or in small, tightly stoppered, wide-mouthed containers.

N.F.
VI.

UNGUENTUM PICIS CARBONIS

Ointment of Coal Tar

Ung. Pic. Carbon.

| | |
|---------------------------|----------------|
| Coal Tar | 5 Gm. |
| Paste of Zinc Oxide | 95 Gm. |
| To make | <u>100</u> Gm. |

Thoroughly incorporate the coal tar into the paste.

Note: If desired by the physician, the Ointment may be made with washed coal tar. To wash the coal tar, stir or agitate it with about five times its volume of distilled water, then pour off the separated water. The process may be repeated a number of times. The coal tar may then be dried by heating on a water bath.

N.F.
I.

UNGUENTUM PICIS COMPOSITUM

Compound Tar Ointment

| | |
|---------------------------|----------|
| Oil of Tar | 4 parts. |
| Tincture of Benzoin | 2 " |
| Oxide of Zinc | 3 " |
| Yellow Wax | 26 " |
| Lard | 32 " |
| Cottonseed Oil | 35 " |

Melt the Yellow Wax and Lard with the Cotton Seed Oil at a gentle heat. Add the Tincture of Benzoin, and continue heating until all the Alcohol has evaporated. Then withdraw the heat, add the Oil of Tar, and finally the Oxide of Zinc, incorporating the latter thoroughly, so that on cooling, a smooth, homogeneous ointment may result.

N.F.
II.

UNGUENTUM PICIS COMPOSITUM

Compound Tar Ointment

| | |
|---|--------|
| Oil of Tar, four grammes | 4 Gm. |
| Tincture of Benzoin (U.S.P.), two cub. cent.... | 2 Cc. |
| Oxide of Zinc, three grammes | 3 Gm. |
| Yellow Wax, twenty-six grammes | 26 Gm. |
| Lard, thirty-two grammes | 32 Gm. |
| Cotton Seed Oil, thirty-five grammes..... | 35 Gm. |

Melt the Yellow Wax and Lard with the Cotton Seed Oil at a gentle heat. Add the Tincture of Benzoin, and continue heating until all the Alcohol has evaporated. Then withdraw the heat, add the Oil of Tar, and finally the Oxide of Zinc, incorporating the latter thoroughly, so that on cooling, a smooth, homogeneous ointment may result.

N.F.
III.

UNGUENTUM PICIS COMPOSITUM

Compound Tar Ointment

| | |
|------------------------------------|----------|
| Oil of Tar | 4 parts. |
| Tincture of Benzoin (U.S.P.) | 2 parts. |
| Zinc Oxide | 3 " |
| Yellow Wax | 25 " |
| Lard | 32 " |
| Cotton Seed Oil | 35 " |

Melt the Yellow Wax and Lard with the Cotton Seed Oil at a gentle heat. Add the Tincture of Benzoin, and continue heating until all the Alcohol has evaporated. Then withdraw the heat, add the Oil of Tar, and finally the Zinc Oxide, incorporating the latter thoroughly, so that on cooling, a smooth, homogeneous ointment may result.

N.F.
IV.

UNGUENTUM PICIS COMPOSITUM

Compound Tar Ointment

Ung. Pic. Co.

| | |
|---|----------------|
| Rectified Oil of Tar, four grammes | 4 Gm. |
| Tincture of Benzoin, two grammes | 2 Gm. |
| Zinc Oxide, three grammes | 3 Gm. |
| Yellow Wax, twenty-five grammes | 25 Gm. |
| Lard, thirty-two grammes | 32 Gm. |
| Cottonseed Oil, thirty-four grammes | 34 Gm. |
| To make one hundred grammes ... | <u>100</u> Gm. |

Melt the yellow wax and lard with the cottonseed oil at a gentle heat, and add the tincture of benzoin. Then withdraw the heat, add the rectified oil of tar, and finally the zinc oxide, and incorporate the latter thoroughly, so that, on cooling, a smooth, homogeneous ointment results.

N.F.
V.

UNGUENTUM PICIS COMPOSITUM

Compound Tar Ointment

Ung. Pic. Co.

| | |
|----------------------------|-----------------|
| Rectified Oil of Tar | 40 Gm. |
| Tincture of Benzoin | 20 Gm. |
| Zinc Oxide | 30 Gm. |
| Yellow Wax | 250 Gm. |
| Lard | 320 Gm. |
| Cottonseed Oil | 340 Gm. |
| To make | <u>1000</u> Gm. |

Melt the yellow wax and lard with the cottonseed oil at a gentle heat, and add the tincture of benzoin. Then withdraw the heat, add the rectified oil of tar, and finally the zinc oxide, and incorporate the latter thoroughly, so that on cooling a smooth, homogeneous ointment results.

N.F.
VI.

UNGUENTUM PICIS COMPOSITUM

Compound Ointment of Tar

Ung. Pic. Co.

| | |
|----------------------------|----------------|
| Rectified Oil of Tar | 4 Gm. |
| Tincture of Benzoin | 2 Gm. |
| Zinc Oxide | 3 Gm. |
| Yellow Wax | 25 Gm. |
| Lard | 32 Gm. |
| Cottonseed Oil | 34 Gm. |
| To make | <u>100</u> Gm. |

Melt the yellow wax and lard with the cottonseed oil at a gentle heat, and add the tincture of benzoin. Then withdraw the heat, add the rectified oil of tar, and incorporate this mixture gradually with the zinc oxide so that when cool, a smooth homogeneous ointment results.

N.F.
IV.

UNGUENTUM PLUMBI IODIDI

Ointment of Lead Iodide

Ung. Plumb. Iod.

| | |
|---|----------------|
| Lead Iodide, in very fine powder, ten grammes | 10 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes .. | <u>100 Gm.</u> |

Rub the lead iodide with the benzoinated lard, gradually added, until they are thoroughly mixed.

N.F.
V.

UNGUENTUM PLUMBI IODIDI

Ointment of Lead Iodide

Ung. Plumb. Iod.

| | |
|--|----------------|
| Lead Iodide, in very fine powder | 10 Gm. |
| Benzoinated Lard | 90 Gm. |
| To make | <u>100 Gm.</u> |

Rub the lead iodide with the benzoinated lard, gradually added, until they are thoroughly mixed.

N.F.
VI.

UNGUENTUM PLUMBI OLEATIS

Ointment of Lead Oleate

Ung. Plumb. Oleat. Unguentum Diachylon

| | |
|------------------------------|----------------|
| Plaster of Lead Oleate | 50 Gm. |
| Oil of Lavender | 1 Gm. |
| White Petrolatum | 49 Gm. |
| To make about | <u>100</u> Gm. |

Melt together the plaster of lead oleate and the white petrolatum with gentle heat; then strain the mixture, allow it to cool but not congeal, add the oil of lavender, and stir the Ointment until it is cold,

N.F.
IV.

UNGUENTUM POTASSII IODIDI

Ointment of Potassium Iodide

(Replacing U.S.P. VIII.).

Ung. Pot. Iod.

| | |
|--|----------------|
| Potassium Iodide, ten grammes | 10 Gm. |
| Sodium Thiosulphate, one gramme | 1 Gm. |
| Water, nine grammes | 9 Gm. |
| Benzoinated Lard, eighty grammes | 80 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Dissolve the potassium iodide and sodium thiosulfate in the water, then add the benzoinated lard and incorporate thoroughly. This ointment should not be dispensed unless it has been freshly prepared.

N.F.
V.

UNGUENTUM POTASSII IODIDI

Ointment of Potassium Iodide

Ung. Pot. Iod.

| | |
|---------------------------|----------------|
| Potassium Iodide | 10 Gm. |
| Sodium Thiosulphate | 1 Gm. |
| Water | 9 Gm. |
| Benzoinated Lard | 80 Gm. |
| To make | <u>100</u> Gm. |

Dissolve the potassium iodide and the sodium thiosulphate in the water, then add the benzoinated lard, and incorporate thoroughly. This ointment should not be dispensed unless it has been freshly prepared.

N.F.
VI.

UNGUENTUM POTASSII IODIDI

Ointment of Potassium Iodide

Ung. Pot. Iodid.

| | |
|--------------------------|----------------|
| Potassium Iodide | 10 Gm. |
| Sodium Thiosulfate | 1 Gm. |
| Distilled Water | 9 Gm. |
| Wool Fat | 5 Gm. |
| White Wax | 5 Gm. |
| Petrolatum | 70 Gm. |
| To make | <u>100 Gm.</u> |

Melt the white wax, wool fat, and petrolatum at a gentle heat. Dissolve the potassium iodide and sodium thiosulfate in the water and incorporate it thoroughly with the previously cooled mixture.

Note: This Ointment should not be dispensed unless it has been freshly prepared.

N.F. UNGUENTUM RESORCINI COMPOSITUM
III.

Compound Resorcin Ointment

"Soothing Ointment"

| | |
|---------------------------|-----------|
| Resorcinol (U.S.P.) | 6 parts. |
| Zinc Oxide | 6 parts. |
| Bismuth Subnitrate | 6 parts. |
| Oil of Cade | 12 parts. |
| Paraffin | 10 parts. |
| Petrolatum | 25 parts. |
| Hydrous Wool Fat | 35 parts. |

Triturate the Resorcinol, Zinc Oxide, and Bismuth Subnitrate, with a small quantity of the Hydrous Wool Fat, until a perfectly smooth mixture is obtained. Incorporate this with the remainder of the Wool Fat, add the Paraffin and Petrolatum, previously melted together, and lastly, the Oil of Cade. Mix intimately, and preserve the Ointment in containers protected from the light.

N.F. UNGUENTUM RESORCINOLIS COMPOSITUM
IV.

Compound Resorcinol Ointment

Ung. Resorcin Co. Ung. Resorcini Co., N.F. III.

| | |
|---|---------|
| Resorcinol, six grammes | 6 Gm. |
| Zinc Oxide, six grammes | 6 Gm. |
| Bismuth Subnitrate, six grammes | 6 Gm. |
| Rectified Oil of Birch Tar, six grammes | 6 Gm. |
| Yellow Wax, ten grammes | 10 Gm. |
| Petrolatum, twenty-five grammes | 25 Gm. |
| Wool Fat, twenty-eight grammes | 28 Gm. |
| Glycerin, thirteen grammes | 13 Gm. |
| To make one hundred grammes | 100 Gm. |

Melt the yellow wax and anhydrous wool fat in a dish on a water bath. Rub the zinc oxide and bismuth subnitrate with the petrolatum until smooth and add it to the melted mixture. Dissolve the resorcinol in the glycerin, incorporate the solution with the warm mixture just prepared,

then add the oil and stir the ointment until it is cold.

N.F.
V. UNGUENTUM RESORCINOLIS COMPOSITUM

Compound Resorcinol Ointment

Ung. Resorcin. Co. Ung. Resorcini Co.

| | |
|----------------------------------|-----------------|
| Resorcinol | 60 Gm. |
| Zinc Oxide | 60 Gm. |
| Bismuth Subnitrate | 60 Gm. |
| Rectified Oil of Birch Tar | 60 Gm. |
| Yellow Wax | 100 Gm. |
| Petrolatum | 250 Gm. |
| Wool Fat | 280 Gm. |
| Glycerin | 130 Gm. |
| To make | <u>1000 Gm.</u> |

Melt the yellow wax and wool fat in a dish on a water bath. Rub the zinc oxide and bismuth subnitrate with the petrolatum until smooth and add it to the melted mixture. Dissolve the resorcinol in the glycerin, incorporate the solution with the warm mixture just prepared, then add the oil and stir the ointment until it congeals.

N.F.
VI. UNGUENTUM RESORCINOLIS COMPOSITUM

Compound Ointment of Resorcinol

Ung. Resorcin. Co.

| | |
|----------------------------------|----------------|
| Resorcinol | 6 Gm. |
| Zinc Oxide | 6 Gm. |
| Bismuth Subnitrate | 6 Gm. |
| Rectified Oil of Birch Tar | 6 Gm. |
| Yellow Wax | 10 Gm. |
| Petrolatum | 25 Gm. |
| Wool Fat | 28 Gm. |
| Glycerin | 13 Gm. |
| To make | <u>100 Gm.</u> |

Melt the yellow wax and wool fat in a dish on a water bath. Rub the zinc oxide and bismuth subnitrate with the petrolatum until smooth, and add it to the melted

Mixture. Dissolve the resorcinol in the glycerin; incorporate the solution with the warm mixture just prepared; then add the rectified oil of birch tar, and stir the Ointment until it congeals.

N.F.
VI.

UNGUENTUM RUBRI SCARLATINI

Ointment of Scarlet Red

Ung. Rub. Scar.

| | |
|-------------------|----------------|
| Scarlet Red | 5 Gm. |
| Olive Oil | 5 Gm. |
| Wool Fat | 40 Gm. |
| Petrolatum | 50 Gm. |
| To make | <u>100</u> Gm. |

Triturate the scarlet red with the olive oil in a glass mortar until perfectly smooth, incorporate the wool fat and the petrolatum, and mix thoroughly.

N.F.
V.

UNGUENTUM SINAPIS

Mustard Ointment

Ung. Sinap. Ointment of Oil of Mustard

| | |
|-------------------------------|----------------|
| Volatile Oil of Mustard | 2 Gm. |
| White Wax | 15 Gm. |
| Lard | 83 Gm. |
| To make | <u>100</u> Gm. |

Melt the white wax, add the lard and heat gently until liquefied. Remove from the heat, stir the mixture until it begins to congeal, then add the volatile oil of mustard and continue the stirring until the ointment congeals.

N.F.
VI.

UNGUENTUM SINAPIS

Ointment of Mustard

Ung. Sinap. Ointment of Oil of Mustard

| | |
|-------------------------------|----------------|
| Volatile Oil of Mustard | 2 Gm. |
| White Wax | 15 Gm. |
| Lard | 83 Gm. |
| To make | <u>100</u> Gm. |

Melt the white wax, add the lard, and heat gently until liquefied. Remove from the heat, and stir the mixture until it begins to congeal; then add the volatile oil of mustard, and continue the stirring until the Ointment congeals.

N.F.
V.

UNGUENTUM STRAMONII

Stramonium Ointment

(U.S.P. IX)

| | |
|-------------------------------------|----------------|
| Pilular Extract of Stramonium | 10 Gm. |
| Diluted Alcohol | 5 cc. |
| Hydrous Wool Fat | 20 Gm. |
| Benzoinated Lard | 65 Gm. |
| To make | <u>100</u> Gm. |

Triturate the extract with the diluted alcohol until a smooth mixture is obtained; with this incorporate the hydrous wool fat, then add the benzoinated lard, and mix thoroughly.

N.F.
VI.

UNGUENTUM STRAMONII

Ointment of Stramonium

Ung. Stramon.

| | |
|-------------------------------------|----------------|
| Pilular Extract of Stramonium | 10 Gm. |
| Diluted Alcohol | 5 Gm. |
| Wool Fat | 5 Gm. |
| Yellow Wax | 5 Gm. |
| Petrolatum | 75 Gm. |
| To make | <u>100</u> Gm. |

Triturate the pilular extract of stramonium with the diluted alcohol until a smooth mixture is obtained; incorporate the wool fat thoroughly with this mixture; then add the mixture of yellow wax and petrolatum, previously melted and cooled, and mix thoroughly.

N.F. UNGUENTUM SULPHURIS ALKALINUM

II.

(U.S.P., 1880.)

Alkaline Sulphur Ointment

| | |
|--|--------|
| Washed Sulphur, twenty grammes | 20 Gm. |
| Potassium Carbonate, ten grammes | 10 Gm. |
| Water, five cubic centimeters | 5 Cc. |
| Benzoinated Lard (U.S.P.), sixty-five grammes. | 65 Gm. |

Rub the Sulphur with the Potassium Carbonate and the water, gradually add the Benzoinated Lard, and mix thoroughly.

N.F. UNGUENTUM SULPHURIS ALKALINUM

IV.

Alkaline Sulphur Ointment

Ung. Sulphur. Alk.

| | |
|--|----------------|
| Sublimed Sulfur, twenty grammes | 20 Gm. |
| Potassium Carbonate, ten grammes | 10 Gm. |
| Water, five milliliters | 5 mils |
| Benzoinated Lard, sixty-five grammes | 65 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Rub the sulphur with the potassium carbonate and the water, until a smooth, homogeneous mixture results, then gradually add the benzoinated lard, and mix thoroughly.

N.F. UNGUENTUM SULPHURIS ALKALINUM

V.

Alkaline Sulphur Ointment

Ung. Sulphur. Alk.

| | |
|---------------------------|----------------|
| Sublimed Sulfur | 20 Gm. |
| Potassium Carbonate | 10 Gm. |
| Water | 5 cc. |
| Benzoinated Lard | 65 Gm. |
| To make | <u>100</u> Gm. |

Rub the sulphur with the potassium carbonate and the water, until a smooth homogeneous mixture results, then gradually add the benzoinated lard, and mix thoroughly.

N.F.
VI.

UNGUENTUM SULFURIS ALKALINUM

Alkaline Ointment of Sulfur

Ung. Sulfur. Alk.

| | |
|---------------------------|----------------|
| Sublimed Sulfur | 20 Gm. |
| Potassium Carbonate | 10 Gm. |
| Water | 5 Gm. |
| Wool Fat | 4 Gm. |
| Yellow Wax | 4 Gm. |
| Petrolatum | 57 Gm. |
| To make | <u>100</u> Gm. |

Rub the sulfur with the potassium carbonate and the water until a smooth homogeneous mixture results; incorporate the wool fat with this mixture; then add the mixture of yellow wax and petrolatum, previously melted and cooled, and mix thoroughly.

ted Calcium Carbonate.

N.F. UNGUENTUM SULPHURIS COMPOSITUM
IV.

Compound Sulphur Ointment

Ung. Sulphur Co. Wilkinson's Oint.

Hebra's Itch Oint.

| | |
|---|----------------|
| Precipitated Calcium Carbonate, ten grammes ... | 10 Gm. |
| Sublimed Sulphur, fifteen grammes | 15 Gm. |
| Oil of Cade, fifteen grammes | 15 Gm. |
| Soft Soap, thirty grammes | 30 Gm. |
| Lard, thirty grammes | 30 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Mix the lard with the soft soap and oil of cade, then gradually incorporate the sublimed sulphur and precipitated calcium carbonate and rub the ointment until it is smooth.

N.F. UNGUENTUM SULPHURIS COMPOSITUM
V.

Compound Sulphur Ointment

Ung. Sulphur. Co. Wilkinson's Oint.

Hebra's Itch Oint.

| | |
|--------------------------------------|----------------|
| Precipitated Calcium Carbonate | 10 Gm. |
| Sublimed Sulfur | 15 Gm. |
| Oil of Cade | 15 Gm. |
| Soft Soap | 30 Gm. |
| Lard | 30 Gm. |
| To make | <u>100</u> Gm. |

Melt the lard with the soft soap and oil of cade, then gradually incorporate the sublimed sulphur and precipitated calcium carbonate and rub the ointment until it is smooth.

N.F. UNGUENTUM SULPHURIS COMPOSITUM

I.

Compound Sulphur Ointment

Wilkinson's Oint. Hebra's Itch Oint.

| | |
|---|-----------|
| Precipitated Carbonate of Calcium | 10 parts. |
| Sublimed Sulphur | 15 " |
| Oil of Cade | 15 " |
| Green Soap | 30 " |
| Lard | 30 " |

Mix the Lard with the Green Soap and Oil of Cade. Then gradually incorporate the Sublimed Sulphur and Precipitated Carbonate of Calcium.

N.F. UNGUENTUM SULPHURIS COMPOSITUM

II.

Compound Sulphur Ointment

Wilkinson's Oint. Hebra's Itch Oint.

| | |
|--|--------|
| Precipitated Calcium Carbonate, ten grammes. | 10 Gm. |
| Sublimed Sulphur, fifteen grammes | 15 Gm. |
| Oil of Cade, fifteen grammes | 15 Gm. |
| Soft Soap (U.S.P.), thirty grammes | 30 Gm. |
| Lard, thirty grammes | 30 Gm. |

Mix the Lard with the Soft Soap and Oil of Cade. Then gradually incorporate the Sublimed Sulphur and Precipitated Calcium Carbonate.

N.F. UNGUENTUM SULPHURIS COMPOSITUM

III.

Compound Sulphur Ointment

Wilkinson's Oint. Hebra's Itch Oint.

| | |
|--------------------------------------|-----------|
| Precipitated Calcium Carbonate | 10 parts. |
| Sublimed Sulphur | 15 " |
| Oil of Cade | 15 " |
| Soft Soap (U.S.P.) | 30 " |
| Lard | 30 " |

Mix the Lard with the Soft Soap and Oil of Cade. Then gradually incorporate the Sublimed Sulphur and Precipitated Calcium Carbonate.

N.F.
VI.

UNGUENTUM SULFURIS COMPOSITUM

Compound Ointment of Sulfur

Ung. Sulfur. Co. Wilkinson's Oint.

Hebra's Itch Ointment

| | |
|--------------------------------------|----------------|
| Precipitated Calcium Carbonate | 10 Gm. |
| Sublimed Sulfur | 15 Gm. |
| Juniper Tar | 15 Gm. |
| Soft Soap | 30 Gm. |
| Solid Petroxolin | 30 Gm. |
| To make | <u>100</u> Gm. |

Melt the solid petroxolin with the soft soap and add the juniper tar; then incorporate by trituration the sublimed sulfur and precipitated calcium carbonate, added in several portions, and rub the Ointment until it is smooth.

N.V.
IV.

UNGUENTUM VERATRINAE

Veratrine Ointment

(U.S.P. VIII.)

Ung. Veratrin.

| | |
|--|----------------|
| Veratrine, four grammes | 4 Gm. |
| Expressed Oil of Almond, six grammes | 6 Gm. |
| Benzoinated Lard, ninety grammes | 90 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Rub the veratrine with the expressed oil of almond, then gradually add the benzoinated lard, and mix thoroughly.

N.F.
V.

UNGUENTUM VERATRINAE

Veratrine Ointment

Ung. Veratrin.

| | |
|-------------------------------|----------------|
| Veratrine | 4 Gm. |
| Expressed Oil of Almond | 6 Gm. |
| Benzoinated Lard | 90 Gm. |
| To make | <u>100</u> Gm. |

Rub the veratrine with the expressed oil of almond, then gradually add the benzoinated lard, and mix thoroughly.

N.F. UNGUENTUM ZINCI STEARATIS

IV.

Ointment of Zinc Stearate

(U.S.P. VIII.)

Ung. Zinc. Stear.

| | |
|--|----------------|
| Zinc Stearate, in fine powder, fifty grammes ... | 50 Gm. |
| White Petrolatum, fifty grammes | 50 Gm. |
| To make one hundred grammes | <u>100</u> Gm. |

Rub the zinc stearate with the white petrolatum until a smooth ointment is produced.

N.F. UNGUENTUM ZINCI STEARATIS

V.

Ointment of Zinc Stearate

Ung. Zinc. Stear.

| | |
|-------------------------------------|-----------------|
| Zinc Stearate, in fine powder | 500 Gm. |
| White Petrolatum | 500 Gm. |
| To make | <u>1000</u> Gm. |

Rub the zinc stearate with the white petrolatum until a smooth ointment is produced.

N.F. UNGUENTUM ZINCI STEARATIS

VI.

Ointment of Zinc Stearate

Ung. Zinc. Stear.

| | |
|-------------------------------------|----------------|
| Zinc Stearate, in fine powder | 35 Gm. |
| Liquid Petrolatum | 10 Gm. |
| White Petrolatum | 55 Gm. |
| To make | <u>100</u> Gm. |

Melt the white petrolatum, and add the liquid petrolatum to it; then incorporate by trituration the zinc stearate, and rub the Ointment until it is smooth.

There have been 26 different ointments official in all of the National Formularies to date. Of these, 7 have appeared but once, while 4 have appeared in all six National Formularies. It is interesting to note that of the 5 ointments official in the N.F. I., 4 have remained official to date.

Table IV. Number of ointments official in each of the National Formularies.

| <u>National Formularies</u> | <u>No. of Ointments</u> |
|-----------------------------|-------------------------|
| N.F. I. | 5 |
| N.F. II. | 8 |
| N.F. III. | 7 |
| N.F. IV. | 12 |
| N.F. V. | 19 |
| N.F. VI. | 21 |

APPROVED

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DATE

June 7, 1940