ance with the price wished for. Camphor is also added to conceal this addition. Oil of spike is used in the arts and also in veterinary practice. It is not produced in Britain, the climate being too cold.

TRYME.—Another plant of this natural order Labiatæ is Thymus vulgaris, which yields an oil used in perfumery. It is imported into this country from France; it grows also in the Western D. Western Peninsula, Lombardy, and the mountainous shores of the Adriatic and Greece, and is to be found in almost every English country garden for culinary purposes.

The distillation in Southern France is made from June to September, and the two samples of oil of thyme—red and white white—are obtained from the same plant, the redistilling keeping back the coloring matter, but at the same time destroying some of some of the aroma. I should recommend the red oil in preference to the aroma. ence to the aroma. I should recommend the red on in presente to the white, and if the color (which is often intensified by all the white, and if the color (which is often intensified by alkanet) is not desired, animal charcoal will remove it very

ROSEMARY (Rosmarinus officinale) may be now added as belonging to the same natural order, growing in the same localities and under similar circumstances. It is also grown in Britain Britain, and a small quantity of oil is distilled, but, owing to the small the small amount used, quite a fancy price is the rule.

The least amount used, quite a fancy price is the rule.

The last three oils—lavande d'aspice, thyme, and rosemaryare used mostly for soap-scenting, their terebinthinate odor excluding them from the category of the more delicate perfumes.

OIL OF PATCHOULI, from the plant Pogostemon patchouli, which is grown in the Malayan archipelago. The oil is much used in used is grown in the Malayan archipelago. The one is much used in perfumery, though, owing to circumstances, not to such an extent as formerly. Chiefly used in conjunction with only should be used in proportion to other ingredients.

LILY OF THE VALLEY Convallaria magalis), with its pure white, bell-shaped, and delicately-scented flowers, is made into seen ce and pomade in the Grasse manufactories, and found of great name of pomade in the Grasse manufactories, and found of spring, February and March being the best months for manufacturing the essence

DAFFODIL. (Narcissus pseudonarcissus'—Daffy-down-dilly which is found in almost every country in Europe, yields a leasant perfume. It flowers in Grasse about April, and a ittle later in Research and a garden the yield will in England. When once planted in a garden the Neld will soon be found greatly in excess of the wishes of the

ESSENCE OF LEMON.—This oil, so largely used in flavoring, etc., is also employed in perfumery. Like oil of orange, it is uncertain in the compact changes in composition very uncertain in its results, owing to changes in composition conscense. Essence of consequent on keeping for any length of time. Essence of lemon is now the same of the contract lemon is prepared in the same manner as essence of bergamot, but there batthere is a variety termed "essence de citron zeste," there is a variety termed "essence de citron zeste, which the oil to run out, collecting it in a receiver, and filtering. This is the best article for use in perfumery, as commercial are of large to the perfumery of the commercial are the best article for use in perfumery as commercial are the best article for use in perfumery. essence of lemon is generally contaminated with very inferior detected by with rectified oil of turpentine, which can be detected by adding some liquor potassæ to a sample and applying hear plying heat.

OIL OF ORANGE (Citrus vulgaris, Citrus aurantium, and bitter and sweet orange. This perfume is not very extensively from the flowers, distilled during the month of May, is improved in large quantities from the south of France.

To oil of neroli." The best test to ascertain its purity is to biant. In a small quantity with a saturated solution of sodium biant.

shake up a small quantity with a saturated solution of sodium bisalphite, when a permanent crimson color will be produced.

The sp. gr. is 800 and the oil is neutral to test-paper. There The sp. gr. is .890, and the oil is neutral to test-paper. There de neroli position of oil—essence de neroli bigaradia, and essence

Oil of petit grain is obtained from the leaves and shoots of the bigaradia et Portugal. bigaradia et Portugal."

A mixture of oil of orange and oil of neroli, with other essences, makes a very good substitute for essence of ylang ylang (a sample prepared from a formula by myself is on the table for Your inspection). Oil of petit grain is used extensively in the manufacture of eau de Cologne.

MIGNONETTE (Reseda odorota) is well known and is much esteemed for its fragrance. Flowering in March and April, it is then prepared for use in perfumery. The cold March winds sometimes spoil the crops for the season. Several imitations are in use, and are very similar to the genuine perfume.

PELARGONIUM ROSEUM.-Rose geranium is grown for perfumery in Provence, and there is an Algerian product known as "essence de geranium d'Afric," inferior to that distilled at Grasse. This oil is used to adulterate otto de rose. Owing to the small yield-viz., 1 lb. from 1000 lbs.-it is expensive, and its characteristic odor is greatly esteemed as an addendum to the numerous items in millifleur essence. Ol. geranii E. I. is not to be confounded with pelargonium, but is obtained from several species of the genus Andropogon, and termed "ginger-grass oil."

Rose.—First, the species Rosa Gallica, cultivated in Southern Europe, Asia Minor, and Britain. The petals of this flower are obtained in their most perfect state for druggists' use from Mitcham. The quantity there obtained is very small, and Mitcham rose petals therefore command a high price; the same remark applies to all English-cultivated rose leaves. The dried Continental leaves are often dyed with aniline, which may be detected by macerating in spirit to which is added a few drops of ammonia. The true state of the leaves can soon he seen

Rosa Damascena.—From this is obtained the much-prized otto, or attar, of roses, which now rules at a high price. When first incroduced into this country it was subject to duty about 10s. per oz.; this was greatly reduced, and in 1880 was taken off altogether.

Otto of roses is imported from Bulgaria and Turkey, principally from the southern side of the Balkan range—from Kizanlik and Philippopolis—and from Smyrna (Asia Minor). It is also made in India, in the valley of the Ganges, but is never exported thence. There is also a little manufactured in France, but the quality will not bear comparison with Kizanlik. Otto is largety adulterated, as I mentioned previously, with oil of rose geranium (pelargonium), and also with oil of Andropogon schænanthus, a grass grown in India, which is exported to Turkey solely for the purpose of adulterating otto.

The best tests for genuiue otto are the degree at which it congeals, which should be 55° Fahr., and the appearance of the mass The crystals, or laminæ, should be shiny, feathery, and nearly transparent. When thick and milky, and more deposited at the bottom of the bottle than at the top, spermaceti is present, and perhaps paraffin wax, which latter is hardly are readily detected as a present. so readily detected as spermaceti.

Rose water is also prepared from Rosa Damascena, together with the essence and pomade, and imported from Grasse, Cannes, and Nismes.

TUBEREUSE.—Tuberose grows in the neighborhood of Grasse, and is a bulb which requires to be replanted each spring, not being of sufficient hardiness to stand the winter. It blooms from July to October, and is not very extensively cultivated. Being a very delicate perfume, it is prepared by the cold "enfleurage process."

VIOLET (Viola odorata) is the most esteemed of all perfumes. It is cultivated over a large expanse of country, extending as far west as Avignon; in fact, wherever the olive is grown, being planted chiefly in olive erchards, which protect the plants from the cold winds, to which they are very susceptible. The flowers are gathered in February and March. The crop is often a failure, the result being a considerable increase in the price of the pomade and essence, in addition to bad quality.

VERBENA.—That variety which is used in perfumery il Lippia citriodora—lemon-grass plant—and is prepared at Tras vancore and Singapore, in the Straits Settlements. The oishould be redistilled before use for compounding.

AMBERGRIS.—A very useful adjunct to a toilet essence. When preparing essence of ambergris macerate in hot water, to which is added the same quantity, by weight, of liquor potassæ as the ambergris; spirit to be added after a day or two, and maceration continued for two months before using

Musk.—The same remarks apply here. Always rub down the grain with sand or pumice-stone before using. The additional statement of the same remarks apply here. tion of one pint of any simple essence made from pomade— jasmin preferred—increases the permanence of musk. A few