

RICHARDSON'S STYPTIC COLLOID.—Ether (absolute), Tannin (pure), to be treated with absolute alcohol, by digesting for several days. This makes a thick mixture, to which the ether is now to be added, until the whole has become quite fluid. Next take gun-cotton, (pyroxyline), and add to the solution of tannin until it will no longer readily dissolve. This seems to be the "Styptic Colloid of Richardson." To improve its odor a little tincture of benzoin is finally mixed in. All this appears plain enough, and if the directions to use strong articles be followed the article will, no doubt, be produced. It may probably be purchased now from the manufacturing chemists.—*Druggists' Circular.*

ALCOHOL FROM LICHENS.—The "Archives des Sciences" for August contains a translation of a Swedish paper by M. Sten Stenberg, showing the large quantity of amylaceous matter contained in certain lichens, among them the reindeer moss, (*Clandophora rangiferina*), existing in immense quantities in certain countries of the north. He converts the amylaceous matter into grape sugar by heat and acids, ferments it, and obtains alcohol, which he states to have an aromatic odor like that of almonds.—*Student.*

ACTION OF DUCKWEED.—M. Delherain has a short paper in "Comptes Rendus" on the decay and decomposition of plants in marshy water when duckweed grows on the surface, and intercepts the solar action. He shows that the plants no longer give out oxygen, and that they die for want of that element. This he considers the true cause of their decay, and not the presence of sulphuretted hydrogen, arising from the decomposing submarine plants.

DEVELOPMENT OF THE EGG.—From observations on snails, frogs, newts, etc., M. Perez affirms that an egg begins by the formation of a nucleus at the bottom of the ovary. The second step is the transformation of the nucleus into a cell by scission of its peripheral layer, which individualizes itself into a membrane (the vitelline). Third step, first scission of the nucleus, producing the germinal vesicle and spot. Fourth, deposit of vitelline granulations in the primitive liquid of the ovule. He adds that the genesis and development of the male cells (spermatozooids) follow the same course, but with differences arising from the relative quantity of the vitelline granules.—*Student.*

CANADIAN MEDICINAL PLANTS.

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1ST PRIZE—FIFTEEN DOLLARS—a copy of *Griffith's Medical Botany*, and Certificate.

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Conditions of competition to be—

1st. Competitors to have been engaged in the drug trade, and for not more than three years, and to be members of the Pharmaceutical Society previous to 1869.

2. Specimens to be forwarded (carriage paid) to the Secretary of the Society, Toronto, by 1st September, 1869, with a sealed letter, enclosing the address of the competitor, a certificate from

his employer that the collection has been made by the competitor solely within a year; that he has been engaged in the drug trade during that time, and that he has not been more than three years so engaged at the date of this notice.

3. Each specimen is to be carefully prepared ready for sale or use, and packed in a paper bag. On each shall be written legibly, the common and scientific names, the date and locality of collection, and a private mark, which shall also be put on the outside of the letter accompanying the collection.

4. Three judges shall determine the order of merit; they shall be at liberty to withhold any or all of the Prizes, if the collections do not warrant an award, and to select such specimens as they may deem meritorious for the Museum of the Society, which specimens will have the name of the collector put upon them.

5. The points of competition to be number of specimens, condition, correctness of naming, and general excellence; quantity a secondary consideration.

Collections to which Prizes are awarded will be sent to the Provincial Exhibition at the expense of the Society; and any Prizes secured there, shall be for the benefit of the collector.

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H. J. ROSE, Secretary,

September 15th, 1868.

Toronto.

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R Spermaceti 2 oz.
Almond Oil 4 oz.
Castor Oil 12 oz.

Melt together and add

Oil Lavender 1 drachm.
" Verbend. 1 "
" Lemon 1 oz.

The bottles should be slightly warmed before filling the pomade, and in summer fifty per cent. more spermaceti should be used.

Circassian Cream.

R Best Olive Oil 24 oz.
White wax 3 oz.
Spermaceti 2 oz.
English Oil of Lavender 2 drams.
Oil of Cloves 1 "
Ess. of Ambergris 4 "

Colour the oil with a little Alkanet Root to a slight red strain, and add the other ingredients, secundum artem.

Bear's Grease.

R Prepared Suet 6 oz.
Lard—washed 4 oz.
Olive Oil 2 oz.
Oil of Bays 1 oz.
" Lemon 1 oz.
" Thyme 1 dram.
" Lavender 1 " Mix

A small quantity of the genuine grease is generally added for conscience sake.

Bandoline.

R Gum Tragacanth, best 1 oz.
Rose Water 1 pint.

Allow it to stand, with occasional stirring, for 24 hours, then press through fine muslin, and add 10 drops oil almonds dissolved in spirits—color if desirable with Tincture Cochineal.

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C. W. WALKEM,

Secretary.

May 1868.

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