

Canadian Druggist

Devoted to the interests of the General Drug Trade and to the Advancement of Pharmacy.

VOL. VII.

TORONTO, MAY, 1895.

No. 5

Canadian Druggist

WILLIAM J. DYAS, PUBLISHER.

Subscription, \$1 per year in advance.

Advertising rates on application.

The CANADIAN DRUGGIST is issued on the 15th of each month, and all matter for insertion should reach us by the 5th of the month.

New advertisements or changes to be addressed

Canadian Druggist,

20 Bay St. TORONTO, ONT.

EUROPEAN AGENCY:

BROCK & HALIFAX, Aldermay House, Watling St.,
LONDON, E.C., ENGLAND.

CONTENTS.

Ontario College of Pharmacy.

TRADE NOTES.

Prince Edward Island Notes.

Manitoba Notes.

Nova Scotia Notes.

CORRESPONDENCE—Dispensing Difficulties.

College of Pharmacy.

Suggested B. P. Emulsions.

Creosote Syrup.

Pharmacy in England.

Enlarged Faculty of the School of Pharmacy of

Northwestern University, Chicago.

Pharmaceutical Examinations.

A Polyglot Apothecary.

The Action of Diastase on Cold Starch Paste.

Emulsions.

Chemistry for the Pharmacist.

Should Doctors Dispense?

Rhubarb.

A Successful Firm.

The Ointments of the new Pharmacopœia.

EDITORIAL.—A Dominion Pharmaceutical As-

sociation—Customs Decision.

The Extra-Pharmacopœia.

An Advertising Story with a Moral.

The Chemistry of Photography.

A Severe Case.

The Early History of Phosphorus.

Glycerine at \$19 a ton.

Public Misuse of Carbolic Acid.

Paraffin as a Secondary Ingredient in Pomades.

On the Determination of Morphine in Opium.

Substitute for a Funnel.

PHARMACY ABROAD.

Plastic Gelatine.

Territories' Pharmaceutical Association.

FORMULARY.

Sulphides of Zinc.

Pharmaceutical Notes.

Bars—Salicylate of Soda.

PHOTOGRAPHIC NOTES.

Wintergreen Oil.

The Metric System in England.

Therapeutic Serums.

Salts of Potash.

BUSINESS NOTICES.

BOOKS AND MAGAZINES.

DRUG-REPORTS.

Ontario College of Pharmacy.

The final examinations of the Ontario College of Pharmacy have been in progress at the college building during the last few days. One hundred and four candidates presented themselves for examination, ninety-nine of them offering on all subjects. The class this year has been a remarkably good one, and the results, which will be known in the course of a few days, should show a very creditable percentage of successful candidates. The oral examinations were specially thorough, and the papers, which we publish, show the character of the examinations undergone, and should be somewhat of a criterion as to the ability of the students who succeed. Objections have sometimes been taken as to the advisability of publishing these papers, but we believe it is due to the druggists of the province that they should see and judge as to the work being done in the college, and also as to what the graduates' qualifications are who may apply for positions as assistants.

SEMI-ANNUAL EXAMINATIONS, MAY, 1895.

CHEMISTRY.

Examiner:—B. JACKS.

Time allowed, two hours.

1. Write equations illustrating the action of H_2S on: (a) Sol Caustic Potash. (b) Chlorine Gas. (c) Nitric Acid. (d) Ammonium Hydrate. Value 9.

2. Illustrate the statement that Sulphur in various compounds apparently plays the part of a Monad, Dyad, Tetrad, and Hexad. Value 11.

3. When Zinc is added to Sulphuric Acid and water Hydrogen is given off, does the gas come from the acid or the water? Give reasons for your answers. Value 10.

4. Write a short note on the chemistry of Iron and a few of its compounds. Value 9.

5. Explain change of yellow Phosphorus to red variety. Give chemical formulae of Ortho, Pyro, and Meta-Phosphoric Acid, and distinguish by chemical tests. Value 11.

6. Give method of determining the proportions of C and H in an organic compound. Value 9.

7. How much Nitrous Oxide measured at a tem. of $50^\circ C.$, and 780^{mm} Bar., may be obtained from 250 grams Ammonium Nitrate? Value 11.

8. Describe two methods of Soda manufacture on a large scale, giving by-products.

(a) Explain the action of artificial refrigerating machines. Value 10.

9 and 10. Oral examination and recognition of samples. Value 20. Total 100.

PHARMACY.

Examiner:—F. T. HARRISON.

Time allowed, two hours.

1. What menstruum would you employ if given a drug containing.

(a) Gum, Sugar, Alkaloids, Albuminoids, Chlorophyll, Resin? Value 3.

(b) Volatile Oil, Chlorophyll, Resin, Tannin, Dextrine, Albuminoids? Value 3.

(c) Glucosides, Alkaloids, Tannin, Sugar, Albuminoids, Fixed Oil? Value 3.

In each case it being desired to extract the first four principles and reject the balance.

2. Give a brief outline of the Assay of Opium, stating reasons for each step. What per cent. of Morphine is required to be present in the Powdered Opium. Value 10.

3. State how the following Medicated Waters are prepared, and describe briefly all necessary apparatus: Aq. Menth. pip., Aq. Camph., Aq. Rosæ, Aq. Chlorof. Value 12.

4. Give strength, menstruum used, and method of extraction employed for the following: Tincture of Opium, Tincture of Aconite, Ammoniated Tincture of Valerian, Strong Tincture of Ginger. Value 12.

5. Describe fully the preparation of Liq. Potass. If, on testing the sample, it be found to have a specific gravity of 1.100 and to effervesce with Diluted Hydrochloric Acid, how would you proceed to make it correspond to the B. P. requirements? Value 10.

6. Describe the preparation of Saccharated Carbonate of Iron. State why sugar is used, how it should be kept, the per cent. of Ferrous Carbonate which ought to be present, and what are its ordinary impurities? Value 10.

7. I have a sample of alcohol. Sp. gr. .8172, consequently containing 92% by weight of absolute alcohol, and is 65.98 O. P.

(a) How many fluid ounces will be required to make 1 pint Imperial of Rectified Spirits? Value 6.

(b) How many fluid ounces will be re-