

from fifteenth day of month of purchase), will be subject to allowance at the rate of 7 per cent. per annum for the unexpired time.

Passbooks will not be issued after above date, as it is found that the system interferes with settlements.

Monthly statements will be rendered promptly.

Montreal, Dec. 10th, 1894.

Perfumes and Formulæ for Their Manufacture.

By JACOB JESSON, MUSKOGON, MICH.

The query, "How far is it expedient for pharmacists to manufacture their own perfumes, and what formulas can be proposed for their manufacture?" may be answered with the statement that it is expedient so far as the pharmacist may desire pleasure and profit from his business. The art of manufacturing perfumes by right belongs to the pharmacist, but it has drifted into the hands of specialists, owing to the general impression that it is something mysterious and difficult. I assure you, however, that it is not difficult, and every pharmacist of ordinary intelligence should be able to supply his trade with goods equal to those produced by domestic or foreign specialists. The outlay required is small compared with the profits derivable from the investment. The essential oils and pomades required can be obtained from wholesale druggists, and in the desired quantities. The formulas herewith presented have been in use by me for the past seven years, and may be accepted as reliable. . . . I have divided the subject into three parts, (1) a short description of each article, and the mode of preparing the tincture, spirit, or essence; and as these formulas have proven to be good and practical, we herewith publish them. The materials entering into the manufacture of perfumes are obtained in different parts of the world, and from the vegetable and animal kingdoms.

ALMOND (AMYGDALA AMARA).

Is a native of Persia, Syria, and Barbary, and is cultivated in Southern France and Italy.

Almond Spirit.

Oil of bitter almonds.....drops 80
Deodorized alcohol.....oz. 16

Procure the best Cologne spirits or deodorized alcohol obtainable. Do not use common alcohol, as its odor is too strong and pungent for perfumers' use.

AMBERGRIS.

This substance, which is found floating in the sea, or is thrown up by the waves upon the shores of various countries, is now generally believed to be produced in the intestines of the sperm whale. The best gray ambergris is quite expensive, but is the only one worth buying.

Tincture of Ambergris.

Ambergris.....drams 2
Powd. orris root.....drams 2
Deodorized alcohol.....oz. 16

Grind the ambergris and orris in a mortar until reduced to a fine powder; transfer to a bottle, and add the alcohol. Macerate for thirty days, and filter through paper.

BENZOIN (BENZONINUM).

Benzoin is imported from Borneo, Java, and Siam. The tincture of benzoin has the property of adding permanence to some of the more fleeting odors.

Tincture of Benzoin.

Gum benzoin, in fine powder.....oz. 2
Deodorized alcohol.....oz. 16

Macerate for thirty days and filter.

BERGAMOT (CITRUS BERGAMIA).

The oil is obtained in Italy by expression from the peel of the fruit. It should be kept in a dark place and in a tightly corked bottle. If not well taken care of, it soon loses its green color, becomes cloudy from a deposit of resin, and acquires a turpentine smell. Care should be taken to preserve all oils as above directed.

CASSIE (ACACIA FARNESIANA).

Cassie is cultivated in Southern France and Italy, and produces a very valuable perfume, resembling violets, but stronger.

Essence of Cassie.

Cassie pomade.....oz. 16
Deodorized alcohol.....q.s. or oz. 16

Introduce the pomade and alcohol into a Mason fruit jar of half gallon capacity. Digest by means of a water bath until the pomade is barely melted; shake well together, and repeat the shaking frequently until cold. Allow this to stand forty days; then drain off the essence. If this falls short of one pint, repeat with a sufficient quantity of alcohol to make up that measure. The washing can be continued and a second pint of essence obtained, which, although much weaker, may be found useful in a cheaper grade of perfumes.

CLOVE (CARYOPHYLLUS).

The clove tree is one of the most elegant trees found in the Moluccas and other islands of the Chinese seas. Clove is a leading feature in some of the fine bouquets.

Spirit Cloves.

Oil of cloves.....drams 4
Deodorized alcohol.....oz. 16

CITRONELLA (ANDROPOGON MARIUS).

Oil of citronella is obtained by distillation from citronella grass, a native of Ceylon and India.

CIVIT (FROM VIVERRE CIVETTA).

The substance is secreted by the civit cat. It is found in a large double glandular receptacle, between the anus and pudendum. The cat abounds in portions

of Asia. Civit has a most disagreeable odor, but as a fixing substance, for giving permanence to the more fleeting odors, it is very valuable.

Tincture of Civit.

Civit.....dram 1
Powd. orris root.....dram 1
Deodorized alcohol.....oz. 16

Proceed as with tincture of ambergris.

GERANIUM (PELARGONEUM CAPITATUM).

Geranium oil is obtained in Southern France and Turkey, from rose leaf geranium.

Spirits of Geranium.

Oil of geranium.....oz. 1
Deodorized alcohol.....oz. 15

JASMINE (JASMINUM ODORATISSIMUM).

Jasmine is cultivated in Southern France and Italy. Its odor is so peculiar and fine that it cannot, itself, be imitated, but it is used for imitating odors of other flowers.

Essence of Jasmine.

Jasmine pomade.....oz. 16
Deodorized alcohol.....q.s. or oz. 16

Proceed as with cassie.

LAVENDER (LAVENDULA VERA).

The best of oil of lavender comes from Mitcham, in England, where the plant is grown extensively.

LEMON (CITRUS LIMONUM).

The lemon tree is a member of the great citrus family. Sicily produces a large amount of the oil of lemon. The raising and extracting of oils of lemon, orange, and bergamot form one of the chief industries in the vicinity of Palermo. A good *essence of lemon* for dispensing, or for soda water syrups, may be prepared as follows:

Oil of lemon.....drams 4
Carb. magnesia....." 4
Sugar....." 4
Deodorized alcohol.....oz. 8
Water.....oz. 8

Dissolve the oil in two ounces of alcohol; triturate in a mortar with the magnesia and sugar. Gradually add the remainder of the alcohol and water, and filter.

LEMON GRASS (ANDROPOGON CITRATUS).

Is a species of grass growing in India. On account of its odor resembling verbena, the oil is used for preparing the extract of verbena.

MUSK (FROM MOSCHUS, MOSCHATUS).

Musk is obtained from the musk deer, a small animal inhabiting the mountainous regions of Central Asia. Grain musk is the best form in which to purchase the article. Musk is used extensively in perfumes, both as a simple extract and for giving permanence to more fleeting odors.

Tincture of Musk.

Grain musk.....drams 2
Hot water.....oz. 1
Deodorized alcohol.....oz. 15

Rub the musk to a fine paste with the hot water. Digest in a covered mortar