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**CANADIAN
PHARMACEUTICAL
JOURNAL**

A MONTHLY REVIEW OF CHEMISTRY & PHARMACY
THE ORGAN OF THE CANADIAN DRUG TRADE

Vol. XXX. MARCH, 1897. No. 8

A large proportion of the

**RETAIL DRUGGISTS
OF CANADA**

Are now selling

**“Creamery”
Butter Color**

to their own large profit
and to the great satisfaction of their customers.

Are You ?

ARCHDALE WILSON & CO.

Wholesale Druggists → → ← ← Hamilton, Canada

Our Line of _____

PHARMACEUTICAL PREPARATIONS

_____ Includes

Syr. White Pine
Aromatic Cascara
Calisaya Cordial
Syr. Trifolium Co.
Essence Pepsine
Essence Lactated-Pepsin

To these we are constantly making additions

Our Toilet Articles

Farina Cologne
French Lilac (Lotion for Hair)
Almond Cream
Florida Water

Special Odors

Persian Lilac
Bermuda Lilies

We confine ourselves exclusively
to the DRUG TRADE

THE SCOTT & McMILLAN Co., Ltd.

14-16 Mincing Lane, Toronto.

Munyon's Homœopathic Home Remedies

A Cure for every Disease !

FAST SELLERS ! LARGE PROFITS ! NO RISK !

These remedies are put up in screw-capped vials, three sizes, in pellet form, and hold double the quantity of medicine of any other homœopathic remedies now sold at the same price. They retail at 25c., 50c. and \$1.00 per bottle, and are in appearance and quality superior to any other homœopathic remedies on the market. They are being extensively advertised and are having an immense sale.

Our new cabinet, which is acknowledged by druggists as the finest case ever placed on the market, is elegantly finished in highly-polished oak, both front and back. The front is made very attractive by an illuminated lithograph of our price list, mounted in an artistic oak frame.

They are attractive to the druggist FOR MANY REASONS.

☞ They are well advertised.

☞ They are very reliable.

☞ They prove their own worth.

☞ They are never disappointing.

They call a great many people into the retail drug store, and not only sell themselves, but also are the means of making other sales.

Every paper of importance in Ontario, Quebec and other Canadian provinces is telling the true story of Munyon Cures with Munyon Remedies.

YOU WANT THEM !

If your wholesale druggist cannot furnish you, send direct to **THE MUNYON HOMŒOPATHIC HOME REMEDY COMPANY, 11-13 Albert Street, TORONTO.**

Reed & Carnrick's Preparations.

Protonuclein (Powder)

" (Tablets)
Carnrick's Soluble Food, 8oz. 16oz.

" " " " " "

Laeto Preparata, 8 oz. 16 oz.

" " " " " "

Lacto-Cereal Food, 8 oz. 16 oz.

" " " " " "

Cordial Analeptine.

Sulpho-Calcine.

Zymocide.

Paneroblin (Liquid).

" (Pills).

" (Pills, comp. and tonic).

Corrigent Pills.

Analgesine Tablets.

Cardiene Tablets.

Cholagogine Tablets.

Diureticine Tablets.

Hypnotine Tablets.

Innervatine Tablets.

Kumyss Powder.

Sulphur-Tartrate Tablets.

Velvet Skin Soap.

" " Powder.

Duncan, Flockhart & Co.'s

Blaud's Pill Capsules

ARE SOFT AND FLEXIBLE

NEVER BECOME HARD

NEVER BECOME OXIDIZED

NEVER VARY IN STRENGTH

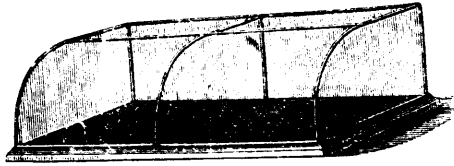
These Capsules are put up in 1, 2, and 3-pill sizes, with or without Arsenic, and can be supplied in boxes of 2 dozen or 100 ea c. They are prepared by a unique and original process, which entirely overcomes the tendency to **hardening** which is so common in the ordinary **Blaud Pills**.

FOR SALE BY WHOLESALE TRADE.

R. L. GIBSON, General Agent,
88 Wellington Street West, TORONTO.

Kindly mention this Journal when writing to Advertisers.

C. SCHACK & CO.



Manufacturers of
SHOW CASES Store and Office ... FITTINGS

First class workmanship. Lowest prices.
 Choice Designs in Cherry, Oak, Walnut and Mahogany.
 Special attention given to fitting Drug Stores.

Estimates and Designs furnished on application. **552 Yonge Street, TORONTO**

HIGHEST AWARD AT CHICAGO EXHIBITION.

ABSOLUTE PURITY GUARANTEED BY USING

T. & H. SMITH'S
Chloroform Pure, Morphine and Salts

[Answering all recognized purity tests.]

And Other Fine Chemicals.

From all Wholesale Houses Throughout Canada.

T. & H. SMITH & CO., MANUFACTURING CHEMISTS.

Edinburgh, Scotland, and 12 Worship St., London, England.

FAHLBERG, LIST & CO.

*Sole Patentees and
 Manufacturers*

SACCHARINE

*500 Times Sweeter
 than Sugar.*

Specially recommended for internal use in the treatment of Diabetes, Glycosuria, Gout, Rheumatism, Sciatica, etc., where sugar is forbidden. Cheapest and best sweetening and preserving substance for Castor and Cod Liver Oil, Aerated Waters, Wine, Beer, etc.

Wholesale
 by

ED. LEYSIEFFER, Montreal,

In Powder in 1oz., 1lb., and 2lb.
 Bottles. In Phials of 25 and 300 Tablets.

Sole Representative and Depositor for the Dominion.

Sold to the Trade by all Wholesale Druggists.

WHOLESALE TRADE.

PLEASE TAKE NOTICE THAT YOU CAN BUY

PLUG TOBACCOS (Duty Paid), Sweet Navy Chewing, all sizes, 25c. to 35c. per lb. Bright
 Honey Chewing, all sizes, 33c. to 43c. per lb.

All kinds of **CUT TOBACCOS**, 20c. to 55c. per lb., put up in any kind of package or style required

CIGARETTES, all kinds of Cigarettes, from \$2.50 to \$10.00 per thousand.

CIGARS, all kinds of Cigars, from \$13.50 to \$100.00 per thousand.

Write for Samples and Prices.
 Correspondence Solicited.

J. M. FORTIER, Manufacturer.

141 to 151 St. Maurice Street, MONTREAL

**Highest
Grade**

DIGESTIVE FERMENTS

WE OFFER a line of High Grade Digestive Ferments of our own manufacture, which we believe is superior to any similar line of goods now on the market. We give but a few of these below, but will gladly send our list and prices on request. The prices given are net without discount.

PEPSIN AND PREPARATIONS

Dike's Pepsin, 1-3000, U. S. Ph.—The advantages of this over all other Pepsins are sufficiently well known to make further comment unnecessary. 50c. per oz., \$7.20 per lb.

Dike's Essence of Pepsin.—In 8-oz. bottles, at \$5.00 per doz.

Pancreatine (Stearns)—A very high grade pancreatic extract containing the essential digestive ferments, Trypsin, Diastase (pancreatic) Steapsin, and the milk curdling ferment. 50 cents per oz., \$7.20 per lb.

DIASTASE

Diastase-Stearns (Pancreatic Diastase).—The isolated amylolytic ferment of the pancreatic juice. \$6.00 per doz. flasks, each containing 40 pills of 2½ grains.

Essence Diastase-Stearns—In 8-oz. vials at \$8.00 per doz.

FREDERICK STEARNS & CO.

MANUFACTURING PHARMACISTS,

DETROIT, Mich.
LONDON, Eng.
NEW YORK CITY.

WINDSOR, Ontario



FREE

A Cream Pitcher with 36 Bars regular Tutti Frutti, being the same as one box.

BE SURE TO GET ONE FROM YOUR JOBBER

ADAMS & SONS COMPANY, 11 & 13 Jarvis Street,
TORONTO, ONT.

The Wingate Chemical Company

B. E. MCGALE, Manager.

Corner of Notre Dame and Maple Avenue, Montreal.

PROPRIETORS OF

Stanton's Pain Relief
Dr. Coderre's Infant Syrup
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McGale's Sprucine
McGale's Butternut Pills
Wingate's Dyspepsia Tablets

Maltine Manufacturing Co.'s Preparations.

MALTINE (Plain).
MALTINE Ferrated.
MALTINE with Cod Liver Oil.
MALTINE with C.L.O. and Hypphos.
MALTINE with Pepsin & Pancreatine

MALTINE with Hypophosphites.
MALTINE with Cascara Sagrada.
MALTINE with Peptones.
MALTINE with Phos. Iron Quinia and
MALTINE WINE. [Strychnia.

MALTINE WINE with Pepsin and
 [Pancreatine
MALTINE WINE Beef and Iron.
MALTINE with Coca Wine.
MALTO-YERBINE.

New York Pharmacal Association's Preparations

LACTOPEPTINE POWDER (ounce bottles).
 " " (½ lb. bottles).

LACTOPEPTINE ELIXIR. Plain.
 " " Iron, Quinia and Strychnia

Lactopeptine Tablets.

Arlington Chemical Company's Preparations.

Beef Peptonoids (Powder).

Liquid Peptonoids

Peptonoids Iron and Wine

Liquid Peptonoids with Coca.

Liquid Peptonoids with Creosote

R. L. GIBSON, General Agent,

88 Wellington St. West.

TORONTO.

The Prices to RETAILERS are as follows:

\$5.50 Case of 25 large glass bottles
 \$8.50 " 50 small " "
 \$8.50 " 100 glass ¼ bottles

“THE APOLLINARIS WATER”
 UNDER EMINENT SCIENTIFIC CONTROL.
 BEST NATURAL WATER

See that the Labels
 bear the well-known
RED DIAMOND MARK
 of the APOLLINARIS COMPANY, Limited

Sole Exporters:
THE APOLLINARIS COMPANY, LD., LONDON
Canadian Sub-Agents:
WALTER R. WONHAM & SONS, MONTREAL

Kindly mention this Journal when writing to Advertisers.

CANADIAN PHARMACEUTICAL JOURNAL AND PHARMACAL GAZETTE

Vol. XXX.

TORONTO, MARCH, 1897.

No. 8

ESTABLISHED 1868.

Canadian Pharmaceutical Journal

—AND—

PHARMACAL GAZETTE

ISSUED MONTHLY.

EDITOR J. E. MORRISON
BUSINESS MANAGER G. E. GIBBARD

Subscription, \$1.00 per Year.

Communications bearing on the text to be addressed to **Editor,**
43 Church St., Montreal.

All copy for publication must be sent in by the 20th of the month.

New Advertisements and changes received up to the 25th or 20th if proofs are required.

Advertising Rates sent on application.

Address all communications on business

CANADIAN PHARMACEUTICAL JOURNAL
287 King St. West, Toronto, Ont.

THE DEPARTMENT STORE.

THE march of civilization has with every stage of its progress brought to mankind numerous blessings, but invariably has been accompanied by certain compensating evils, and in modern times, the railroad, the telegraph, the telephone and other wonders of modern science have been accompanied by monopolies, combines and trusts. But the worst of these evidences of modern enterprise is that form of monopoly known as the department store, which reaches out its tentacles to grasp everything within reach. Not satisfied with doing a legitimate trade in their own particular line, these enterprising concerns, covetous of the living made by others, have set out to destroy, by what may be fair business methods, the means of gaining a livelihood of others, by selling everything from a needle to an anchor, at prices far below, in some cases, those for which the average retail dealer can buy these goods.

Their rapacity knows no bounds, and in their greed and desire for gain the small shop-keeper must suffer that the big store may pay large dividends. No account is taken of the loss, not only to the shop-keeper, but also to the real estate owner and the various trades depending on prosperity in this line, to the city in the result of reduced rentals, closed stores, all due to the department store, which like a cancer sends its ramifications into every part of the commercial body, bringing decay and death with it.

It may possibly be urged that these establishments by buying in large quantities can sell at lower rates than the average dealer, and we, therefore, for the public good, admit the argument, but that effect would only be transitory, for as their ramifications extend, all the business will become concentrated in these establishments; the grocers, hardware dealers, tin-smiths, etc., having no business to do, will have no money to indulge in dry goods, etc.

This picture is perhaps overdrawn, but it is the logical conclusion to be drawn from the departmental store style of doing business, and the actual results as demonstrated in such a city as Chicago, show that it is a true picture of the state of affairs induced by department stores. They are an unmitigated curse on the commerce of any city in which they flourish temporarily. They are the supreme personification of egotism, selfishness and greed.

Now is there no remedy, no "balm in Gilead" for this condition? Legislation has been proposed, but is met by the objection that such would be a hindrance on commerce, but laws are made for the greatest good for the greatest number, and if hundreds of tradesmen, shop-keepers and real estate owners are made to suffer that the bank account of half a dozen concerns may be swollen, then let laws be passed which will prevent such a state of things and allow every man to earn an honest living and remain a good citizen.

Just what laws should be made to prevent department stores from gobbling up everything

is difficult to say, but a desperate case requires heroic treatment. It may be that imposing a heavy tax of \$1,000 or \$2,000 for every line stocked, besides that ordinarily kept in dry goods stores, might remedy the evil; we think it would. But something must be done. Toronto and in fact Ontario generally, has suffered, and now Montreal is threatened with a similar curse, some of the dry goods stores having been selling groceries, books and stationery, tinware, etc., for some time past, and are now commencing on patent medicines, perfumery and toilet goods, and there is no knowing where they will end. Legislation must be sought to put an end to this style of doing business, and we invite correspondence from our readers on the subject, and hope that from a multitude of advisers some tangible scheme may be proposed by which the required object will be attained.

CHEAPER ALCOHOL AGAIN.

WE have received some letters of enquiry from subscribers which would indicate that they confuse the question of free alcohol, which has been agitating American pharmacists, and that of cheaper alcohol, which we commenced to agitate some months ago, and so far have been waging the fight single handed.

We wish to premise by stating that the two are entirely different. As for free alcohol, the only possible gainers would be the manufacturers of patent medicines and pharmaceuticals. The pharmacist would no longer be able to make any of his tinctures or other alcoholic preparations, for the reason that no government will grant free alcohol without throwing around it such safeguards, in the way of inspectors and bonding restrictions, that none but the large manufacturer would be able to take advantage of it. The pharmacist emphatically does not want free alcohol, but we want alcohol at a lower value than that artificially placed upon it by the late government.

In our November issue we showed that alcohol can be purchased in the United States for 23 cents per imperial gallon, but with the import duty placed upon it for the protection of four or five distillers, the price is brought to a level with that asked in bond by these distillers. What is wanted is that the government reduce the import duty 50c. per gallon, leaving a duty of \$1.75 per gallon, which surely ought to be sufficient protection. The result would be that the Canadian distillers would be compelled to reduce their price to the same extent; and as the excise duty would remain the same, the government receipts from this source would not be diminished, because there is no alcohol imported now, and if the manufacturers reduced their price there would not be any imported, so that as far as the fiscal aspect is concerned

matters would remain as they are. Some of our correspondents seem to fear that the wholesaler alone would profit by the reduction, but we believe this fear to be groundless, for the reason that whether alcohol be \$2 or \$10 per gallon, he will always make his profit from it, and the retailer pays the bill, but if alcohol be reduced in price, with the competition now existing he will have to reduce it, and the retailer will get the benefit in the shape of 50 cents per gallon on all the alcohol which he uses. From every point of view the retailer will be the gainer, and if he takes sufficient interest in this matter to fight it out to a successful termination, he will add somewhat to his reduced profit.

A CORRECTION.

OUR esteemed contemporary, the *Canadian Druggist*, is considerably in error in its report of what took place at the meeting of the wholesale dealers in Toronto on January 19th. It says matters were "satisfactorily adjusted by the apology of the author, and a promise not to offend any more." The writer of this was present, and we can assure the *Druggist* there was *no apology* offered by anyone, nor was any promise as to future conduct made. In fact, so far as that meeting was concerned, the author of the only statement in the circular called seriously into question was unknown. The president of the O. S. R. D. was careful to state that he *was not the author* of it.

DEPARTMENTAL STORES AND THE DAILY PRESS.

THERE'S "light in the darkness," even though as yet it may be only a glimmer. The light of one star is an encouragement that there is a break in the clouds. *Saturday Night* has come squarely out against the departmental store. The press of Toronto had gotten so flat down in the mud before this pachydermic idol, that there seemed small hope for it ever to arise from its grovelling. Ever and anon, our big dailies treat us to homilies and moral lectures on the evil of monopolies, and the depravity of human nature which would barter its independence for filthy lucre, and hold its place in the presence of a crying evil, when its mouth was closed by the mighty dollar.

Here is one of the most grinding monopolies that has ever cursed a country; one of the rankest evils that has ever sapped the life blood of a community, and among our great moral reformers and social regulators—who never miss an occasion to laud themselves as to the very high-toned character of their publications—

PANOPEPTON

Bread and Beef Peptone

Presents all the constituents of the two great types of food in a perfectly soluble, diffusible and absorbable form.

In sickness the indications and necessities for a comprehensive nutrient are no less plain than in health. The expedient of predigesting or peptonising this food is one of the most rational, scientific and important advancements of modern medicine.

Panopepton conserves and imparts energy, sustains the system, resists the inroads of disease, and quickly enables the digestive functions to resume their normal power, and thus appropriate ordinary foods.

FAIRCHILD BROTHERS & FOSTER,
NEW YORK.

Kindly mention this Journal when writing to Advertisers.

LEGAL WARNING

Phenacetine Trade Mark Litigation.

In the High Court of Justice.

FARBENFABRIKEN vormals FRIEDR. BAYER & CO.

vs.

Q. Y. SCOTT AND D. MACMILLAN, TRADING UNDER
THE FIRM NAME OF SCOTT & MACMILLAN.

In the High Court of Justice we obtained a decree enjoining the defendants, Messrs. Scott & MacMillan, perpetually, **from selling Phenacetine under that name.**

These court proceedings sustain all our claims arising from the rightful ownership of the trade mark "PHENACETINE" in the Dominion of Canada.

We have the exclusive right to sell PHENACETINE, which is registered under the Trade Mark and Design Act, on December 4th, 1888, at Ottawa, and we only are entitled to make use of that trade mark.

The Dominion Dyewood & Chemical Co., Toronto, are our sole agents in Canada.

We caution every one against selling Phenacetine under that name which is not manufactured by the Farbenfabriken, and we shall prosecute, under 49 Vic., Chap. 63, Sec. 17, all parties infringing the said trade mark.

In view of numerous substitutions of Phenacetine, for which Acetanilid and all kinds of impure preparations are sold by unscrupulous infringers, it is of the greatest importance to the drug trade to handle exclusively Phenacetine supplied by us.

FARBENFABRIKEN vormals FRIEDR. BAYER & CO.
DOMINION DYEWOOD & CHEMICAL CO.

TORONTO, February, 1897.

(WHOLESALE ONLY)

not one has dared lift its voice in denunciation, nor uttered a word in protest.

Columns of laments have been written bewailing the depressed condition of business in Toronto, and yards of advice offered as to the best means of restoring prosperity, while in the same issues are advertisements of those soulless concerns, with headings of "scare lines," boasting of the number of businesses they have ruined and stores closed, thus sending fathers out to swell the ranks of the great army of unemployed, driving the sons from the country, and condemning the daughters to a life of servitude little better than the lot of a Russian Serf. One's sense of the external fitness of things revolts at the inconsistencies of these newspapers which make such a pharasaical profession of interest in the welfare of the community, and at the same time sell themselves, soul and body, for the price of a two column ad.

Look at the condition of affairs in Toronto to-day. Real estate within five minutes walk of the centre of the city is valueless. Store and house property is a curse which is slowly but surely dragging the unfortunate owner down to bankruptcy and poverty. Legitimate trade languishes while fakirs flourish to an extent that Toronto is rapidly acquiring the reputation of the Fakir's Paradise.

We don't hesitate to say that for this condition of things our daily papers are in a large measure to blame. Unfortunately this evil is not confined to Toronto, but these huge octopuses are reaching out their tentacles feeling for the vitals of every town and village in the Dominion, and if allowed to pursue their way unmolested, will soon render this fair Canada a place for straightforward business men to avoid.

Saturday Night is to be commended for the stand taken, and we hope that a generous and hearty response will be the results from every newspaper not bound hand and foot, and from every business man with the good of the country and his own welfare at heart.

Editorial Notes.

It appears that at last direct color photography is within reach of attainment by chemical means. Heretofore, mechanical appliances have been used to produce the natural colors, but recent experiments by M. Villedieu Chassagne indicate that by appropriate chemical treatment photographs in natural colors may be made. The experiments were carried out in the presence of Sir Henry Trueman Wood, Professor Sylvanus Thomson, Capt. Abney and other scientists at King's College, London. The prints were treated with four solutions, the composition of which is, as yet, a

secret. The first appears to act upon the sensitive film in such a way as to render it capable of exercising a selective action on the three colored solutions through which it is afterwards passed. These solutions are blue, green, and red, and the coloring matter is taken up by the film in their proper positions, the varying tints being produced by the mixtures of the colors. The resulting photographs are said to be almost perfect, and far ahead of anything yet produced, while the process is one that can be used without any special appliances.

Don't imagine you have extracted all the valuable information from your JOURNAL after perusing the editorials, running through the news items, or examining the formulæ. These are important and should have your attention, but remember you are engaged in a business the commercial side of which is equally important with that of the professional, and in some sections the more so of the two. If you want to be in a position to supply the requirements of customers in quality and price you must needs buy right. To do that you must keep posted. No better means is at your command than the advertising pages of a live, up-to-date trade journal. Through them the jobber and manufacturer speak to you. We say, then, read the advertisements. We venture the assertion that there is not an issue of this journal that has not something of interest to you in its advertising pages.

The forty-fourth volume of the proceedings of the American Pharmaceutical Association has been published. This is much earlier than usual, and the Secretary, Chas. Caspari, jr., and Prof. C. Louis Diehl, the reporter, are to be congratulated on getting out the work so quickly. This volume is not as bulky as its predecessors of the last three or four years, but no fault is to be found on this point, since a large amount of matter which was not of much interest to pharmacists had been incorporated in the last three volumes. The volume of proceedings published by the A. Ph. A. is a work which should be in the library of every pharmacist; in fact, it alone might well form the pharmacist's library, as it contains an epitome of everything of value which has appeared in the chemical and pharmaceutical journals of the world, and is well worth the price of the annual subscription.

Manufacturers and jobbers having anything to sell the druggists are wise to say so through the JOURNAL AND GAZETTE. They all read it.

President Morrison has appointed the following Canadians on the Auxiliary Membership Committee of the American Pharmaceutical Association from the different provinces:—R. E. Coupe, St. John, New Brunswick; W. A. Simson, Halifax, N.S.; F. W. Flett, Toronto, Ont.; S. W. Dodd, Charlottetown, P.E.I.; R. W. Williams, Three Rivers, P.Q.; J. E. W. Lecours, Montreal; J. Emile Roy, Quebec. Canadian pharmacists desiring to join the Association should make application to their provincial representatives, as above, for application blanks and other information. We are certain that many more Canadians would become members if the merits of the Association were properly presented to them, as they have not been in the past, and it is to be hoped that the provincial representative will begin an active canvass of possible members.

Professor Herkomer has volunteered to produce a plate of Prof. Attfield, a proof engraving of which will be presented to every subscriber to the extent of ten shillings to the memorial fund. Our readers have all seen the letter sent out by the Treasurer, Mr. John Moss, which we published in our January issue, and we hope that those who have profited by Attfield's teaching will send in their subscriptions to the local Secretary, Prof. Jos. Bemrose, 56 St. Famille street, Montreal, as soon as possible. Canada should make a good showing in this memorial, as Prof. Attfield's work on chemistry has been the standard work used by pharmacy students in this country, and his pupils are now to be found everywhere and should help to swell the fund.

Twice within the last week we have received enquiries from parties asking for information as to where they can procure certain lines of goods they require in their business, and in each case the enquiry has been supplemented by the remark, "We don't see these goods advertised any place, and will be obliged if you will aid us in the matter." We can assure enquirers that it affords us pleasure to assist them, and say, send on your requests and we will give them attention. But we say to the party having goods for sale, "let the people know it." There is scarcely a prosperous concern in business to-day which does not owe a large proportion of that prosperity to the potent influence of printers' ink.

By the way, talking of the International Congress, what is the matter with the proceedings of the Chicago Congress held four years ago? It is surely time that they were printed and distributed.

The eighth International Pharmaceutical Congress will be held at Brussels from August 12th to 19th. Representatives of the European Associations will be in attendance, and several questions of interest to pharmacists will be presented. The Universal Pharmacopœia is dead and buried, so we suppose education and secret remedies will be the principal topics of discussion.

The list of queries proposed by the officers of the scientific section of the A. Ph. A. has been received, and we must commend these gentlemen on the eminently practical character of the questions proposed for resolution at the Lake Minnetonka meeting. They are just such as will interest the practical pharmacist and will no doubt bring out a large number of papers.

The value of the JOURNAL AND GAZETTE as an advertising medium has been demonstrated during the last month. One of our patrons inserted his first ad. in the February issue and during the month received eight orders, sufficient to pay for the year's advertising.

One of the amendments to the License Law, now before the Ontario Legislature, prohibits druggists from selling liquor in any quantities except on a medical certificate, and only up to six oz. on such a certificate.

The pressure on our space is so great this month that considerable matter of importance is crowded out, particularly a number of interesting letters on the work of the O.S.R.D.

Will the party advertising in this journal last issue over the name of *Novus* please communicate with this office.

ARGON HYDRATE.

MONS. P. VILLARD, *Comptes Rendus*, details an experiment by which argon was made to combine with water, forming a crystalline hydrate, analogous to those of other gases. The argon was subjected to a pressure of 150 atmospheres in a tube containing water at 0° C.; upon the tube being cooled, crystallization took place locally. It is, moreover, asserted that nitrogen, oxygen and air can be made to combine with water by a similar means; however, in their case a greater pressure is required.

If you handle



Pure
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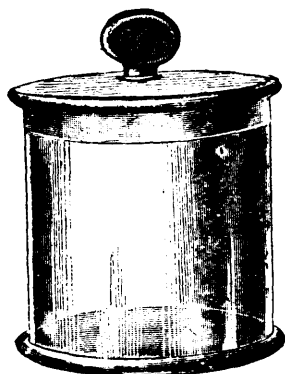
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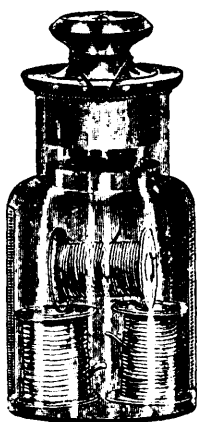
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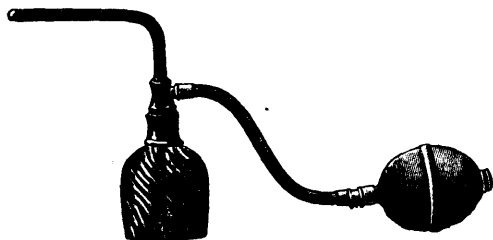
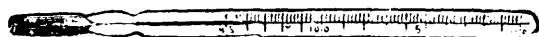


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FORMALDEHYDE AS A REAGENT.*

BY H. ENDEMANN, PH.D.

THAT formaldehyde and phenol unite is known, and no particular difficulty seems to attend this reaction, which results in the formation of bodies which may be described as diphenol-methane.

These bodies are colorless, but if they are treated with a dehydrating agent like chloride of zinc or concentrated sulphuric acid, colored bodies are formed, which become colorless again on the addition of water. The color produced depends upon the nature of the phenol. The evanescent nature of these colors makes it difficult, or perhaps impossible, to accurately determine the nature of this reaction, which takes place under dehydration; the fact, however, that colors are produced makes it probable that methane-hydrogen and phenol-oxygen are involved in this reaction under a process of condensation similar to such as are recognized as being the cause of the color of certain triphenyl-methane derivatives.

In order to produce the reaction I dissolve some phenol in commercial formaldehyde or formalin on the cover of a crucible. I then evaporate at low temperature, not quite to dryness, and add concentrated sulphuric acid. As far as examined the color reactions with the various phenols are:—

The Solid.		The Solution.	
Phenol	Fuchsin-colored	....	Fuchsin-colored.
Salicylic acid.....	Red .....	....	Fuchsin.
Eugenol	Brown with shade of Bordeaux		
Carvacrol	Orange to orange-red.		
Guaiacol	Violet, quickly brownish-violet		
Resorcin	Scarlet-red.....	....	Orange.
Hydroquinone.....	Brown.....	....	Brown.
Thymol	Faintly fawn-colored (due to impurity ?).		
a-Naphthol.....	Green .....	....	Brown.
b-Naphthol.....	Green, then black ..	....	Green.
Pyrogallol	Red.....		
Haematein	Red, then brown		
Tannin	No reaction		

This reaction is not confined to formaldehyde, but is likewise produced by other aldehydes, The colors, however, differ; for instance, phenol and benzaldehyde give brown solid and brownish-yellow solution. While we may therefore use formaldehyde as reagent for phenols, we may use the phenols as a reagent for formaldehydes.

The journals brought us lately the news of a process of weighting silk by converting the sericin or silk gum into an insoluble body by means of formaldehyde. I have employed the above mentioned reaction for the purpose of discovering this practice.

White silk, when treated with concentrated sulphuric acid in the cold, does not exhibit any striking reaction. The silk becomes at first yellow—so does the solution, then orange, and while the silk is dissolved and water is absorbed from the air, the solution assumes a faint violet tint.

If the silk has been treated with formaldehyde to set the sericin, it becomes, with sulphuric acid, quickly a rich brown, and after standing under a gradual absorption of water, olive-green to green. The fibre, although losing in cohesion, seems insoluble.

Silk treated with formaldehyde and then repeatedly and thoroughly washed with hot water, does not respond to the reaction.

THE DRUGGIST AS A BUSINESS MAN.

THE question which now seems uppermost in the professional mind is that of higher education. There is an unmistakable tendency in our schools toward an extension of both the time and the curriculum, and all reports that come to us from the various pharmacy boards record the adoption of more stringent methods of examination, which will call for more extended attainments on the part of the candidates for registration. There is no prospect that the path to the practice of pharmacy will ever be less difficult than at present; the indications all point the other way. While this good work is going on, and all efforts are concentrated to one end, is there not danger that some of the essential qualifications for the practice of pharmacy will be overlooked? Is there not danger that the graduate will become so well grounded in the decimal scale of grams and centigrams that the decimal scale which runs dimes into dollars will fall into neglect? In other words, how is the pharmacist to obtain a business education? In a business world, where the failures are said to bear a ratio to the successes of nineteen to one, is it not within the bounds of propriety to insist upon an acquaintance with the rules which govern commercial transactions? It may be said that such knowledge may be gained from a preceptor. But are the majority of preceptors competent instructors in such matters? The fact that the man is in the drug business, and has an apprentice, cannot be accepted as evidence that he is a successful business man. There are many brilliant successes in the ranks of the retail druggists, and there are quite a number of equally brilliant failures, and it is feared that the former are not numerous enough to furnish separate educational institutions for the instruction of the throng of embryo proprietors, upon whom we must depend for the future conduct of our drug stores. The subject is one which may well

* Read at a recent meeting of the New York Section of the Society of Chemical Industry.

engage serious attention. It is believed that there are many successful druggists who take pride in their success, and are disposed to give others the benefit of their ideas. The druggist as a business man is a subject which is far from exhausted. The purchase and selling of goods, book-keeping with its debits and credits, the arrangement of the store, the advertising, the treatment of clerks and customers, and the stoppage of many little leaks in the money drawer, are themes upon which much can be said and to which thorough attention should be given.—
Notes on Pharmaceutical Products.

MEDICATED SOAPS.

BY DR. W. MINOR.

THOSE soaps known as medicated are produced from ordinary soaps by the addition of chemicals, drugs, etc. These soaps contain the same therapeutical properties that are inherent in the respective chemicals or drugs that enter into their manufacture. In manufacturing these soaps care is taken that the chemicals used are not of such a nature as will decompose them. For instance, if chlorinated lime were added, the result would be a complete decomposition; for the reason that the soap—a compound of fatty acids with sodium or potassium—together with the constituents of the chlorinated lime, viz., calcium chloride, calcium perchloride and calcium oxide, forms a calcium salt of the fatty acids on the one hand, and chlorides, perchlorides and hydrates of the alkali, on the other. The impossibility of making a chlorinated lime soap is therefore obvious.

But in manufacturing a borax soap, the addition of the borax, *i.e.*, sodium borate, does not produce a decomposition of the salts of the fatty acids. A borax soap, therefore, is rightly a medicated soap.

The innumerable medicated soaps that are on the market can accordingly be divided into two classes:

1. Actual medicated soaps.
2. Those products in which the soaps, as well as their respective chemicals, have totally or partially lost their effects, in consequence of chemical reaction having taken place between the soaps and the medicaments used in them.

In this connection we shall mention a few of the most noted medicated soaps, such as boracic acid, salicylic acid, and corrosive sublimate soaps, of the one category, and resorcin, carbolic, sulphur, tar and potassium iodide soaps, on the other.

As regards the first three mentioned, a chemical reaction sets in by the salicylic acid, decomposing the compounds of the fatty acids with soda, forming sodium salicylate and free fatty acids; boracic acid changing likewise

into sodium borate and free fatty acids, while the mercuric bichloride converts the soap into sodium chloride and mercuric oleate.

Thus, it will be seen, the chemicals added to these soaps have lost their true therapeutical properties, by the boracic acid yielding sodium borate, and the mercuric chloride giving mercuric oleate; and besides, these soaps have essentially lost their good qualities for washing purposes.

If, on the contrary, we turn our attention to the others, for instance, the potassium iodide soap, we will find quite a different state of affairs, because the soap as well as the potassium iodide remains unchanged.

Carbolic acid and resorcin soaps are likewise stable soaps, as both chemicals belong to the group of phenols, and not to the acids, and, therefore, the fatty acid compounds of the alkalies cannot be disintegrated.

Sulphur is also indifferent to pure soaps, as are likewise products of tar, known as phenols and carbohydrogens. Tar and sulphur soaps must, therefore, be regarded as belonging to that class of medicated soaps which has the greatest stability.

But with the sulphur soaps it must be noted that the soap bases produced unto which the sulphur is added, must be absolutely free from caustic alkalies and their carbonates, otherwise a part of the sulphur will be combined with the free alkali forming sulphides, and imparting to the soap the disagreeable odor of sulphuretted hydrogen.

From the above it will be seen that the purchaser of medicated soaps should take care to avoid those which contain such chemicals that will decompose the soap, and not be the buyer of worthless goods.

In general, it may be stated that the real medicated soaps always have been and always will be tar soaps, sulphur soaps, and carbolic soaps.

Success Due to Scientific Methods.—The Apenta Hungarian Aperient Water, drawn from springs near Buda Pest, is, as the analyses made by various authorities show, a superior laxative water, and, as it has been exploited under eminent scientific control, it has secured the support of the medical profession, so much so that it is employed in the hospitals of almost every important city in the country. Among the many leading institutions which may be named are: Montreal General Hospital, Royal Victoria Hospital, Hospital Notre Dame, Montreal; Toronto General Hospital, the Hospital for Sick Children, Grace Hospital, Toronto; County Carleton General Protestant Hospital, Sick Children's Hospital, Ottawa; Loudon General Hospital, London; Victoria General Hospital, Halifax.

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Orders by Mail receive our most careful attention, and customers can rely on getting first values and prompt service.



My Spring Sporting Goods Catalogue will be out in March, and if your name is not on our mailing list, please drop us a card, and you will receive a copy as soon as out of the printers' hands.

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**Fancy Goods, Wheeled Goods,
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is now complete, and our travellers are offering exceptional values which no merchant can afford to overlook.

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COUNCIL MEETING.

THE Council of the Ontario College of Pharmacy held its regular semi-annual meeting in the board room of the College, commencing on Tuesday, February 12th, 1897. All the members were present except Messrs. Scott and Days, President J. H. Mackenzie in the chair. The principal item of business occupying attention the first day was the submission of the Registrar-Treasurer's report. This showed, among other things, that 130 applications for registration of apprentices had been received, and also that the financial position of the College continues to improve. Receipts amounted to \$14,926.47, made up on renewal fees, apprentices' fees, sale of poison books and the various fees of the teaching department, the one item alone of students' fees being \$10,243.14. Expense account being considerable less than receipts, leaves a handsome balance of \$8,855.16 on hand. The report was referred to the Finance Committee. At the second session on Wednesday, Report No. 1 of the Finance Committee was presented, showing the present mortgage indebtedness against the College to be \$10,000, to meet which there is on special deposit in the savings bank \$2,687.19 and in current account \$6,134.87. From the latter the Committee recommended the withdrawal of \$2,500 to be added to the special deposit account in savings bank; out of this account the President and Registrar were authorized to draw \$1,000 and pay to the mortgagee on May 30, 1897. From the above statement it will be seen that the actual indebtedness against the College is a trifle less than \$5,000. Such a favorable showing prompted Mr. Roberts to give notice of motion as follows:

"That in view of the fact that the finances of the College are in such a prosperous condition, and that by the end of next year it is expected its mortgage indebtedness will be provided for, a rebate of three dollars be allowed those chemists who pay their annual fee before the first day of May in each year."

When this motion came up for discussion the next day the majority of the Council, while in sympathy with it, advocated deferring such action until the mortgage debt was discharged. The matter was disposed of by referring to the Finance Committee, who afterwards reported against any change at the present time and recommended the matter be laid over for future action.

The report of the Committee on Education presented by Chairman Daniels, caused a lengthy and somewhat heated discussion. In recommending the renewal of the contracts with members of the faculty some changes of

salary had been decided on which did not meet with the approval of the Council. Afterwards, in consideration of the report in Committee of the Whole, Mr. Waters moved in amendment that the figures be: Prof. Heebner, \$2,000, as now; Prof. Scott, \$1,100; Prof. Chambers, \$1,000; and Prof. Fotheringham, \$900. This finally prevailed and had the effect of reducing Dr. Scott \$100, increasing Dr. Chambers \$150, leaving the Dean and Dr. Fotheringham unchanged.

Report No. 2 of the Committee on Education, presented on the last day, approved of the suggestion from the examiners to raise the standard of matriculation and establish a two years' course. It also recommended the construction of a bicycle stable and some repairs to the building.

Mr. Karn's report of the Infringement Committee was interesting, showing in detail the work of the half year. In presenting this report Mr. Karn expressed the belief that the improved condition of the drug trade was largely due to the good work of this Committee.

On motion of Messrs. Daniels and Karn, Mr. I. T. Lewis was re-engaged for another term of two years as Registrar-Treasurer. Different members of the Council took advantage of the occasion to express their appreciation of Mr. Lewis' good work in the past.

This being the last session of the present Council, a hearty and unanimous vote of thanks was tendered President Mackenzie for his able administration of the College affairs, and the impartial manner in which he had filled the chair.

Council adjourned until August.

T. R. D. A.

THE regular monthly meeting of the T. R. D. A. was held in the College building on Friday, February 12th, President McCann in the chair.

Minutes of last meeting read and adopted.

Mr. Flett presented the report of the Committee on Revision of the By-laws. A number of changes were recommended, but none of importance. The report was adopted as read without discussion.

The Committee on Sunday Closing Hours reported the results of a canvass of the city. A number of questions had been issued asking for opinions on the subject, to which 75 per cent. of the members responded. Two out of the lot wished the stores closed all day; 11 were not favorable to closing any part of the day; the balance favored closing for periods ranging from two to seven hours.

The subject for the afternoon discussion was "Liquor in the Drug Store." The affirmative

side was sustained by Messrs. Hargrave (W. A.), Marshall and Mackenzie. The negative by Messrs. Flett, Robinson and Dr. Snider. By a vote of eight to seven it was decided that the affirmative had advanced the stronger arguments. Owing to the absence of Mr. Gibbard, the subject of "The Future Relationship between the Retail Druggist and Patent Medicines" was not brought up, but will afford the topic for discussion of the March meeting.

We are pleased to note that the interest in these meetings is on the increase, and promises a justification of those who interested themselves in resuscitating the society.

ANNUAL DINNER OF THE ONTARIO COLLEGE OF PHARMACY.

"A MOST successful and enjoyable function" was the verdict of all who had the pleasure of being present, and the remark applied from the lifting of the first cover to the last strains of "Auld Lang Syne," which floated out on the night breezes in the wee sma' hours of morning. The repast provided was creditable, not only to the members of the committee in charge, but also to that hostelry of good cheer, the Rossin. The board over which Chairman Griffin presided was surrounded by over one hundred of the students and their invited guests. It is needless to remark that full justice was done to the good things provided, from the announcement of soup—

"Dire was the clang of plate, of knife and fork
That merciless fell like tomahawk to work,"

until wine and cheese, when each declared—

"If need be, I am ready to forego and quit."

The chair was occupied by B. Griffin, president of the graduating class; on his right being Rev. Wm. Patterson, of Cook's Church, Toronto, and on his left Professor C. F. Heebner, Dean of the College.

The invited guests were Professor Heebner, Dr. Chambers, Dr. Scott, Dr. Fotheringham, Dr. Anderson; Isaac T. Lewis, registrar of the School; Paul L. Scott, Paris; J. Dyas, G. E. Gibbard, Rev. William Patterson; W. A. Karn, Woodstock; A. E. Cox; W. Murchison, Parkdale; C. D. Daniels; G. W. Spackman, Hamilton; A. R. Fraser, Toronto; D. A. White, Woodstock; H. Watters, Ottawa; J. McKee, Peterboro', and J. F. Roberts, Parkhill.

There were also delegates present from the Toronto Medical College, the Dental College and Toronto University, the first being represented by J. R. Nixon; 'Varsity by Mr. H. Little, and the Dental College by Mr. J. McLean.

Letters of regret were read from Mayor Fleming, Hon. A. S. Hardy, Hon. G. W. Ross,

Hon. William Mulock, Dr. Parkin, Principal Upper Canada College, and Professor J. Loudon, President of Toronto University; Mr. J. T. Pepper, of Woodstock, an examiner, who wrote wishing the boys a good time, and promising to meet them in May and provide an entertainment for them.

The menu card was a tasteful production of art, ornamented with the College colors, red, yellow and black, and bearing on its outside cover the College arms, with the greeting—

"Once more we come with heart and hand
In warm and earnest greeting;
Once more we form in goodly band
A free and cordial meeting."

On the inside were well executed cuts of Professors J. T. Fotheringham, Graham Chambers, Charles F. Heebner, A. T. Scott and Registrar I. T. Lewis.

The quotations interspersed throughout the bill of fare were well selected and to the point. The first

"As much valor is to be found in feasting as in fighting,"

and the last

"Has he so long held out with me untired
And stops he now for breath? Well, be it so,"

were most apropos.

From 9 until 10.30 the viands were discussed to the strains of music furnished by Neapolitano's orchestra.

An excellent programme of toasts, songs and choruses had been provided, and was introduced by President Griffin in a few well chosen remarks. The toast of "The Queen" was duly honored, when the proceedings were fairly launched by the College cry:

"Ethane, Methane, O. C. P.
Ether, Meter, Pharmacy,
Monodelphous, Neucleii,
Olein, Stearine, Cetaceii,
Who are we ???
We are from the O. C. P.
P-h-a-r-m-a-c-y—Rah! Rah! Rah!"

With lungs seemingly trained for the occasion, the boys delivered this with a lustiness equal to the war-cry of a North American Indian. Canada came next, and was responded to by the Rev. Mr. Patterson in one of those happy efforts full of wit, wisdom and patriotism in which the sons of Erin so easily excel. The O.C.P. was introduced by Mr. Hall, and the names of Messrs Daniels and Karn coupled with the toast. These gentlemen were both equal to the occasion and were most happy in their responses, Mr. Karn dealing particularly with some of the causes of the depressed condition of pharmacy in Canada to-day—the departmental store is only one of a number. Over competition prevailed. This could be in a measure remedied by compelling every phar-

macist to keep a qualified assistant, instead of frequently leaving the store in the charge of inexperienced boys.

"The Faculty" was proposed by Mr. G. H. Ireland, Professors Heebner and Chambers responding, the former strongly urging upon the class the necessity of post graduate work, and instead of selling the books used during college days, to cherish them, not only as reminders of a pleasant period in life, but for purposes of continued study and improvement.

"Board of Examiners" was proposed by Mr. Day, and responded to by Dr. Sneath and Mr. Paul S. Scott. The Dr. took occasion to correct a mistake which prevailed, that this was the third students' dinner, when in reality it was the fourth, the first having been held in 1883 when he was a student.

The "Medical Profession" was proposed by Mr. Wallen, and Dr. Fotheringham responded.

Mr. Woodland proposed and Mr. Cox responded to "Graduates."

"Sister Institutions," by Mr. Hunter, was acknowledged by Mr. Nixon on behalf of Toronto School of Medicine; Mr. Little spoke for 'Varsity and Mr. McLean for the Dental College.

Messrs. Dyas and Gibbard for the "Pharmaceutical Press," and Mr. Huxtable for the "Ladies" closed the toast list.

The musical part of the programme was well sustained by songs from Messrs. Graham, McKay and Newborne, a piano duet by Messrs. Scarff and Schafer, and choruses by the boys.

"Auld Lang Syne," with all hands round, brought to a close the dinner, of which the boys of '97 have reason to be proud.

MEETING OF SPECIAL JOINT COMMITTEE.

THE first meeting of a special committee appointed by the Wholesale Dealers' Association at their last meeting, was held in Toronto, at the office of Mr. R. L. Gibson, Wellington St., on Tuesday, February 16th. The object of the committee, as stated in a resolution passed by the association, is "to make a careful enquiry as to whether it is practicable to formulate a plan by which the manufacturer, in conjunction with the wholesaler, may dictate to the retailer that certain patents shall be sold at not less than advertised prices, thus affording protection to the retail druggist."

There were present on behalf of the manufacturers Mr. Johnston (of Wells, Richardson & Co.) and Mr. R. L. Gibson (of Maltine Co.); for the wholesalers, Messrs. David Watson (Kerry, Watson & Co.), and Archdale Wilson; for the retail association, Messrs. R. Ferrah, Galt, and G. E. Gibbard, Toronto. The question of cutting and cutters was gone into most thoroughly, and the various plans presented

carefully considered. No definite course was decided on, as the committee realized that in a matter of such grave importance, and far reaching effect, hasty action was unwise.

It was finally decided to adjourn for one month that an opportunity might be afforded to procure all available information bearing upon the question from the different associations engaged in fighting the evil. The committee will meet again in Montreal on March 23rd.

TORONTO SOCIETY OF DRUGGIST ASSISTANTS.

FOR some time a few of the more progressive among the city assistants have been working in the line of an association of undergraduates. Their efforts have resulted in the formation of such a society. On the evening of February 9th the first meeting was held at the Tremont House. After a discussion of the "aim and objects" the meeting proceeded to organize by first electing officers. The choice for the different positions was as follows: Hon. president, Mr. W. J. Dyas, editor *Canadian Druggist*; hon. vice-president, Mr. B. Tobin; president, Mr. W. Spinks; secretary, Mr. G. A. Ross; treasurer, Mr. H. L. Yarnold. Executive committee—Messrs. G. E. Gibbon, J. Langdon, D. Garrow, H. Young, M. Forrest, J. English.

A committee, consisting of Messrs. Spinks, Ross and Tobin, was appointed to canvass the city and interest the assistants in the work of the society. The objects in view are the creating and fostering of a more lively interest in their professional welfare, and also a bettering of the social position.

A second meeting for the completion of organization was held Feb. 16th, at the Y.M.C.A. Hall, Yonge and McGill streets; increasing interest was manifested by an enlarged attendance. President Spinks in the chair, and all officers present. The principal business of the evening was dividing the city into three districts, and appointing a committee on membership, consisting of Messrs. Young and Spinks in charge of No. 1, west of Spadina; Messrs. Garrow and Rowse for No. 2, between Spadina and Sherbourne; Messrs. Tobin and English for No. 3, east of Sherbourne.

The next meeting of the association will be held at the same place, on Tuesday evening, March 2nd. We would commend the association to the good will and active sympathy of the city employers, as nothing but good can come out of such organizations if conducted along the proper lines.

Don't tell your troubles to the public; they will not share the burden with you.

Answers.

[We intend to make this one of the most interesting departments of the CANADIAN PHARMACEUTICAL JOURNAL, and therefore request our subscribers to help us by sending for information on any subject of interest to pharmacists, which we shall try to answer to the best of our ability. Address all communications to the Editor, CANADIAN PHARMACEUTICAL JOURNAL, 43 Church St., Montreal]

ONGUENT CANET.—(B.) Montreal.—This ointment is occasionally prescribed by French physicians. The formula, according to Dorvault, is as follows:

Simple Plaster	1 oz.
Lead	1 oz.
Yellow Wax	1 oz.
Olive Oil, of each	1 oz.

Heat together and add with constant stirring, colcothar 1 oz., triturated with half an ounce of oil.

DOVER'S SYRUP.—(R.) Montreal.—The formula of the *National Formulary* yields a perfectly satisfactory preparation. It is as follows:

Syrupus Ipecacuanhæ et Opii.	
Syrup of Ipecac and Opium.	
Syrup of Dover's Powder.	
Fluid Extract of Ipecac	8.5cc.
Tinct. Deodorized Opium.....	85 cc.
Sugar	775 gm.
Cinnamon Water, a sufficient quantity to make	1000 Cc.

Mix the fluid extract and tincture with 350 cc. of cinnamon water, and filter; to this add the sugar and enough water to make the product measure 1000 Cc.

By the way, why do you not buy a copy of the *National Formulary*? Every pharmacist who lays claim to being progressive should have one.

COLORS FOR SHOW BOTTLES.—(C.C., Ontario.)—Colors for show bottles may be prepared by dissolving the necessary aniline dyes in a mixture of 25 parts of methyl. spirit and 75 parts of water, but the solution thus prepared has the disadvantage of losing color when exposed to the light; the addition of a small quantity of the dye will, however, restore the color. The solutions of salts as follows, give permanent colors and keep well. They should be carefully filtered through glass wool, and, if possible, only distilled water should be used. If the solutions are likely to be exposed to great cold, as in winter, 25% of methylated spirit should be added.

Blue.

Sulphate of Copper	10
Sol. of Ammonia	40
Water to make	1000

Green.

Sulphate of Copper	50
Hydrochloric Acid	45
Water to	1000

Green.

Copper Sulphate	35
Ammonium Chloride	35
Water to	1000

Purple.

Copper Sulphate	50
Solution of Ammonia	100
Water to	1000

Pink.

Cobalt Oxide.....	1
Nitric Acid.....	45
Water to.....	1000

Yellow.

Potassium Bichromate	30
Sodium Carbonate	20
Water to.....	1000

Dark Red.

Alum	10
Potassium Iodide	10
Water to.....	1000

Red.

Add Liq. Carmini (N.F.) to water till required tint is produced.

SULPHUR CHLORIDE.—(L.) Toronto.—Sulphur chloride is a reddish yellow fuming liquid, with a disagreeable, suffocating odor, employed to a considerable extent in rubber factories in the galvanizing process. It dissolves sulphur and phosphorus. It is made by passing chlorine into sublimed sulphur, and distilling the resulting mass to separate uncombined sulphur.

It has been recommended by Milton, of London, in acne, in the form of an ointment made with lard and almond oil.

Sulphur Chloride	30 grs.
Almond Oil.....	2 drs.
Benz. Lard.....	4 oz.

NAIL POLISHING POWDER.—(Toronto.)—Putty powder or oxide of tin, perfumed and colored with carmine, is usually used for this purpose. You might take

Putty Powder	1 oz.
Carmine in fine powder	10grs.
Otto Rose.....	2 minims

Mix well.

Oleate of tin has been used also of late years, and is by many preferred to the oxide. To prepare it, take 1 oz. of white castile soap and dissolve in one pint of water, by heat if necessary; then add solution of tin chloride till no further precipitate forms; wash and dry the precipitate. The oleate may be colored and perfumed as the oxide, but will require less carmine to produce a good color, as the latter is of a darker tint.

By adding the requisite quantity of white petrolatum to the powder, a nail polishing paste may be obtained.

Recent Papers.

ON SOLUTIONS OF COCAINE HYDROCHLORATE IN CHERRY LAUREL WATER.—Leon Daclin.—*L'Union Pharm., Jan., 1897.*

The author draws attention to the incompatibility of the cocaine salt with hydrocyanic acid. He found that a precipitate of cocaine hydrocyanide was formed especially in fairly concentrated solutions, which in the case of hypodermic injections might produce serious results. A sample of cherry laurel water assaying .0496 per cent., after addition of the cocaine salt and separation of the precipitate, assayed only .0216 per cent., and on testing the precipitate it was found to be a compound of cocaine with hydrocyanic acid. He also found that this reaction could be prevented by the careful addition of lime water till the solution again became clear.

INCOMPATIBILITY OF SALOL AND CAMPHOR MONOBROMIDE. — M. Pellansy. — *Repert. de Pharm.*

On mixing equal weights of these two bodies it was found that in warm weather they liquefied, while if kept in a cool place they preserved their pulverulent condition.

SOLUTION OF CALCIUM PHOSPHATE WITH CREOSOTE.—A. Lambert.—*Bull. de la Soc. de Pharm. de Sud Ouest.*

Calcium phosphate	18.5
Hydrochloric acid.....	14.5
Beechwood creosote	6.6
Alcohol	180.
Water to	1000.

Dissolve creosote in alcohol, triturate the calcium phosphate with 15 to 20 parts of water, and add the acid and enough water to dissolve the salt, mix with the alcoholic solution of creosote, and add enough water to make 1,000 parts.

A new Butter Tester is described by Dr. Alexander-Katz in *Cent. Blatt. fur Nahrung und Genussmittel-Chemie* which is simply a glass vessel, into the side of which the word butter is burnt in blue color. On heating a sample in this vessel twice, the letters should be perfectly legible, but the slightest addition of foreign fat obscures the reading. This depends upon the fact that butter containing oleo-margarine, etc., remains slightly cloudy after being twice melted. This apparatus should meet with extended use, especially in commerce, as it is a very simple and rapid means of detecting falsification.

THE ALKALOIDS OF BELLADONNA.—E. Kremel.—*Pharm. Zeitung.*

The author has assayed belladonna in the fresh state, and finds the average percentage in

the various parts calculated to the dry herb to be as follows :

Root	1.75 per cent.
Stem.....	0.616 "
Leaves	0.70 "
Unripe fruit	0.60 "

He also finds that on drying, a certain percentage of the alkaloids is driven off, since after drying the root yielded only .95 per cent. instead of 1.75, and after a year it assayed only .70 per cent. The author also studied the influence of the season on the alkaloidal content, and found that roots collected in the spring averaged .88 per cent. and in autumn .225.

EXTEMPOREANEOUS PREPARATION OF CHLORINE WATER.—G. Griggi.—*Bull. Chimic.-Pharmac.*

One of the methods proposed is based upon the action of sulphuric acid on sodium chloride in the presence of minium; but the product is contaminated by the presence of sodium sulphate, which may have an injurious effect in certain reactions. To remedy this, the author proposes to prepare chlorine water by the action of oxalic acid on calcium chloride in the presence of minium or lead peroxide, by which the lead and calcium are precipitated as insoluble oxalates, only the chlorine remaining in solution.

BALSAMORRHIZA TEREBINTHINACEA.—Prof. L. E. Sayre.—*Druggists' Circular, Feb., 1897.*

Prof. Sayre reports the results of a proximate analysis of this drug, which in certain parts of the Western States, notably in Idaho, has acquired a considerable reputation as a remedy in heart diseases, and in the tobacco habit. The plant is a native of western Idaho and eastern Oregon, and belongs to the compositæ. The root is much contorted, varying in length from one to six inches, sub-cylindrical and having a triangular tendency. It has a large crown composed of numerous branches, which are densely covered with closely appressed hairs that extend and mingle themselves among the underground stems which surmount each branch. Externally, shaded from light brown to almost black, deeply fissured from the uniting of branches, and frequently annulate. The wood fibres are light yellow or nearly white; the root is of an open, spongy texture, the pores being filled with a brownish yellow resinous balsam. The root has a strong terebinthinate odor and is very inflammable. The taste is exceedingly pungent and aromatic, producing a persistent tingling sensation upon the tongue and throat.

Analysis showed the root to contain 9.25 per cent. of moisture, 5.72 per cent. of ash; the constituents of which were potassium, sodium, calcium, magnesium, iron and phosphoric acid.

The chloroformic extractive amounted to 15.24 per cent., of which 0.42 per cent. was volatile oil, 5.28 per cent. fixed oil, 8.96 per cent. resin.

From the analysis it appears that the active constituent is a highly aromatic oleo-resin.

TERPIN HYDRATE.—Edward T. Hahn.—*Amer. Jour. Pharmacy*, Feb.

The author describes some experiments in the preparation of terpin hydrate, using the formula suggested by Carl Hempel and W. A. Tilden, in both of which ethyl alcohol was used, but on account of the high price of this body methyl alcohol was used as follows:—

1 Oil of turpentine	120 cc.
2 Methyl alcohol (.801)	30 cc.
3 Nitric acid (1.35).....	30 cc.

The liquids were mixed in this order and allowed to stand in a flask for three days and poured into a flat dish. 30 cc. of water were added to the mixture, with the result that the liquid separated in a shorter time than usual. The resulting crystals weighed 7.32 grammes, and on recrystallization from hot methyl alcohol 3.2 grammes of pure terpin hydrate were obtained.

PURE SPERMACETI.—Lyman F. Kebler.—*Amer. Jour. Pharmacy*.

Mr. Kebler has continued his investigations on this substance, which he reported upon a year ago. Working on guaranteed pure samples, he finds that the specific gravity at 15°C. should be between .8900 and 0.9000. The method which he recommends is as follows: The melted spermaceti is poured into a warmed pycnometer, the stopper inserted and the bottle placed in boiling water, so that only the neck projects, and kept there for one hour, then the bottle is removed, dried, cooled and weighed.

NOTE ON GUAIAECUM RESIN.—F. L. Smith, *Pharm. Journ.*, Feb. 6.

The percentage of insoluble residue in guaiacum resin is not specified in the B. P., and the author carried out an experiment to determine the average percentage, from which he finds it to amount to 15.7, the ash of which amounted to 3.36 per cent. He recommends that the pharmacopœia should define the limit of insoluble matter.

NEW REMEDIES.

GEOSOTE,

the valerianic acid ether of guaiacol, is a yellowish oily liquid of specific gravity 1.037, slightly soluble in water, readily in alcohol, ether, benzol, and chloroform. It is generally given in 3-grain capsules, and is said not to dis-

turb the stomach, nor to produce the eructations caused by creosote. It has been found useful in chlorosis, acute gastric and intestinal catarrh, tuberculois, and articular rheumatism.

CITRUREA

is a compound of urea, citric acid, and potassium bromide.

GUAIACOL PHOSPHATE

is a white crystalline powder, soluble in alcohol, chloroform, and acetone. It is recommended for use instead of guaiacol and is given in the same doses.

ACETONE SOLUTION OF COAL TAR

is highly recommended by Glassner and Sack in eczema accompanied by intense pruritus. It is prepared as follows:

Coal tar.....	10 parts.
Benzol	20 "
Acetone.....	70 "

The affected parts are to be painted with the solution, pure, or with the addition of 5 per cent. of salicylic acid, or with a mixture of 2 per cent. salicylic acid and 8 per cent. of resorcin.

CHORUS SUNG AT THE O. C. P. ANNUAL DINNER.

VIVE LA PHARMACIE.

Bring hither a beaker and fill it with wine,
Vive la Pharmacie,
And pledge Alma Mater with ninety times nine,
Vive la Pharmacie.

CHO.—Vive le, vive le, vive le roi,
Vive le, vive le, vive le roi,
Vive le roi, vive la reine,
Vive la Pharmacie.

Here's to the Council who meet twice a year
To deal out the parchments we are working for here.

The Professors come next; they are not a bad lot,
There's Heebner and Fotheringham, Chambers and Scott.

Then, too, there is Anderson, the Microscopy man,
We are confident for us he will do all he can.

Here's to Isaac Lewis, he's a very good head,
The College will miss him when he is dead.

Now to our Janitor, his health will be sung,
He's very obliging, and he also is Young.

Here's to the Grads of years that have passed,
We all hope in the Spring as such to be classed.

We all know that good Pharmacists will go to Heaven,
And so will the Grads of this '97.

Italy proposes to take the sale of quinine out of the hands of the druggists, and to make it a Government monopoly. Druggists sell it at the rate of from £10 to £20 a pound, while the Government gets it for the army at £1 a pound.

Pure Powdered Drugs

The working pharmacist appreciates the value of **PURE DRUGS**, perfectly powdered and ground, in manufacturing galenical preparations. The value of a finished product depends greatly on the manipulation in making. The British Pharmacopœia orders crude drugs ground to a certain fineness. We will supply these absolutely correct, and from drugs carefully inspected.

Your old Drug Mill

is useless. We have the **latest improved machinery**. Our products are sold by all wholesale druggists, or direct, in $\frac{1}{4}$, $\frac{1}{2}$, 1 and 5-lb. containers.

The Holgate-Fielding Co.

LIMITED

TORONTO, ONTARIO

They tell their **W** WE are confident that the following remarks will not be considered egotistical, as they are the peculiar traits of our character that have made our popularity.

own story **A touching narrative**

We attribute our success to the purity of this friend's influence in all our relations with him. Every member of the family possesses a good strong body, long-reaching propensities, and stands on his own individual merit; but notwithstanding this we have seen the hard side of life—in other words, we have "come through the mill," and have been ground down time and again by those in control of us.

In the face of this hard, severe usage, we have been compelled to remain on the outside of the house and endure all the inclemencies of the weather—the scorching heat of the sun, as well as the piercing cold—the terrific rainstorm and the driving hail, sleet and snow. Others, again, have compelled us to lie on floors, tables, chairs, etc., but despite all these trials we challenge our enemies to charge any one of us with being a turn-coat; and, by being steadfast and true to our colors, have won the admiration of hosts of friends in this fair Dominion.

We despise misrepresentation and chicanery in business life, and our experience has been that those who employ these miserable subterfuges are always compelled to give way before the intelligent examination of the thoroughly practical painter.

We are known as Robertson's Ready Mixed Pains, Dry Colors, Dipping Paints, Enamels and Stains, each one specially prepared and adapted to the duties of its particular vocation.

We are now welcomed to the best homes of this country, and one sterling quality makes us most desirable household companions—we know when to dry up. We owe our existence and careful training to our makers, **The JAMES ROBERTSON CO., Ltd., The Paint Makers, 263-285 King St. West, TORONTO.**

HARRY SHERRIS, President.

W. MURCHISON, Vice-President.

C. D. DANIEL, Sec'y-Treasurer.

The **Toronto Pharmacal Co., Ltd.**

Office: 136 Bay Street, TORONTO

MANUFACTURERS AND AGENTS WHOLESALE.

Some of our Seasonable Specialties:

Castorol, for children	Hallamore's Antibilious Mixture	Fluid Magnesia, 14-oz. bottles
Celery Seidlitz, 10c. and 25c. sizes	Hallamore's Pills	Petroleum Jelly in bottles and bulk
Coughsease, lozenges	Beef, Iron and Wine	Red Tonic Pills
Daisy Butter Color, 10 and 25c. sizes	Burdock and Sarsaparilla, two sizes	Comp. Syr. Hypophos., 1-lb. bottles
Dean's Cure	Comp. Syr. White Pine, 10c., 25c. and	or bulk
Dean's Cure Pills	16-oz. bottles; also in bulk.	"Scat" Rat Poison, two sizes
Dr. Goode's Female Health Pills	Comp. Syr. White Pine and Tar	"Kill 'Em Quick," two sizes
Elite Hair Dye	Perfect Emulsion Cod Liver Oil and	White Pine Cough Drops
Hallamore's Expectorant	Hypophos., two sizes and in bulk	Fly Discs, in 5c. packages

More complete list, with prices attached, mailed upon application.

Nearly all of the above can be obtained in 3-doz. lots, with Druggist's name, without additional charge.

Agents for Canada for **Neave's Food** **Blair's Gout and Rheumatic Pills**
Coutts' Acetocoura **Odoroma** **Pepper's Liverettes**

Correspondence with druggists especially invited. Our views may not be your views, but in all matters where your interests alone are at stake we will cheerfully make ours conform to your needs.

The Toronto Pharmacal Company, Limited.

Correspondence

St. Thomas, January 18th, 1897.

Editor C. P. Journal, Montreal, Que.

DEAR SIR,—Having noticed a Students' Department in the PHARMACAL GAZETTE which was edited by yourself, and to which I was about to subscribe when I noticed it in this journal, and I presume now that it is the same, I think it is a great benefit to students, and am only too glad to think that things have changed so that I am able to benefit myself by the splendid opportunity you offer. I think that this part alone is well worth the subscription not only for students, but for past-graduates, if they would only use it to good advantage.

Yours truly,

THEO. B. TWEEDALE.

GUELPH, Feb. 15, 1897.

DEAR SIR,—In your editorial on the patent medicine trade you seek to convey the impression that not one of the manufacturers in that line have been faithful to the agreement with the O. S. of R. D. I do not know about other firms—I presume they are quite able to look after themselves—but as to the firm I represent I may say that they have not alone tried to carry out the letter of the agreement, but the spirit as well. They have no account to-day with the wholesale grocers in Ontario, although the agreement gives them that privilege, and to-day there is not a wholesale grocer or any other jobber, barring the drug jobbers, handling the Turkish Dyes and the Herbine Bitters. I am glad to state that these two lines of goods are with but few exceptions sold at the full price. I am also in a position to state, so far as the district I represent is concerned, that no departmental or cut-rate general store has been able to get a continuous supply of the Turkish Dyes and Herbine Bitters. You admit yourself that the fact of a tea firm and a couple of perfume houses being able to hold their goods at the right price proves nothing, as those goods are not in demand, and cutting in them would not draw the crowd for other goods. Besides, I claim that those goods are not always sold at the full price; in fact they are oftener cut in price than the goods I represent.

In another article you mention that the O. C. goods have been entirely kept out of the hands of cutters. Pray what about the Barnsdale Trading Co., of Stratford? They have not up to date been able to obtain a supply of the goods I represent, but have been advertising Standard Beef, Iron and Wine at 50c. per bottle, and O. C. L. L. Pills at 4 for 25 cts. I

presume the B. T. Company got the O. C. goods through some retail dealer, and so do they get the most of the goods they handle. If so, why not lay a share of the blame where it rightly belongs, and not be continually kicking at the wholesale manufacturers of patent medicines. There is one thing certain, and that is this, that the retail druggists have found that they cannot very well get along without the manufacturers, and that in the Province of Quebec, where they both work hand in hand, the retail trade is in much better position, both as to legislation and profits. Hoping you will insert this in your next issue, and thereby remove the wrong impression so far as the goods I represent, I remain, sincerely yours,

H. L. GITTLESON,

Agent for Brayley, Sons & Co.

[There was no insinuation in the article referred to of unfaithfulness on the part of manufacturers who are acting under present agreement. Our object was to show that where special efforts are put forth by proprietors they seem to be able to control the price of their goods. We do not make the admission claimed by Mr. Gittleston. Would he kindly read the article again, and carefully observe that we say "Salada tea" does prove what special efforts can accomplish, as it is an extensively advertised article. We gladly give place to this letter, as we believe entirely in the honesty and sincerity of Messrs. Brayley, Sons & Co., and that they keep both the letter and spirit of the agreement into which they have entered.—ED.]

Books and Pamphlets.

WARNER'S POCKET MEDICAL AND PHARMACEUTICAL DICTIONARY OF TO-DAY, comprising 10,000 definitions, covering about 300 pages. It contains the addition of all the latest terms, such as "X Rays," "Shadowgraph," "Skia-graph," etc. It is especially adapted for students, busy practitioners and pharmacists. From the advanced sheets of this work which we have received, we are enabled to form an idea of the appearance and value of this work, and without hesitation say that any medical or pharmaceutical library will be incomplete without it. With the rapid advance science has made in the past decade, many new words and technical terms have been coined; they are all dealt with in this work in a concise but comprehensive manner. In size it is 6½ x 4, and the very moderate price at which it is offered is such that all can afford. It is printed on excellent book paper and very substantially bound, and will be completed about March 10th, 1897, being now ready for press. Price, 75c. Wm. R. Warner & Co., 1,228 Market street, Philadelphia.

NEWS ITEMS.

E. H. S. McLean, of Revelstoke, is selling out.

S. Perrin has his new store in Lindsay in operation.

F. G. Abey, of Medicine Hat, is moving to Revelstoke.

W. J. Douglas, Collingwood, was burned out January 27th.

W. H. Scott, of Southampton, has assigned to A. E. Beltcher.

Clement & Walton, of Woodstock, have dissolved partnership.

W. E. McCartney, of Kamloops, has sold to Messrs. Clark & Co.

J. Bray & Co., of Trail, B.C., are offering their business for sale.

J. E. Davis, of Goderich, has closed his branch in Dungannon.

W. A. Devellers, Buckingham, Que., sold out to O. C. Stackhouse.

E. A. Hauver proposes starting a new business in Clarenceville, Que.

Fairweather Bros., of Moncton, are opening a branch in St. John, N.B.

F. Sweet, of St. Catharines, was partially burned out on February 1st.

The stock of the Chatham Drug Co. was sold on February 17th, by auction.

McLean and Morrow have purchased the business of J. Bray & Co., of Trail.

D. J. Manamy proposes starting a new business in Sherbrooke, Que., on May 1st.

The large flax and oil mills of J. & J. Livingstone, Baden, are to be sold by auction.

J. D. Dodds, of Orangeville, is in difficulties through the foreclosure of a chattel mortgage.

The firm of A. E. Pilkey & Co., of Chatham, has dissolved. Business continued by C. H. Gunn & Co.

Hall & Stearman, of Nanaimo, have dissolved partnership, and the business will be continued by F. C. Stearman.

R. G. Macpherson, of Kamloops, is amalgamating with the McDowell, Atkins & Watson Co., of Vancouver.

The Quickcure Company, of Quebec, have appointed G. E. Gibbard their distributing agent for Toronto.

G. A. Dale, corner George and Shuter streets, Toronto, sold his stock, which has been removed to the country.

The London Drug Co., of London, Ont., has been dissolved and the business continued under the name of Kerry, Watson & Co.

The Balm Medicine Co., of Toronto, is in course of liquidation. The company's operations have not been a financial success.

T. G. Ryley, who recently disposed of his business in Oshawa, has accepted a position as traveller for Messrs. Davis & Lawrence, Montreal.

We are pleased to hear that Mr. Jno. Harrison, manager for H. F. McCarthy & Co., of Ottawa, is around again after a long and serious illness.

Jas. Clarke, of Renfrew, had a close call for a scorching during the recent fire which did so much damage in that town. It burned right up to his store, but fortunately was stopped before wiping him out.

Mr. Geo. H. Little, recently of Parkdale, Toronto, has accepted a position as manager in Messrs. Clark & Co.'s store, Denver, Col. This business is in the Albion Hotel and one of the largest in the city. Somehow Canadians have a habit of coming to the top amongst our cousins.

Application appears in the *Ontario Gazette* respecting the incorporation of the Shuttleworth Manufacturing Co., chemists, Toronto. We understand that the company, of whom Prof. Shuttleworth is a member, intend manufacturing more largely the chemical and pharmaceutical preparations formerly made by him.

AMERICAN NEWS.

The American Soda Water Company passed the quarterly dividends, which amounted to 1½ per cent. on first preferred, and 2 per cent. on second preferred stock.

Robert M. Green & Sons, of Philadelphia, have had a decision rendered in their favor, in the case brought against them by the American Soda Fountain Company, for alleged infringement of a patent on drawer syrup cans.

The Rhode Island Pharmaceutical Association has decided upon establishing a College of Pharmacy to supply pharmacal education to their students, as at present it is necessary for them to attend lectures at Boston or New York, which is considered a great inconvenience.

The Massachusetts Board of Pharmacy, at its last meeting, revoked the license of a drug clerk who has on two occasions been the cause of considerable trouble to the board, by reporting infractions of the law, which on investigation proved to be groundless, and instigated by jealousy and spite.

The Colorado Pharmacal Association has protested against free alcohol, which in the opinion of the members would be a great injustice to the retail druggists of the country, as it would put all the manufacturing into the hands of large and wealthy concerns which could afford to pay for the special excise officers who will have to be appointed to carry out any such provision.

A new society to be called the Druggists' Alliance of America, is now in course of formation, according to the *Pharm. Era*; the founder is a young man named Judson D. Russell, formerly a Congressional page at Washington, and lately a drug clerk. The main object of the organization seems to be a sort of mutual insurance against financial loss in law suits for errors in dispensing. An organization meeting is to be held in New York shortly.

The annual meeting of Parke, Davis & Co. was held on Jan. 4th, and the following board of directors was elected: H. C. Parke, H. Stephens, T. H. Buhl, D. C. Whitney, W. M. Warren, H. A. Wetzel, and J. H. Smedley. H. C. Parke was elected president; H. Stephens, vice-president; W. C. Warren, general manager; H. A. Wetzel, secretary, and J. H. Smedley, treasurer. G. A. Davis was continued as consulting manager for two years at a salary of \$10,000 per annum.

A Chicago jury recently brought in a verdict against A. Brewerton, owner of a drug store, and condemned him to pay \$5,000 damages, in consequence of a mistake which he had made in filling a prescription calling for quinine sulphate with morphine sulphate. It appears that the owner was not a pharmacist, but had a registered man in charge, who happened to be out at the time the prescription was received, and the proprietor undertook to dispense it, with the foregoing result.

MONTREAL NEWS.

Quite a number of cases of "la grippe" have been under treatment here during the last few months.

The mother of A. D. Mann, the well-known west end pharmacist, passed over to the great majority last week. The C. P. JOURNAL begs to offer sympathy with Mr. Mann in his sorrow.

Mr. Jos. Contant has again been elected President of the Chambre de Commerce, and with Mr. D. Watson, who is a member of the Council of the Board of Trade, represents commercial pharmacy. Both gentlemen have been active members of the association and the college, and their position in commercial life may be judged from the offices which they hold in our commercial organizations.

Prof. Lecours, the Montreal representative on the Auxiliary Membership Committee of the A. Ph. A., expects to have a good number of applications for membership at the meeting to be held at Lake Minnetonka.

We regret to have to record the death of Mrs. Wight, widow of the late Dr. Wight, and mother of Messrs. Sandy and Willie Wight, of St. Johns, P.Q., who have our sincere sympathy in their bereavement.

Col. Hughes, Superintendent of Police, recently received a letter of condolence from the New York College of Pharmacy, on the death of his brother, A. F. Hughes, a well-known pharmacist of New York and a former resident of Montreal.

President Morrison, of the A. Ph. A., and Honorary President of the Pharmacy Students' Association, spoke on the benefits of the A. Ph. A. at the annual banquet. It was probably the first time in the history of the Association that the President was called upon to speak in French to a French audience on this subject.

President Williams, in his annual address, suggested certain changes in the programme of the annual meeting, and a movement is now on foot to take up the matter properly. It is proposed to extend the meeting over two days; there will be papers of interest to pharmacists, scientific and commercial, and a banquet or conversazione, at which it is expected that all the city druggists will attend. It is nearly time something was done to awaken a little interest in the annual meeting, which heretofore has been attended by a dozen or two enthusiasts, and at which reports read, votes of thanks, etc., passed, and we all went home, and that was the end of it; but a change is about to be made and we think it will be a decided benefit to the Association. A meeting will probably be called in a few days to go into the matter.

The annual drive and dance of the employees of Messrs. Kerry, Watson & Co., took place on the 5th inst. The start was made from the store at 8.30, in two of Sharp's largest sleighs, the route being up St. Urbain street. The first stoppage was at Mr. J. Harper's, where a nice display of colored fires had been carefully prepared; the second stop was made to pick up more of the party at Mr. F. Woolley's. Continuing on the party went around the mountain, coming in by the way of Cote des Neiges road. It was indeed a treat to be out on such an evening; the weather was just as if the sleighing party's taste had been consulted. Add to this a beautiful moonlight, and one can appreciate the feelings of the party upon reaching the top of Cote des Neiges road, where the view of the city with its many electric lights sparkling like

stars in the distance, met their gaze; the sight was simply grand. The final stop was eventually made at Dixon's, where the party disembarked and proceeded upstairs to unwrap. After the ladies had tivated, the dancing hall was besieged and dancing indulged in. Mr. Mervin Fisher was master of ceremonies, and a great deal of the success of the drive can be traced to the way in which he managed the dancing and musical portion. Mr. W. C. Blundell sang a song entitled "The Sweetest Story Ever Told," in a very pleasing manner indeed. Mr. Fisher's contributions took the form of coster songs, in which he showed to very good advantage. George Porter was called on and favored the company with the touching song, "Only Me." Fred. Peacock was very unanimously shouted for and sang "Good-bye, Mavourneen," as only an old Royal Artillery man could sing it. Several recitations were rendered by Miss Smaille, who was a guest; Miss Hattie Watson, also a guest, sang in a very nice way indeed a song entitled "Happy Days." Both ladies' contributions were well rendered and much appreciated. A. B. Leithhead gave a very pretty piano solo, in which he showed he had good musical ability. About twelve o'clock an adjournment was made to the dining hall by about thirty-five laughing and hungry couples, when the good things prepared by Mr. Dixon were sampled and found so much to the general taste that the tables were fairly well emptied before the eaters were satisfied. Before rising from the table speeches were made by Messrs. D. Watson and W. S. Kerry. In the course of their remarks both said that it was a pleasure to be present at such a happy gathering, and they wished that they might be present on many occasions of a similar nature in the future. Speeches were also made by W. C. Blundell, T. W. Costen and J. A. Findlay. A very pleasing portion of the evening was a presentation to Mr. J. Harper. Mr. Costen acted as spokesman and said that a few of Mr. Harper's friends were desirous of showing their appreciation of the many years of friendly intercourse they had held with him, and took this opportunity of presenting Mr. Harper with a small token so that he might always have something to look at and say that his efforts to be a good fellow had not gone unappreciated. Mr. Harper was taken thoroughly by surprise, but managed to thank his friends in his usual genial way. After supper the dancing hall was again sought and the light fantastic indulged in until two o'clock, when the breaking up took place and each and every one went away home with the feeling that it had been one of the most pleasant evenings spent for a long time, and hoped that he or she might be fortunate enough to be present at the next, to be held early in the year 1898.

The Pharmacy Students' Association held their annual banquet at the Balmoral Hotel on February 3rd. A very large number was present and a most enjoyable time was passed. The President, Mr. A. Gauvin, had on his right R. W. Williams, President of the Provincial Association; J. E. Morrison, President of the A. Ph. A., and Prof. Lecours, while to his left were seated Mr. W. H. Chapman, President of the College, Dr. Reed and Mr. Muir. After enjoying the good things set up by the hotel, Mr. Gauvin called the meeting to order, and after an eloquent address of welcome, proposed the toast of "The Queen," all hands joining in singing the national anthem. The next toast, "Canada," was proposed by Mr. Guerin in one of the most eloquent speeches on this subject that we have ever heard. The eloquence, perfect diction, and the patriotic sentiments so beautifully expressed, could not have been surpassed in any gathering in the land. Mr. Guerin is a drug clerk, and if he can dispense a prescription as well as he can round his periods, he should command a good salary. The other speakers were Mr. Thivierge for the College. Mr. Desrosiers proposed the "Association," which was replied to by Mr. Chapman and Mr. Williams; "Our Professors" was responded to by Dr. Reed and Prof. Lecours; "Commercial Interests" was responded to by Mr. Jos. Contant, President of the Chambre de Commerce, and Mr. J. H. Nault; "The American Pharmaceutical Association" proposed by Mr. R. W. Williams, President of the Pharmaceutical Association of the Province of Quebec, necessitated a response from the President, Mr. J. E. Morrison, who replied in French. Mr. Morrison impressed upon his hearers the merits of the A. Ph. A. and the reasons why every pharmacist in Canada, as well as in the United States, should be a member, and expressed the hope that he would have the pleasure of presenting the names of many of those present at the next meeting which would be held at Lake Minnetonka. After the usual toasts to the ladies and the press, the assemblage broke up. Before closing we should mention the recitation by Mr. Trottier, entitled "L'Epase" of Francois Coppie, one of the greatest works by this famous writer, and Mr. Trottier handled it in superb style and held his audience spell bound during his intensely dramatic rendering of the story. Mr. Mathieu sang "Le Vallon" from "Robert le Diable," by Gounod, in magnificent style. We were much surprised to find that the Students' Association contained such artists as these two gentlemen. Among the guests we noticed Mr. Contant, Mr. Lachance, Dr. Joyal, J. H. Nault, Stanley Martin, Mr. Dettmars and Fred Deegan from Lyman, Sons & Co., Mr. Cunningham, Fred Woolley from

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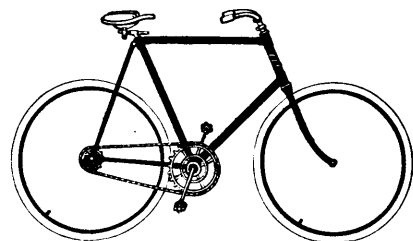
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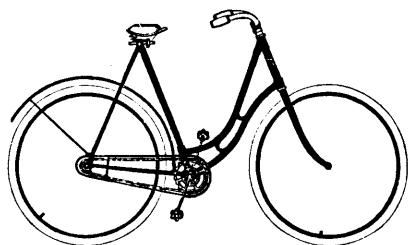
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Our Catalogue will interest you—a post-card gets it.

Kerry Watson & Co., Messrs. Christian and Tellier from Evans & Sons, Mr. Greig from Gilmour Bros. & Co., and many others whose names escape us. We have not said much about the speakers, but the one point which always surprises us is the large number of eloquent speakers to be found in the ranks of the French Canadian pharmacy students; they are far superior to the average English or American student in that respect. Why it should be so we do not know; whether it is a natural racial gift or a consequence of the thorough classical education they receive, we cannot say, but the fact remains and it should furnish food for thought.

It is estimated that one-twelfth of the population of England suffer from gout. A Berlin physician, Dr. Fehlaner, says that this malady is often due to the excessive use of meat.

Society of Retail Druggists.

HAVE you received the circular from the officers of the O. S. R. D.? If so, have you read it, or put it away for perusal some day when you have nothing to do? If you have read it, have you answered the questions, and informed your secretary of your opinion on present conditions? Of the fifty answers so far received forty claim benefit from the society, and wish the work continued. Below are a few letters selected from the number received:

ELMIRA, Feb. 18, '97.

G. E. Gibbard, Esq., President.

My Dear Sir,—In looking backwards since organization I feel that good work has been done. A weakness in the method of attack partly paralyzes the organization, which must be overcome. Let the source of weakness be either internal or external to the organization, no effort should be spared to overcome the difficulty. I fear that we have allowed the impression to be abroad that we druggists are too aggressive in our ways, and the general public must be subject to our dictation, and we are fast losing the good opinion which they once held of us, and are testing us by the standard of the cutters' reduction in prices. We want the public—must have the public, and by all means let us try and retain what is still left to us. If it becomes necessary to choose between jobber, manufacturer, cutter and public, let us not forget the very important part the public plays in the drama. Respectfully,

A. WERNER.

FERGUS, Feb. 22, '97.

J. T. Pepper, Esq., Sec.-Treas. of O.S.R.D.,
Woodstock.

Dear Sir,—Your address to the Ontario Retail Druggists to hand, and I have read with pleasure its common-sense view of the situation, and the means proposed to improve our position. I cordially endorse every sentence, and promise my support to the officers of the society. I inclose three dollars as my contribution to the funds.

The great obstacle to our improvement could be easily removed if the manufacturers of patent medicines and wholesale dealers would take an active interest in preventing their goods getting into the hands of cutters. This could be easily done by putting a special mark on all goods that are cut before they send them out to their customers. The mark on one customer's goods would require to differ from the mark or number on other customers' goods. Were it found that Burdock Bitters were sold in some locality at 70c., Pink Pills at 35c., and Electric Oil at 15c., it would be very easy to trace from the marks where these medicines were got, and the party guilty of supplying these cutters refused a further supply of goods. The cutting would then stop.

When I ask a representative of the patent medicine manufacturer or wholesale dealer why they allow their goods to go into the hands of cutters, he tells me he cannot tell how they get there, and he is very sorry for it, and would be glad to prevent it. This method would prevent it beyond a doubt. For a short time a great deal of extra labor would be required, but when the evil to be removed is taken into account I think that the manufacturer, the wholesaler, and the retail druggists of Ontario would think themselves amply rewarded for all their exertions. Very truly yours,

ROBERT PHILLIPS.

SUNDERLAND, Feb. 16, '97.

J. T. Pepper, Esq., Woodstock.

Dear Sir,—Enclosed please find two dollars, balance of fee due the O.S.R.D., as per your circular of yesterday. I hope you will receive many responses. It would be a great mistake on our part if we were to drop out of the fight now, thus practically acknowledging defeat, whereas, if we only make up our minds to all stand by the cause, we shall be victorious in the end. Yours sincerely,

H. BALDWIN.

Father—"Well, Tommy, how do you think you will like this little fellow for a brother?"

Tommy (inspecting the new infant somewhat doubtfully)—"Have we got to keep him, papa, or is he only a sample?"

Students' Department.

[In this Department we will publish a series of lectures covering the subjects of Pharmacy, Materia Medica, Chemistry and Botany. Of course they will be condensed, the inference being that the student will supplement these, as he would do ordinary college lectures, by reference to standard works upon each subject.]

RULES TO BE OBSERVED IN RETURNING ANSWERS.

1. Write on one side of the paper only.
2. Leave a margin of about two inches on the left hand side for corrections, etc.
3. A stamped and addressed envelope must be sent with the answer.
4. Address your replies to the Editor, 43 Church St., Montreal, P.Q.

PRIZES.

- 1st. A copy of Remington's Practice of Pharmacy will be awarded to the student making the highest marks in the competition.
- 2nd. A copy of Squire's Companion to the British Pharmacopœia to the second highest.
- 3rd. A copy of Remsen's Inorganic Chemistry to the third.

The lecture which should have appeared in our last issue miscarried in the mail. We should also have announced the awarding of the prizes for the first competition, the winners of which are:

- 1st. W. F. Roach, Royal Victoria Hospital, Montreal.
- 2nd. J. G. Rosenfelder, Columbus, O.
- 3rd. A. Lebeau, St. Anne de Bellevue, P.Q.

The second competition will commence with this issue, the conditions being that the questions on each of the six lectures must be answered, and only subscribers are eligible. The winner of the 1st prize in the last competition is, of course, ineligible for future contests. We desire to have the students all over the country take an interest in this department, as it will be of great benefit to them. The competition which has just terminated was participated in by students from all the provinces of Canada and some from the United States, the second prize going to Mr. J. G. Rosenfelder, of Columbus, Ohio.

Now, we hope to see a larger number try the second competition, and that they will commence work at once.

The work required for last lesson was a paper on Filtration. Some of those received were very good, that by A. Lebeau, S'Anne de Bellevue, being particularly meritorious; it was well written, and covered the ground completely; some, however, thought the subject was exhausted after writing one or two pages of foolscap.

The work required for Lecture on Percolation given in January issue, and the first of the present competition, will be:

A Thesis on Percolation, containing not less than 1,000 words.

LECTURES ON PHARMACY.

GALENICAL PREPARATIONS OF THE BRITISH PHARMACOPŒIA.

AQUÆ WATERS.

The medicated waters are ordered to be prepared by distilling the drug with water, with the exception of chloroform, and camphor waters, which are solutions obtained by shaking together in the case of the first, and maceration in the second; peppermint and spearmint waters are distilled from the oils, but generally medicated waters are made, at least in this country, by dissolving the oil in distilled water. Several methods have been proposed, and all have their advantages and disadvantages. The process generally followed is to divide the oil by means of calcium phosphate, purified talcum, or paper pulp. Magnesium carbonate was formerly much used, but should not be employed, as it is slightly soluble in water, and when the waters made with it are used for the solution of alkalis, a portion of the latter will be precipitated. The best method, in our hands, has been found to be division of the oil by means of filter paper and hot water. The oil is dropped on a piece of white filter paper, which is then placed in a tightly closed vessel with the hot water, and allowed to stand till cool and the aromatic water decanted. When using calcium phosphate or talcum, the oil is triturated with it, and mixed with the necessary quantity of water and filtered.

PRESERVATION.—It will frequently be noticed that aromatic waters, if kept in tightly closed vessels, become mouldy. This may be prevented by closing the containers with a wad of absorbent cotton, which will allow free access of air, or by means of a perforated cork, in which is placed a glass tube containing cotton, which serves to keep out dust and filters the air as it passes into the container. Rose and orange flower water, especially, are liable to become mouldy when kept in close vessels, but they may generally be restored to their original condition if exposed to the air for some time.

PREPARATION BY THE OFFICIAL METHOD.—The drug is placed in the still, with the necessary quantity of water and heat applied, either by means of steam under pressure or an open fire; in the latter case, the drug should be suspended in a wire cage, free from contact with the sides of the still, otherwise the drug may be burned and give an empyreumatic odor to the

INDEX OF DISEASES TREATED WITH

PARVULES

The Dose of any Parvule will vary from one to four, according to age or the frequency of administration. For instance, one Parvule every hour, two every two hours, or three every three hours, and so on for adults. For children one three-times a day is the minimum dose. It is claimed by many practitioners that **small doses, frequently repeated**, exert a more salutary effect.

ATONIC DYSPEPSIA. Parv. Nux Vomica.....	1-50 gr.	NAUSEA. Parv. Ipecac.....	1-50 gr.
BILIOUS CONDITIONS. Parv. Calomel.....	1-20 gr.	RETARDED MENSTRUATION. Parv. Ergotine.....	1-10 gr.
BRONCHITIS OF CHILDREN. Parv. Tartar Emetic.....	1-100 gr.	SCROFULA. Parv. Calomel, 1-20 gr.....	Aloin, 1-10 gr.
CONSTIPATION. Parv. Aloin.....	1-10 gr.	SICK HEADACHE. Parv. Nux. Vom.....	1-50 gr.
DIARRHOEA. Parv. Corrosive Sublimate.....	1-100 gr.	SICKNESS OF PREGNANCY. Parv. Belladonna.....	1-20 gr.
EXANTHEMATOUS SKIN DISEASES. Parv. Iodide Arsenic.....	1-100 gr.	SLUGGISH BOWELS. Parv. Podophyllin.....	1-40 gr.
HABITUAL CONSTIPATION. Parv. Podophyllin.....	1-40 gr.	SPERMATORRHOEA. Parv. Phosph.....	1-200 gr.
HYDATID UTERINE GROWTH. Parv. Ergotine.....	1-10 gr.	SUMMER DIARRHOEA. Parv. Mercury with Chalk.....	1-10 gr.
INCONTINENCE OF URINE. Parv. Cantharis.....	1-50 gr.	SYPHILIS, Parv. Calomel.....	1-20 gr.
INFLAMMATORY PROCESS. Parv. Aconite.....	1-20 gr.	SYPHILITIC HEADACHE. Parv. Corrosive Sublimate.....	1-100 gr.
INFLUENZAS. Parv. Iod. Arsenic.....	1-100 gr.	TORPIDITY OF LIVER. Parv. Podophyllin.....	1-40 gr.
ITCHING SKIN ERUPTIONS. Parv. Iod. Arsenic.....	1-100 gr.	UTERINE HEMORRHAGES. Parv. Ergotine.....	1-10 gr.
MUCOUS RECTAL DISCHARGES. Parv. Tannin.....	1-10 gr.	VESICULAR EMPHYSEMA. Parv. Digitalis.....	1-20 gr.

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We claim (and a candid comparison will convince any one) for our soluble tablets, the following points of superiority, viz.: *First*—They are quickly and entirely soluble. *Second*—They are permanent in form and accurate in dose. *Third*—They are safe and rapid in action.

Soluble Hypodermic Tablets	Soluble Hypodermic Tablets	Soluble Hypodermic Tablets
ACONITINE, Pure Cryst. 1-120 gr.	MORPHINE BIMECONATE, 1-3 gr.	MORPH. 1-4, & ATROP. 1-120 gr. No. 10.
APOMORPHINE MURIATE, 1-20 gr.	MORPHINE BIMECONATE, 1-6 gr.	" 1-4, " 1-60 gr. No. 11.
APOMORPHINE MURIATE, 1-8 gr.	MORPHINE BIMECONATE, 1-8 gr.	" 1-3, " 1-120 gr. No. 12.
APOMORPHINE MURIATE, 1-12 gr.	MORPHINE MURIATE, 1-8 gr.	" 1-2, " 1-150 gr. No. 13.
ATROPINE SULPH. 1-150 and 1-200 gr.	MORPHINE MURIATE, 1-6 gr.	" 1-2, " 1-120 gr. No. 14.
ATROPINE SULPH. 1-120 gr.	MORPHINE NITRATE, 1-6 gr.	" 1-2, " 1-100 gr. No. 15.
COCAINE HYDROCHLOR. 1-8 gr.	MORPHINE NITRATE, 1-8 gr.	" 1-2, " 1-240 gr. No. 16.
COCAINE HYDROCHLOR. 1-10 gr.	MORPHINE NITRATE, 1-12 gr.	NITROGLY. 1-50, 1-100, 1-150, 1-200 gr.
CODEINE SULPHATE, 1-8 gr.	MORPHINE SULPHATE, 1-8 gr.	PILOCARPINE MUR. 1-8, 1-20, 1-5 gr.
CONIINE HYDROBROMATE, 1-100gr	MORPHINE SULPHATE, 1-6 gr.	PILOCARPINE NIT. 1-20, 1-8, 1-4 gr.
CONIINE HYDROBROMATE, 1-60 gr	MORPHINE SULPHATE, 1-4 gr.	SODIUM ARSENIATE, 1-30 gr.
DIGITALINE, Pure, 1-100 gr.	MORPHINE SULPHATE, 1-3 gr.	STRYCHNINE NITRATE, 1-150 gr.
DIGITALINE, Pure, 1-60 gr.	MORPHINE SULPHATE, 1-2 gr.	STRYCHNINE NITRATE, 1-100 gr.
DUBOISINE SULPHATE, 1-100 gr.	MORPH. 1-8, & Atrop. 1-200 gr. No. 1.	STRYCHNINE NITRATE, 1-60 gr.
DUBOISINE SULPHATE, 1-60 gr.	" 1-6, " 1-800 gr. No. 2.	STRYCH. SUL. 1-120, 1-100, 1-60, 1-150gr
ERGOTIN, 1-6 gr.	" 1-4, " 1-50 gr. No. 3.	STRYCH. SUL. 1-20 gr.
ESERINE SULPHATE, 1-60 gr.	" 1-4, " 1-100 gr. No. 4.	STRYCH. SUL. 1-50, 1-30 gr.
ESERINE SULPHATE, 1-100 gr.	" 1-8, " 1-150 gr. No. 5.	STRYCH. & ATROP. No. 1, 1-50, 1-150gr
HYOSCINE HYDROBROM. 1-100 gr.	" 1-8, " 1-100 gr. No. 6.	STRYCH. & ATROP. No. 2, 1-30, 1-120gr
HYOSCINE HYDROBROM. 1-100 gr.	" 1-6, " 1-150 gr. No. 7.	STRYCH. & ATROP. No. 3, 1-60, 1-150gr
HYOSCYAMINE SULPH., 1-100 gr.	" 1-6, " 1-120 gr. No. 8.	
MERCURY CORROSIVE	" 1-4, " 1-200 gr. No. 9.	
CHLORODIN, 1-60, 1-150, 1-40 gr.		

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EFFICACIOUS, CONVENIENT AND INEXPENSIVE

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IT IS DIURETIC AND ANTACID

Each tablet contains three grains (made also five grains) Citrate of Lithia, so that a Definite quantity of soluble Lithia is administered in a pleasant form, besides the advantage of having fresh water with each dose, presenting a therapeutic value of higher standard than the various Lithia spring waters. This is a scientific preparation of the highest standard.

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Superior to Pepsin of the Hog.

INGLUVIN
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A Powder :—Prescribed in the same manner, doses and combinations as Pepsin.

A most potent and reliable remedy for the cure of

Marasmus, Cholera Infantum, Indigestion, Dyspepsia and Sick Stomach

It is superior to the Pepsin preparations, since it acts with more certainty, and effects cures where they fail.

A SPECIFIC FOR VOMITING IN PREGNANCY

In Doses of 10 to 20 Grains.

PRESCRIBED BY THE MOST EMINENT PHYSICIANS IN EUROPE AND AMERICA.

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POTENT. RELIABLE. SOLUBLE.

Standard and Officinal Preparations

FOR PHYSICIANS ONLY.

Special Recipes made to order for 3,000 Pills or upwards.

Pil. Cascara Cathartic

(DR. HINKLE)
Each Containing
Cascarin. Ext. Belladon $\frac{1}{2}$ gr.
Aloin. aa $\frac{1}{4}$ gr. Strychnin. 1-60 gr.
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Dose—1 to 2 pills.

Pil. Peristaltic

(WARNER & CO.)
Each containing
Aloin, $\frac{1}{4}$ gr. Ext. Bellad. $\frac{1}{4}$ gr.
Strychnin, 1-60 gr. Ipecac, 1-16 gr.
Dose—1 to 2 pills.
Therapeutics—Cathartic, tonic.
40 cts. per hundred.

Pil. Peristaltic Comp.

(WARNER & CO.)
Salol, 2 grs. Sul. Strych. 1-100 gr.
Ingluvin, $\frac{1}{4}$ gr. Ext. Bellad 1-30 gr.
Aloin, 1-10 gr.
80 cts. per hundred.

Pil. Peristaltic Aperient.

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Aloin, 1-10 gr. Strych. Sul. 1-100 gr.
Ext. Bellad. 1-20 gr. Ipecac, 1-30 gr.
40 cts. per hundred.

Phenacetin and Quinine.

(WARNER & CO.)
Phenacetin, 2 $\frac{1}{2}$ grs. Sul. Quinine, 2 $\frac{1}{2}$ grs.
Therapeutics—Tonic, Antipyretic.
\$1.50 per hundred.

Pil. Salol Phenacetin.

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Salol, 2 $\frac{1}{2}$ grs. Phenacetin, 2 $\frac{1}{2}$ grs.
Therapeutics—Antipyretic, Analgesic.
\$2.00 per hundred.

Pil. Sumbul Comp.

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R—Ext. Sumbul 1 gr.; Ferri Sulph. Ext., 1 gr.;
Asafetida, 2 grs.; Ac. Arsenious, 1-40 gr.

DR. GOODELL:—"I use this pill for nervous and hysterical women who need building up." This pill is used with advantage in neurasthenic conditions, in conjunction with Warner & Co.'s Bromo-Soda, one or two pills taken three times a day.

Price, \$1.00 per hundred.

Pil. Chalybeate.

(W. R. WARNER & CO.'S FERRUGINOUS PILLS.)
3 grains. Dose—1 to 3 pills.
Ferri Sulph. Fe SO₄ } Ferri Carb. Fe CO₃
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Carbonate of Protoxide of Iron.

The above combination, which we have successfully and scientifically put in pill form, produces, when taken into the stomach, Carbonate of Protoxide of Iron (Ferrous Carbonate) in a quickly assimilable condition.
40 cts. per hundred.

Pil. Chalybeate Comp.

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Same as Pil. Chalybeate, with $\frac{1}{2}$ gr. Ext. Nux Vomica added to each pill to increase the tonic effect.
Dose—1 to 3 pills.
55 cts. per hundred.

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For cure of Rheumatism and Rheumatic Gout.
FORMULA—Acidum Salicylicum; Resina Podophyllum; Quinina; Ext. Colchicum; Ext. Phytolacca; Capsicum.
Almost a specific in Rheumatic and Gouty Affections, Please specify Warner's, and order in original bottles of 100 pills.
60 cts. per hundred.

SOLD BY LEADING DRUGGISTS.

SOLUBLE.

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PERMANENT.

WILLIAM R. WARNER & CO.'S Soluble Coated Granules.

PREPARED ESPECIALLY FOR PRESCRIBING.

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The Coating of the following Granules will Dissolve in 1½ Minutes.

Acid Arsenious I-20, I-30, I-50 grs.
Medical properties—Antiperiodic, Alterative.
Dose—1 to 2.

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Med. prop.—Nerve Sedative. Dose—1 to 2.

Aloin et Strychnine.
Med. prop.—Tonic, Laxative. Dose—1 to 2.

Aloin et Strych. et Bellad.
Med. prop.—Tonic, Laxative. Dose—1 to 2.
Aloin, 1-5 gr.
Strychnine, 1-60 gr.
Ext. Belladon, ½ gr.

Atropine I-100 gr.
Med. prop.—Anodyne. Dose—1 to 2.

Atropinæ Sulph I-60 gr.
Med. prop.—Anodyne. Dose—1 to 2.

Codeia ¼ gr.
Med. prop.—Anodyne, replacing Morphia without the usual disagreeable after-effects produced by the latter.

Corrosive Sublimate, I-12, I-20, I-40 and I-100 gr.
Med. prop.—Mercurial Alterative. Dose—1 to 2.

Digitalin I-60 gr.
Med. prop.—Arterial Sedative. Dose—1 to 2.

Elaterium, (Clutterbuck's) I-10 gr.
Med. prop.—Diuretic, Hydragogue Cathartic.
Dose—1 to 2.

Ext. Ignatia Amara ¼ gr.
Med. prop.—Nerve Sedative. Dose—1 to 2.

Ext. Nuc. Vomica ¼ and ½ gr.
Med. prop.—Nerve Stimulant. Dose—1 to 3.

Hyoscyamia I-100 gr.
(Crystal Pure Alkaloid.)
Med. prop.—Anodyne, Soporific. Dose—1.

Mercury Proto. Iodid ¼ gr.
Med. prop.—Alterative. Dose 1 to 4.

Mercury Proto. Iodid ½ gr.
Med. prop.—Alterative. Dose—1 to 2.

Mercury Proto. Iodid ¾ gr.
Med. prop.—Alterative. Dose—2 to 4.

Mercury Iodide Red I-16 gr.
Med. prop.—Alterative. Dose—1 to 3.

Morphinæ Sulph I-20 gr.
Med. prop.—Anodyne.

Morphinæ Sulph I-10 gr.
Med. prop.—Anodyne. Dose—1 to 2.

Morphinæ Sulph ¼ and ½ gr.
Med. prop.—Anodyne. Dose—1 to 2.

Morphinæ Sulph ¼ and ½ gr.
Med. prop.—Anodyne. Dose—1 to 2.

Podophyllin I-10, ½, ¼, ⅛ and ¼ gr.
Med. prop.—Cathartic. Dose 1 to 4.

Podophyllin Comp.
Med. prop.—Cathartic and Tonic. Dose—1 to 2.
Podophyllin, ¼ gr.
Ext. Hyoscyami, ⅛ gr.
Ext. Nux Vomica, I-16 gr.

Strychnine, I-16, I-20, I-30, I-32, I-40, I-60 and I-100 gr.
Med. prop.—Nerve Stimulant, Tonic. Dose—1 to 3.

Strychninæ Sulph I-32 gr.
Med. prop.—Tonic. Dose—1 to 2.

Veratrinæ Sulph I-12 gr.
Med. prop.—Powerful Topical Excitant. Dose—1.

Zinc Phosphide ¼ and ½ gr.
Med. prop.—Tonic, Dose—1 to 3.

Canadian Agencies:

LYMAN SONS & CO., Montreal.
LYMAN, KNOX & CO., "
KERRY, WATSON & CO. "
EVANS & SONS, "

BROWN & WEBB, Halifax.
LYMAN BROS. & CO., Toronto.
ELLIOTT & CO., "
WINER & CO., Hamilton.

distillate. Aromatic waters are also sometimes prepared by direct application of steam—that is, steam is introduced into the still and passing through the drug carries over the volatile oil. The distillate will always contain a certain amount of oil in suspension, which gives it, at first, a cloudy appearance, but on allowing it to stand the excess of oil separates and the water may be drawn off by a syphon.

The following table contains all the official waters, with proportion of drug used, and of distilled water obtained :—

Used.	Obtained.
Anethi.....1 of bark to 20	10 of distilled water.
Anisi.....1 do., do.....	do.
Flor. Aurantii..imported from South of France.	do.
Carui.....1 of fruit to 20	10 do.
Cinnamomi.....1 of bark to 16	8 do.
Fœniculi.....1 of fruit to 20	10 do.
Laurocerasi ...1 of fresh leaves to 3½	assayed to contain 0.1 of hydrocyanic acid.
Menthæ Pip ..1½ dr. to 1½ gal.	1 gal.
Do. Vir. .. do.	do.
Pimentæ...1 of unripe berries to 23	11½ of distilled water.
Rosæ ....1 of fresh petals to 5..	1 do. do. do.
Sambuci...1 of fresh flowers to 5..	1 do. do. do.

The two waters prepared by solution are :

- Camphoræ ½ oz. to 1 gallon.
- Chloroformi 1 to 200.

DISTILLED WATER.—The official directions for preparing distilled water prescribe that the first twentieth that comes over should be rejected, and only four-fifths of the whole distilled. The first portion is rejected, as it will contain almost all the ammonia which is usually present in ordinary water, and is due to the decomposition of organic matter. The residue in the still will contain the inorganic salts and non-volatile organic matter.

The official tests are: That it should not yield a precipitate with lime water, indicating absence of carbonates; hydrogen sulphide, indicating absence of the heavy metals; barium chloride, absence of sulphates; ammonium oxalate, absence of calcium salts; silver nitrate, absence of chlorides; a mixture of starch mucilage and potassium iodide should not produce a blue color, absence of nitrites; and it should yield only a faint yellow coloration with Nessler's solution, indicating absence of ammonia. The tests for chlorides, nitrites and ammonia are very important, and the production of a reaction indicates contamination by sewage. Water may contain a certain proportion of chlorides; but in ordinary fresh water, more than two grains of chlorine to the gallon indicates organic contamination from sewage, drainings from stables, etc. The presence of nitrates, nitrites and ammonia in water is due to oxidation of organic nitrogenous matter derived, as in the case of chlorides, from sewage, and is generally sufficient to con-

demn any water in which they may be present. Only distilled water should be used in prescriptions when water is ordered.

WATERS OF THE U.S.P.

Several preparations classed under the heading of "Liquores" in the British, are included in the Aquæ of the United States Pharmacopœia, as, for instance, liquor ammoniæ, liquor chlori. Another point of difference which may be noted is that distillation is directed only in the cases of rose and orange flower waters; the others, which are made from oils, are prepared by means of calcium phosphate.

Following is a list of the official waters of the U.S.P. :

CHEMICAL SOLUTIONS.

Aqua Ammonia contains 10 per cent. of NH₃.

Aqua Ammonia Fortior contains 28 per cent. of NH₃.

Aqua Chlori, obtained by reaction between Manganese Dioxide and Hydrochloric Acid, contains 0.4 per cent.

Aqua Hydrogenii Peroxidi, obtained by reaction between Barium Dioxide and Phosphoric Acid, contains 3 per cent. by weight of Dioxide, equal to 10 volumes of Oxygen.

Obtained by division of the oil by means of Calcium Phosphate—

Aquæ Anydalæ Amaræ.....	1 in 1,000
" Anisi	2 "
" Cinnamomi	2 "
" Creosoti	10 "
" Fœniculi	2 "
" Menthæ Piperitæ	2 "
" " Viridis.....	2 "

By direct solution—

Aquæ chloroformi saturated solution in alcohol, and division of the solution by means of calcium phosphate.

Aquæ Camphoræ, camphor 8, alcohol 5.

Triturate camphor and alcohol, add calcium phosphate and water to 1,000.

By distillation—

Aquæ Aurantii Florum Fortior.

" Distillata.

" Rosæ Fortior.

By dilution—

Aquæ Rosæ, equal parts of the stronger water and distilled water.

CATAPLASMATÆ.

POULTICES.

This class of preparations is never made now-a-days by the pharmacists, being generally prepared at the bedside, and should be deleted from the Pharmacopœia. Poultices are usually employed as a means of applying heat to affected parts, and have linseed meal as the basis.

Obituary.



R. CALDWELL.

"In the midst of life we are in death." How frequently within the past few months we have had this truth forced home upon pharmacists. First, L. W. Yeomans, then H. H. Mason, and now Robert Caldwell. The former two may have been known to a larger circle of friends and acquaintances, but were not better loved than was the latter within a more limited sphere. For so many years has Mr. Caldwell been going in and out among us with cheery smiles and pleasant words, that it is hard to realize death has claimed him; yet so it is. On the morning of January 28th he passed away at the Paul House, Meaford. His death was sudden and painful, and appeared to be due to the recurrence of the stomach trouble which had laid him up for some weeks during the summer past. On the afternoon previous he had driven across from Owen Sound, and expressed himself as never having felt in better health; he retired early, but awakened about 4 o'clock with an intense pain in the stomach. Medical aid was immediately procured, but was unavailing, as he expired in a few minutes.

Mr. Caldwell was a Scotchman, but early made Canada his home. Selecting pharmacy as a calling, he had passed the training period and was on the road travelling at the youthful age of twenty. This occupation he has followed steadily during the twenty-five years which have since elapsed. The last twelve of those were spent in the employ of Evans & Sons. Previous to that he had represented John Winer & Co., Hamilton; Haswell & Co., Montreal, and Lowden, Inglis & Neil, Toronto. Mr. Caldwell was an ideal traveller. Perfectly reliable in all his statements, upright in all his dealings, ever solicitous to advance the interests of the firm he represented, yet never forgetting that such could be best accomplished

by courteous and honorable dealing with his patrons; this, with his cheery disposition, made him one of the most popular "men on the road." In his death pharmacy has lost a popular member, the house a valued employee, and the wife and child a devoted husband and father. With the latter, in their sore bereavement, we most heartily sympathize, knowing that the loss to all others pales into insignificance when compared with that sustained by them.

R. M. LIVINGSTONE.

We regret to have to chronicle the death of this estimable gentleman, which was the result of an accident. Mr. Livingstone was on his way west to Seattle, to visit his brother, when about 150 miles west of Port Arthur on the C.P.R., he fell from the moving train and was killed. The body was brought back and buried at his late home, Listowel. Mr. Livingstone was a nephew of the great African explorer, David Livingstone.

Buyers' Guide.

Reduction in Price of Tanglefoot.—The large output of 1896, favorable contracts made, improved facilities, and the anticipation of a still greater output for 1897, enables us to announce another reduction in the price of Tanglefoot, which we trust will prove acceptable to our retailer friends. The prices in Canada will be:

Less than one case...45 cents per box.

One to five cases.....\$3.80 per case.

Five cases and over..\$3.60 " "

To bring our output to the expected dimensions, we are going to ask you to try to sell Tanglefoot by the box as much as possible, for a customer who buys a box uses it about five times as freely as one who buys it by the sheet.

Pure Insect Powder.—In this issue Messrs. Archdale Wilson & Co., of Hamilton, direct the attention of the trade to their Pure Insect Powder, which they have for many years imported direct from place of growth, and for which they have a very large sale. Druggists wishing to handle a thoroughly reliable article can confidently rely upon the quality of their goods.

A Promising Firm.—The members of the Toronto Pharmacal Company whose advertisement appears on page 332, are all old druggists in whose ability and integrity their confreres can confidently rely. The support they are receiving from all over Canada is phenomenal for a firm of such short existence, and the outlook for the permanent establishment of a successful business of the character they are

seeking to build up is most promising. Write to them if they can be of service to you, and be sure and mention this journal.

Seely's Perfumes.—These goods are so well known to be the best quality that we need scarcely do more than draw attention to their advertisement on page 352. These goods not only commend themselves by their quality, but have the added merit to the druggist that they are not handled by departmental stores or other cutters. The Seely Manufacturing Co. are willing to leave their case in the druggists' hands, believing that their efforts to protect the trade will be properly appreciated.

A Shop Necessity.—If you have had trouble in keeping your stock of sponges, cease your trouble by buying one of the very convenient cabinets for sale by Lyman Bros. & Co. Read their ad. for particulars.

Stewart's Confectionery is so well known in Toronto that it needs no word of commendation from us to insure it a place, but a larger field is sought by the manufacturer, and through the columns of the JOURNAL AND GAZETTE we call the attention of the drug trade of the Dominion to the excellency of these goods. Read his advertisement on another page.

A Flourishing Canadian Industry.—Such can be truly said of the Beaver Flint Glass Works, on the corner of Parliament and Winchester streets, Toronto. Homeopathic vials, glass syringes, droppers and small glass ware, are the specialties of the company. We had the pleasure of a look through the factory this week, and found a scene of activity. The ease and rapidity with which the skillful workmen fashioned the various articles named from the long fragile glass tubes was most interesting to watch. The factory is busy just now filling an order of tens of thousands of grosses of homeo. vials for one firm. This is a thoroughly Canadian institution, started and managed by Mr. R. L. Lowden, so well known to the trade in glass ware, and should receive the hearty support of all Canadians who believe in building up the native industries. The firm's ad. appears on this page.

Pure Powdered Drugs is a subject interesting to every first-class pharmacist, and that is the subject the Fielding Holgate Co. talk about in their ad. on page 331 of this journal. We have been privileged with a look through their premises on Melinda street, Toronto, and find it fitted with all the latest appliances for supplying customers with just what they promise, a pure drug, properly ground; pharmaceutical preparations made from the products of their mills can with confidence be recommended to your medical man as sure to produce the desired results.

Parke, Davis & Co. invite the attention of the drug trade throughout the Dominion to the following letter :

OFFICE OF THE CUDAHY PHARMACEUTICAL CO.
South Omaha, Nebr., Feb. 1st, 1897.

We take pleasure in informing our friends and patrons that we have disposed of our business in Digestive Ferments, consisting of Pepsin, Pancreatin, and Compounds of the same, to Messrs. Parke, Davis & Co., Detroit, Michigan, and to whom we trust you will extend the patronage and favors which you have always shown us. Yours,

THE CUDAHY PHARMACEUTICAL CO.
By E. A. Cudahy, Vice-Pres. and General Manager.

That the high position of merit secured for the digestive ferments of the Cudahy Co. will be maintained by the Parke, Davis & Co., goes without saying. The thorough manner with which every venture of the firm is undertaken is a sufficient guarantee that they will immediately occupy a position among the leading manufacturers of ferments. The wisdom displayed in the purchase is also manifested in securing the services of Dr. A. E. Dickinson, who brings with him the result of five years' successful management of the Cudahy Co. A combination such as the foregoing is bound to command the respect and secure the patronage of the purchasing public.

“CANADIAN”

Homœopathic Vials



We wish to advise the trade that we are now manufacturing these goods in Canada, and to solicit your orders by asking you to specify the “**BEAVER BRAND**” when ordering from the wholesale.

Every package has a guarantee of “first quality,” and should there be cause for complaint, we will readily rectify same upon receipt of coupon.

Our Specialties :

Homœo. Vials Screw-cap Vials

Glass Syringes

fitted with nickel screw-caps or corks

Test Tubes, etc.

The Beaver Flint Glass Co., Ltd.

TORONTO, CANADA

If your jobber does not handle our goods
write us direct

A Profitable Side Line is what the druggist is looking for just now. Competition is keen, profits are reduced, and the volume of trade curtailed. Over the two former you have no control, but the latter depends upon yourself. The dry goods man and the grocer has not hesitated to invade what for years was looked upon as the legitimate field of the druggist. Our advice to the druggist is, go thou and do likewise. A stock of mixed paints would be a good investment to start with. Jas. Robertson & Co., of Montreal and Toronto, will furnish such and guarantee durability in their goods, as well as brilliancy of color. Read their ad. on page 332 of this journal and write for prices.

Quickcure.—The representative of the Quickcure Co., Mr. Carter, is at present placing the goods of that firm on the market in this province. This preparation comes to us with the highest recommendations from the medical and dental professions of Quebec. Its merits as a dressing for wounds of all descriptions appear to be well established. As a further commendation to the drug trade, the company are surrounding the sale with such safeguards as will guarantee a living profit. Only those who sign the company's contract not to either cut the price or sell to those who do so, are supplied.

Below will be found the price list of all preparations:

PRICE LIST "QUICKCURE."
Reg'd 1894.

	Per box holding 10 pots.	Per 100 pots.
Trial size.....	\$1 65	\$16 50
Regular size, contains three times trial size, and dental pickups	3 35	33 50
	Per box holding 5 pots.	
Large size, contains nine times trial size, and dental pickups	\$3 35	\$67 60

PRICE LIST ("QUICKHEAL") "Q.C. VETERINARY CURE."
Reg'd 1896.

	Per box holding 10 tins.	Per 100 tins.
Large tins (for horses and cattle)	\$3 35	\$33 50

PRICE LIST "Q.C. LIQUID TOOTH POWDER."
Reg'd 1896.

	Per box containing 10 bottles.	Per 100 bottles.
Large bottles	\$1 65	\$16 50
Retail prices, "Quickcure" per pot, 25c., 50c., \$1.00		
" (Quickheal) "Q.C. Veterinary Cure," per tin, 50c.		
" "Q.C. Liquid Tooth Powder," per bottle, 25c.		

Terms, 90 days, or 3 per cent. discount in 30 days.
Five per cent. trade discount to wholesale trade.
All sales are made under agreement that above prices will not be deviated from; and no goods to be sold to parties who shall be proved to have cut prices.
THE QUICKCURE COMPANY, LTD.,
75-77 Dalhousie St., Quebec.

TELEPHONE 2307

Mills, Travers, Keyes & Tennant

BARRISTERS, ETC.

Canada Life Chambers - - - TORONTO



1000, \$1.40

This is a sample of Pill Label No. 10 at \$1.40 per 1000. Accurately cut and ready to use. Gummed or ungummed; printed in Blue-Black ink, on good paper

LEVY & CO.

DRUGGISTS PRINTERS 19 Leader Lane Toronto

Francis U. Kahle

Sole Agent for the Dominion of Canada and Great Britain for

D. RANSOM, SON & COMPANY

STANDARD FAMILY MEDICINES

Ransom's Hive (Croup) Syrup and Tolu
for Coughs, Croup, etc.

Trask's Magnetic Ointment
for Inflammation, etc.

Dr. Ransom's King of the Blood
is being introduced in the Dominion of Canada.
This remedy has had an extensive sale throughout the United States for the past thirty years.

Being desirous of securing the co-operation of the drug trade on these articles, if you will write for our special offer in advertising it will be well worth your while. This special offer will be open for twenty days only after the issue of this paper. Address

FRANCIS U. KAHLE,
127 Bay Street,
TORONTO, Canada

Formula.

Resorcin in the Treatment of Eczema.—Dr. Hartzelle (cited in the *Independence Medicale*, January 6, 1897) recommends the following formula for erythematous eczema :

- R Resorcin 7½ grains
- Glycerin 30 “
- Limewater 450 “

M. S.: To be applied for a few minutes several times a day. This is said to allay the itching and check the secretion rapidly. After that he employs the following :

- R Vaseline 300 grains
- Powdered starch } each..... 75 “
- Zinc oxide }
- Resorcin 15 “

M. Make an ointment, to be used two or three times a day.—*N.Y. Med. Journal.*

For Large Acne Pustules—

- Ichthyol..... 1 part
 - Bismuth subnitrate 1 “
 - White precipitate..... 1 “
 - Vaseline.....10 “
- Apply at night.—*Von Hebra and Ullman.*

For Toothache—

- R Camphor. vas ,
 - Chloral hydrat..... aa gr. lxxv
 - Cocaini hydrochlor..... gr. xv
- M. Sig.—To be introduced into the tooth-cavity.

- R Cocaini hydrochlor..... gr. xv
- Opii gr. lx
- Menthol gr. xv
- Altheæ pulv..... gr. xlv

M. Div. in pellets weighing one-half grain each. Sig.—Place a pellet in cavity of the aching tooth.—*Med. and Surg. Reporter.*

FOR SALE.

Bottling outfit complete for manufacture of a popular beverage. Can be best pushed by live druggist. One thousand dollars would be necessary to operate properly. J. J. McLaughlin, 153 Sherbourne street.

WANTED.

A young man or boy to learn the business of a pharmaceutical chemist. Apply at once. R. J. McAlpine, chemist and druggist, Thessalon, Ont.

One live Drug Firm in each town of 2,000 and upwards is in touch with the Medical Profession.

We desire to establish an Agency with this Firm for

Mulford's Concentrated Antitoxin

WRITE FOR SPECIAL TERMS.



The Board of Health of the Province of Quebec endorses Mulford's Diphtheria Antitoxin.

Mulford's Antitoxic Serum has received the unqualified endorsement of all authorities. In every competitive examination Mulford's stood first in concentration, uniformity of strength and purity.

Recent Literature mailed on receipt of request.

H. K. MULFORD CO.
CHEMISTS

CHICAGO:
112 and 114 Dearborn Street

PHILADELPHIA:
412 to 420 South 18th Street

The LYMAN BROS. & CO., Ltd., Toronto, Canadian Agents

Kindly mention this Journal when writing to Advertisers.

SITUATIONS WANTED.

Situation as assistant or manager, by young man. Medallist of O.C.P. Good experience in city and town. Can give best of references. Apply Box 10, this office.

Situation wanted by a lady druggist with five years experience. Can also take charge of books. Good references. Address, M. Gibson, Belleville.

Situation wanted by competent drug clerk who is by no means afraid of work, having served over three years under first class employers. Testimonials good. References furnished at request. N. Ball, Hanover, Ont.

Situation wanted by young man as improver or assistant; two years experience in city drug store. Address, "Drugs," 113 Harbord street, Toronto.

Market Report.

February 20th.—Drugs—Trade is rather on the quiet side, but the tone is firm as a general thing. Opium is weak owing to the large arrivals at New York, and the unsettled condition of affairs in Turkey causing a pressure

to sell. Quinine has more than regained its former position and is held at an advance. Acetanilid keeps up. Carbolic acid advancing. Borax and acid boracic higher. Insect flowers scarce and dear, but powder can be had at any price. Atropia sulphur much higher. Chloroform has advanced. Camphor is higher in London; there are rumours that the syndicate is reviving. Borax is firm. Blue vitriol and arsenic are stiff, imparting strength to the market for Paris green. Mercury and mercurials are all higher. Balsams—Canada, tolu and copaiba are easier. Oils—Peppermint, lemon and bergamot are very cheap. Musk is higher and vanilla beans of good quality are scarce. Cardamoms are lower in London. Cinchonidia is scarce; makers are contracted ahead. Ergot is looking up. Gelatines advancing. Gum arabics of all grades are dearer. Newfoundland cod liver oil is unchanged, but Norwegian is lower and the demand is poor. Spices of all kinds are in good demand and prices are hardening, though still low as compared with old times. Caffeine and cocaine are both cheap. Manna higher, short crop. Mandrake root scarce and going up. Senega firm. Linseed oil is unchanged; the Americans are feeling this market but are not selling. Turpentine is higher in the South, and still higher rates are predicted.

WAMPOLE'S**BEEF, WINE and IRON**

In Pint Bottles.....\$5.00 per doz.
Winchester (½ Imp. Gal.)..... 2.00 each
Imp. Gal., in 5-gal. lots and over, 3.50 per gal.

With handsome lithograph labels, buyer's name prominently printed on same, at following prices:

½-gross lots, and over.....\$60.00 per gross
Packed in ½-gross Cases.

We use a pure Sherry Wine in the manufacture of this article, assuring a delicate flavor, and we guarantee the quality to be equal to any in the market.

We invite comparison with other manufacturers, and will cheerfully furnish samples for that purpose.

Your early orders and enquiries solicited through Wholesale Jobbers or direct to us.

Very truly yours,

HENRY K. WAMPOLE & CO.

Manufacturing Pharmacists

Canadian Branch:

PHILADELPHIA, Pa.

36 & 38 Lombard Street

TORONTO, Ont.

The Retail Price

OF

Dr. Agnew's Liver Pills**TO BE INCREASED**

When Dr. Agnew's Liver Pills were placed on the market at 10 cents a vial, it was the intention of the manufacturer to use them as an advertising medium to bring Dr. Agnew's three other remedies more prominently before the public. While in this the manufacturer has met with as much success as expected, yet as many druggists complain of the small profits accruing from the sale of the Dr. Agnew's Liver Pills, it has been decided (beginning with Jan. 1st) to increase the retail price from 10 to 20 cents a vial, and to sell them to the retail trade at such a low rate per dozen that almost the same profit will be made on them at 20 cents a vial as on a 25 cent pill. All druggists who have been interviewed claim to be much pleased with the proposed increase in retail price, and express the belief that they will soon attain the largest sale of any pill sold in the Dominion.

We respectfully solicit your

Spring Orders

for . . .

Gum Camphor

Naphthaline or Moth Camphor

Bulk or 1-lb. cartons.

"Shell" Brand Castile Soap

Short 3-lb. bars in 40-lb. boxes; long, flat 4-lb. bars in 110-lb. cases; 6-oz cakes, 1 gross in case.

"Virgin" Brand Castile Soap, small cakes.

Magnesia Citrate Eff.

Dairy Thermometers

Insect Powder, "E. & Co." 25-lb. boxes.

Paris Green

and will be pleased to enter your order for future delivery.

Perfect Emulsions

are made with **ACACINE**, the perfect emulsifier. No failures with this. Especially useful for extemporaneous emulsions.

1-lb. boxes, 90c. each.

Potass. Cyanide C.P. 98%
 " " Com'l, 30%
 Vulcanized Steel Spatulas
 Hydrozone, medium

"Smax" (new style), 40's, \$1
 Phenazone
 Sulphonal
 Extract of Vanilla

Powd. Skunk Cabbage
 Universal Enemas, white
 " " slate
 Ideal Atomizers Nos. 1, 3, 5

"Takem"
 Trional
 Salol
 Miller's Tin Boxes

"DIAMOND" LYE (powdered) reduced to \$3.60 per case.

Tucker's Sovereign — Balm

ourselves, will receive prompt attention.

We invite orders for this excellent remedy, which has been popularized in many localities by the persistent personal efforts of Mr. J. O. Tucker, its originator, who, unfortunately, is not now able to attend to its sale as formerly. Several large orders already received evidence the popularity to which it has attained through merit alone. Orders sent direct to Mr. Tucker at 65 Henry Street, Toronto, or to Mr. Tucker still retains, and will protect, his copyright.

PHENACETINE —When maker's name is not specified Bayer's is understood.
 —If Merck's is wanted, specify "Paracetphenetidine."

OUR FEBRUARY ADVERTISEMENT contained many lines of interest which we cannot repeat in this space. Please note especially **"Diamond" Lye** reduced as mentioned above.

Orders received by early mails go same day.

ELLIOT & CO. 5 Front St. East TORONTO

"Mist" Cough Lozenges

SELL ON SIGHT
GOOD PROFIT

10c.

The Key Medicine Company
395 Yonge Street, TORONTO

Special to Retail Druggists

Common Sense Exterminator

ROACHES AND BED BUGS

Only infallible remedy known. Expressly for the destruction of these, the greatest pests in the world. Once used, always recommended—never fails. Price—25c., \$1.75, 50c., \$3.50, \$1.00, \$8.00 doz.

COMMON SENSE EXTERMINATOR

For Rats and Mice

Free from poison, not dangerous to man or beast. DEAD RATS make no smell, as this preparation eats up flesh and bone before decay sets in. Four sizes—Price, 15c., \$1.00, 25c., \$1.75, 50c., \$3.50, \$1.00, \$8.00 doz. Above goods advertise themselves. Sold by wholesale druggists generally.

Manufactured by **COMMON SENSE MFG. COMPANY**
523 King Street West, TORONTO, Ont.

We are going out of the Sundry Trade, and offer at a bargain our line of

Atomizers

Perfumes

Feeding Bottles

Feeder Fittings

Suspensory Bandages

Nipples

Shaving Mugs

Toilet Paper

Trusses

It will pay to call before purchasing.

ALLAN & CO.,

182 BAY ST., TORONTO

Fine Ground Soap Bark, 10 cents per pound.

PRICES CURRENT.

CORRECTED TO MARCH, 1897.

The quotations appended represent average prices in the Toronto and Montreal Markets, for quantities usually purchased by Retail Dealers. Larger parcels may be obtained at lower figures, but quantities smaller than those named will command an advance.

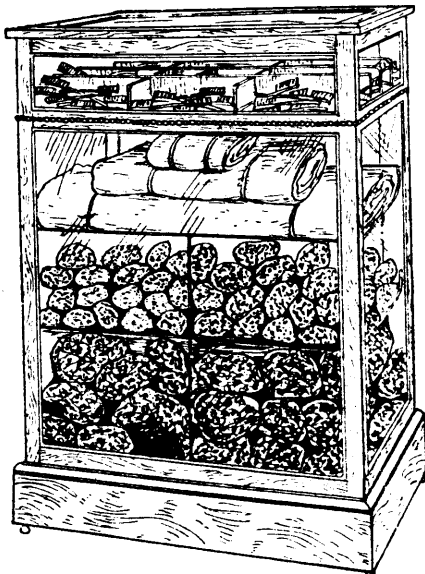
Acetanilid,	lb.	\$0 70	\$0 75
Acid, Acetic,	lb.	10	13
Arsenious, lump	lb.	25	27
Commercial	lb.	10	10
Benzoic, English, (from benzoin,)	oz.	22	25
German,	oz.	9	12
Boric	lb.	11	12
Carbolic, Crystals, super,	lb.	23	25
Commercial,	lb.	25	30
Crude	gal.	75	1 60
Citric,	lb.	40	45
Gallic,	lb.	90	1 00
Hydrodromic	lb.	30	32
Hydrocyanic,	oz.	12	14
Lactic, concentrated,	lb.	1 60	1 75
Muriatic,	lb.	3 1/2	5
chem. pure,	lb.	18	20
Nitric,	lb.	10	14
chem. pure,	lb.	25	27
Oxalic,	lb.	12	13
Phosphoric, syrupy,	lb.	50	60
dilute,	lb.	17	20
Salicylic,	lb.	65	70
Sulphuric,	lb.	2	5 b.
chem. pure,	lb.	19	22
Aromatic,	lb.	50	55
Tannic,	lb.	70	80
Tartaric, powdered,	lb.	35	38
Alcohol, pure, 650. p. by bbl., cash	gal.	4 17	00
by gal.	gal.	4 50	4 60
Methylated,	gal.	2 00	00
Allspice,	lb.	13	15
Powdered	lb.	15	20
Aloin,	oz.	25	30
Alum,	lb.	2 1/2	3
Ammonia, Liquor, 880,	lb.	10	12
Aromatic Spirits,	lb.	52	55
Bromide,	lb.	80	85
Carbonate,	lb.	12	14
Chloride, powd.	lb.	10	13
Chloride, pure, powd.	lb.	35	46
Iodide,	lb.	5 75	6 00
Nitrate,	lb.	35	40
Amyl Nitrite,	oz.	15	20
Antifebrin,	lb.	70	75
Antipyrine,	oz.	1 10	1 20
Antimony, black, powdered,	lb.	10	13
and potas, tart,	lb.	45	48
Liver	lb.	30	35
Apomorphia,	gr.	4	5
Arrowroot, Bermuda,	lb.	35	40
Jar aica,	lb.	14	15
Aristol,	oz.	1 85	2 00
Arsenic, Donovan's solution,	lb.	22	25
Fowler's solution,	lb.	7	8
White,	lb.	10	10
Atropine Sulphate,	gr.	2 1/2	00
Balsam, Canada,	lb.	50	60
Copaiba	lb.	85	95
Peru,	lb.	3 00	3 20
Tolu,	lb.	95	1 00

THE LYMAN BROS. & CO. LTD.

TORONTO

Have something
new in . . .

Sponge Cases



Crescent Sponge Case

Case made of oak, finished all around and fitted with casters; 44 in. high, 32½ in. long and 22 in. wide; two hinge doors at back and wire shelves; top has door to raise, with lock and key, and is supported by stay-joints; all double-strength glass. Also made with bevel plate top.



WRITE
FOR
PRICES



No. 4

Eclipse Sponge Case

Made of oak; 5 feet high, 20 in. square; oval glass at top; all double-strength glass; fitted with casters; wire shelves.

NEW ARRIVALS

- | | | | |
|------------|--|----------------------|----------------------------|
| Santonine | Gum Tragacanth | Hydrastia | Balsam Peru |
| Gum Mastic | Hemlock Bark | Formalin | |
| Curine | Iatrol | Sugden's Tar Pellets | Himalaya Kola Co. |
| | Papaine | Finkler | Stuart's Dyspepsia Tablets |
| | Mulford's Antitoxin and Antitoxin Syringes | | |
| Side Combs | Shaving Mirrors | Sick-feeders | Tooth Brushes |
| | | | Thermometers |

Just received, a large shipment of

Zeno's Highland Heather Roger & Gallet's Perfumes and Toilet Articles, etc.
1-oz. and 8-oz. bottles.

Kindly mention this Journal when writing to Advertisers.

Bark, Bayberry, powdered	lb.	15	18
Canella Alba,	lb.	15	18
Cassia,	lb.	15	20
groun	lb.	18	28
Cascara,	lb.	20	22
Cinchona, Red,	lb.	50	60
powdered,	lb.	60	70
Calisaya, yellow,.. .. .	lb.	40	50
pale,	lb.	35	50
powdered,	lb.	40	50
Elm, selected,	lb.	20	22
ground	lb.	18	22
flour, packets,	lb.	28	30
Prickly Ash,	lb.	15	17
Sassafras,	lb.	15	16
Soap Tree, cut,	lb.	13	15
" " grd.	lb.	18	20
Wild Cherry,	lb.	10	12
Bean, Calabar,	lb.	45	50
Tonka,	lb.	1 00	2 75
Vanilla,	lb.	9 75	11 00
Berry, Cubeb,	lb.	0 20	0 25
powdered,	lb.	0 30	0 35
Juniper,	lb.	6	8
Bismuth, Sub-carbonate,	lb.	2 00	2 10
Ammonio-Citrate	oz.	40	44
Iodide	oz.	50	60
Salicylate	oz.	20	25
Sub-Nitrate,	lb.	1 75	1 85
Liquor,	lb.	35	40
Borax,	lb.	6	7
powdered,	lb.	7	8
Butter, Cacao,	lb.	65	80
Caffeine,	oz.	55	65
Citrate,	oz.	40	45
Camphor, English,	lb.	58	70
American,	lb.	58	70
Cantharides,	lb.	1 50	1 60
powdered,	lb.	1 65	1 75
Capaicum,	lb.	22	25
powdered,	lb.	25	30
Carbon, Bisulphide,	lb.	16	20
Cerium Oxalate,	lb.	1 50	1 65
Chalk, French, powdered,	lb.	6	10
Precipitated,	lb.	10	12
Prepared,	lb.	5	6
Chloroform, pure,	lb.	1 10	1 20
D. & F.	lb.	1 00	2 00
German,	lb.	60	65
Chloral hydrate,	lb.	1 20	1 25
Cinchonine, Muriate,	oz.	15	20
Sulphate,	oz.	20	25
Cinchonidia, Sulphate,	oz.	20	22
Cloves,	lb.	15	17
powdered,	lb.	35	40
Cocaine, Mur.	oz.	3 25	4 00
Cochineal, S. G.,	lb.	40	45
Black,	lb.	42	45
Codeine,	oz.	4 50	4 75
Collodion,	lb.	75	80
Confection, Senna,	lb.	35	40
Copper, Sulphate,	lb.	5 1/2	6
Copperas,	lb.	90	00
Cotton, absorbent,	lb.	32	70
Cream Tartar, powdered,	lb.	25	28
Croton Chloral,	oz.	50	56
Creolin,	lb.	50	60
Creosote, Wood,	lb.	1 00	2 30
Cudbear,	lb.	18	20
Cuttle-fish Bone,	lb.	20	30
Epsom Salts, see MAGNESIUM SULPH.			
Ergot,	lb.	40	50
Ether, Acetic,	lb.	75	80
Nitrous, Spirits,	lb.	35	65
Sulphuric, 725,	lb.	35	75
Eucalyptol,	oz.	16	20
Exalgine,	oz.	1 20	1 25

DO YOU CARRY

ODOROMA In Stock?
IF NOT, WHY NOT?
ODOROMA
D O R O M A
The Perfect Tooth Powder

Has captured the market wherever it has been introduced. If it is a new thing to you, here are a few reasons why you should handle it:
It is cleansing, antiseptic, fragrant, refreshing. It is perfectly harmless. It has been analyzed by the most expert chemists, who have all reported in the most favorable terms. It sells at a glance in the first instance, and on its reputation thereafter. It yields more profit to the retailer, and to the consumer a greater quantity of the best quality, than any other tooth powder in the world.

REPORT OF EXPERT ANALYSIS.
"Having analyzed and tested 'Odoroma,' I find it to be composed of ingredients well known to the dental and medical profession as being the best for cleansing and preserving the teeth. It contains nothing that could in any way be deleterious in its action, and it has my unqualified approval."—W. T. STUART, M.D., C.M., *Professor of Chemistry, Trinity Medical School; Professor of Chemistry, School of Dentistry.*

Order from your Wholesale House.
AROMA CHEMICAL CO., - Toronto

TURKISH DYES
TURKISH DYES
TURKISH DYES
TO THE TRADE

We desire to call the attention of the trade to the above package dyes, which have been on the market for the past nine years. The sales have increased wonderfully in that period, and the have given every satisfaction, both to the retailer and consumer. Every LIVE DRUGGIST handles Turkish Dyes.

Write for Prices, Samples, &c., to

BRAYLEY SONS & COMPANY
MONTREAL

Druggists' Confectionery.

The special attention of Chemists

IS DRAWN TO THE FOLLOWING :

GLYCERINE PASTILLES

Beautifully Bright.

Perfectly Soluble.

Quite Transparent.

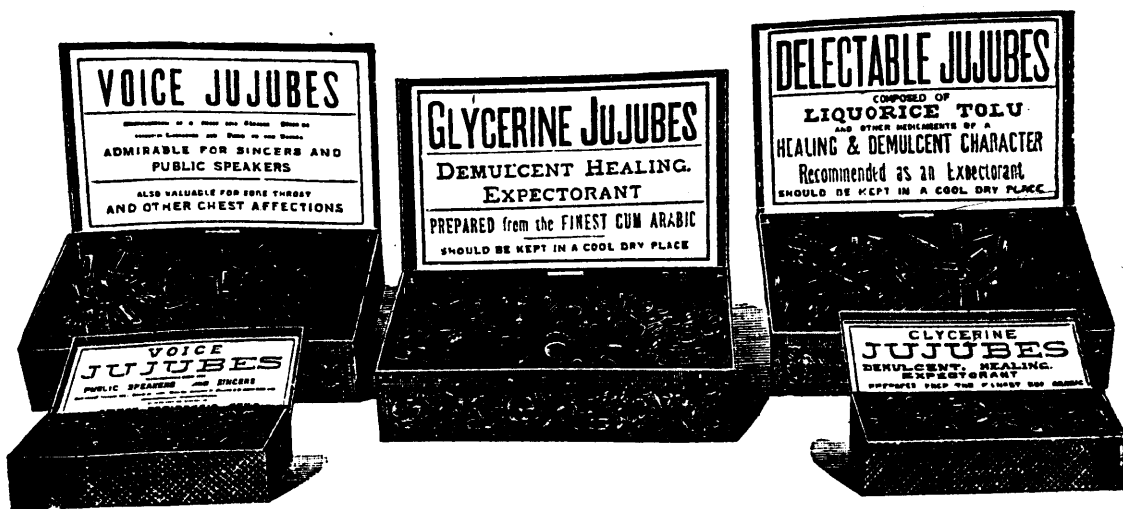
ROBERT GIBSON & SONS

By a process recently discovered, are producing the most charming

GLYCERINE PASTILLES AND JUJUBES

Ever offered to the trade.

PUT UP AND SENT OUT IN 4 LB. GLASS JARS OR DECORATED TINS, AS DESIRED BY CUSTOMERS, AND BOTH FREE.



SAMPLES SENT ON APPLICATION TO THE WORKS.

ROBERT GIBSON & SONS, CARLTON WORKS, **MANCHESTER,**

AND 1 GLASSHOUSE YARD, ALDERSGATE ST., LONDON, ENGLAND

Extract Belladonna,	lb.	1	20	2	00
Colocynth, Co,	lb.	2	00	2	25
Gentian,	lb.		50		56
Hemlock, Ang,	lb.	1	25	1	50
Henbane, "	lb.	3	50	3	75
Jalap,	lb.	2	50	3	00
Logwood, bulk,	lb.		13		14
packages,	lb.		15		18
Mandrake,	lb.	1	75	2	00
Nux Vomica,	oz.		30		35
Opium,	oz.		85		90
Rhubarb,	lb.	4	00	5	00
Sarsa. Hond. Co.,	lb.	1	00	1	20
" Jam. Co.,	lb.	3	00	3	20
Taraxacum, Ang,	lb.		70		80
Flowers, Arnica,	lb.		20		22
Chamomile	lb.		20		25
Lavender,	lb.		13		15
Formalin,	lb.		75		80
Fuller's Earth, powd... .. .	lb.		5		6
Galls,	lb.		21		25
powdered,	lb.		23		25
Gelatine, Cox's 6d.,	doz.	1	20	1	25
French,	lb.		45		60
Glycerine, 30°,	tin or lb.		23		25
Price's,	lb.		70		75
Grains Paradise, powd.	lb.		25		30
Green, Paris,	lb.	14	18		
Gum, Aloes, Barb,	lb.		25		40
Aloes, Cape,	lb.		18		20
powdered,	lb.		27		30
Socot,	lb.		45		48
powdered,	lb.		70		75
Arabic, select,	lb.		40		60
" powdered,	lb.	0	60		90
sorts,	lb.		25		30
powdered,	lb.		40		50
Asafetida,	lb.		40		45
Benzoin,	lb.		30	1	00
Catechu,	lb.		17		18
powdered,	lb.		22		25
Gamboge,	lb.	1	00	1	20
Guaiaicum,	lb.		40	1	00
Myrrh,	lb.		40		45
Opium,	lb.	3	75	3	80
powdered,	lb.	4	80	5	00
Scammony, powdered,	lb.	6	00	7	00
Shellac, orange,	lb.		32		38
bleached	lb.		45		50
Storax,	lb.		40		50
Tragacanth, flake,	lb.		85	1	00
common,	lb.		65		75
Herb, Chiretta,	lb.		45		50
Goldthread, in ozs.	lb.		75		90
Horehound, in ozs.	lb.		18		20
Lobelia,	lb.		18		20
Honey, Canada, best,	lb.		11		13
Hops,	lb.		15		22
Hydrogen Peroxide, C.P., Harvey's, No. 1, doz.			8		50
Ichthyol,	oz.		35		45
Indigo, Madras,	lb.		75		80
Insect Powder, pure	lb.		35		38
Iodine, commercial,	lb.	5	00	5	25
Resublimed,	lb.	5	50	5	75
Iodol,	oz.	1	40	1	50
Iron, Carbonate, Precipitated,	lb.		13		14
Saccharated,	lb.		35		40
Chloride, solution, B. P.,	lb.		15		18
Citrate and Ammonium,	lb.		65		75
and Quinine, 4 per cent.	oz.		12		16
" " 10 per cent.	oz.		14		20
" " 25 per cent.	oz.		17		25
" Quinine and Strychnine,	oz.		21		00
and Strychnine,	oz.		15		00
Dialyzed, solution,	lb.		50		60
Iodide, Syrup,	lb.		40		45
Pyrophosphate,	lb.	1	00	1	20

SEELY'S

3 OUNCES

Parisian Balm



*The SURE CURE for
CHAPPED HANDS and
ROUGH SKIN...*

Superior to Glycerine, Camphor Ice
and other known remedies.

\$2 PER DOZ.

Quick relief. No smarting. No sticky, disagreeable effect. Delicately perfumed with distilled Roses.

ITS USES:

**For the Ladies' Boudoir
For Gentlemen after shaving
For Nursery use**

Free from poison or other harmful ingredients.

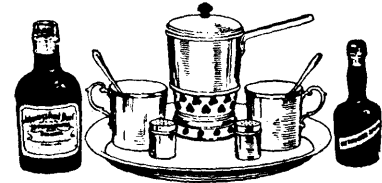
* * **SEELY** — The American Perfumer

DETROIT, Mich.
WINDSOR, Ont.

FLUID BEEF SET.

(Made of Pure Aluminum)

A Handsome and Convenient Outfit For Room or Office



. . . OUR SPECIAL OFFER . . .

1 Tray, 1 Spirit Lamp, 2 Cups, 2 Spoons,
1 Water Boiler, 2 Salt and Pepper Casters,
1 Bottle Methylated Spirits.

1 16 ounce Bottle JOHNSTON'S FLUID BEEF
(Brand Staminol.)

The whole neatly cased for
\$3.50

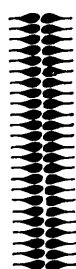
Expressed prepaid on receipt of price.
Remit by Express or Post Office Order payable to

The Johnston Fluid Beef Co., Montreal

Iron Sulphate, pure,..	..	..	..	lb.	7	8
Iodoform, ..	..	..	..	lb.	6 00	6 50
Jalapin, ..	..	..	..	oz.	65	70
Japonica, ..	..	..	..	lb.	8	9
Lanoline, ..	..	..	..	lb.	0 85	1 00
Lead, Acetate, white, ..	..	..	..	lb.	12	15
Iodide ..	..	..	..	oz.	30	35
Sub-Acetate, sol. ..	..	..	..	lb.	10	12
Leaf, Belladonna, ..	..	..	..	lb.	25	30
Buchu, ..	..	..	..	lb.	20	25
Coca, ..	..	..	..	lb.	40	60
Digitalis, ..	..	..	..	lb.	15	22
Eucalyptus, ..	..	..	..	lb.	18	20
Hyoscyamus, ..	..	..	..	lb.	20	28
Jaborandi, ..	..	..	..	lb.	50	56
Matico, ..	..	..	..	lb.	75	80
Senna Tinnevelly, ..	..	..	..	lb.	15	25
" India, ..	..	..	..	lb.	13	17
Stramonium, ..	..	..	..	lb.	25	30
Uva Ursi, ..	..	..	..	lb.	12	17
Leeches, ..	..	..	..	dz.	1 00	1 10
Leptandrin, ..	..	..	..	oz.	50	60
Lime, Chloride, ..	..	..	..	lb.	3½	5
packages, ..	..	..	..	lb.	0	7
Hypophosphite ..	..	..	..	lb.	1 40	1 50
Phosphate, ..	..	..	..	lb.	35	38
Sulphite, ..	..	..	..	lb.	9½	10
Liquorice, Solazzi, ..	..	..	..	lb.	45	50
Pignatelli, ..	..	..	..	lb.	35	38
Y. & S. Pellets, ..	..	..	..	lb.	40	00
" Stick, ..	..	..	..	lb.	35	00
Other Brands, ..	..	..	..	lb.	14	35
Lithium, Bromide ..	..	..	..	oz.	40	44
Carbonate, ..	..	..	..	oz.	28	30
Citrate ..	..	..	..	oz.	25	00
Salicylate ..	..	..	..	oz.	35	40
Lye, concentrated, ..	..	..	..	dz.	75	95
Madder, best Dutch, ..	..	..	..	lb.	12½	14
Magnesia, Carb 1 oz...	..	..	..	lb.	16	18
" 4 oz...	..	..	..	lb.	13	15
Calcined, ..	..	..	..	lb.	50	55
Citrate, gran., ..	..	..	..	lb.	40	75
Sulphate, ..	100	lbs.	1 75			
Manganese, black oxide, ..	..	..	..	lb.	4½	6
Manna, ..	..	..	..	lb.	85	1 00
Menthol, ..	..	..	..	lb.	4 00	4 50
Mercury, ..	..	..	..	lb.	75	90
Ammoniated, ..	..	..	..	lb.	1 30	1 40
Bichlor, ..	..	..	..	lb.	80	90
Biniodide, ..	..	..	..	lb.	4 00	4 60
Bisulphate, ..	..	..	..	lb.	1 10	1 15
Chloride, ..	..	..	..	lb.	90	95
c. Chalk, ..	..	..	..	lb.	60	65
Nitric Oxide, ..	..	..	..	lb.	95	1 10
Oleate, ..	..	..	..	lb.	65	90
Oxide, yellow, ..	..	..	..	lb.	1 60	1 70
Milk Sugar, ..	..	..	..	lb.	25	35
Morphia Acet, ..	..	..	..	oz.	1 75	2 00
Mur, ..	..	..	..	oz.	1 75	2 00
Sulph, ..	..	..	..	oz.	1 80	2 00
Moss, Iceland, ..	..	..	..	lb.	12	13
Irish, ..	..	..	..	lb.	10	11
Musk, Tonquin, true, ..	..	..	..	oz.	46 00	48 00
Canton, ..	..	..	..	oz.	60	70
Naphtha, Wood ..	..	..	..	pt.	85	90
Naphthol, Beta, ..	..	..	..	oz.	10	12
Nutmegs, ..	..	..	..	lb.	90	1 00
Nux Vomica, ..	..	..	..	lb.	8	10
powdered, ..	..	..	..	lb.	25	27
Oil, Almond, Bitter, ..	..	..	..	oz.	45	80
Sweet, ..	..	..	..	lb.	35	40
Amber, rectified, ..	..	..	..	lb.	75	80
Anise, ..	..	..	..	lb.	2 75	3 00
Bergamot, ..	..	..	..	lb.	3 00	3 25
Caraway, ..	..	..	..	lb.	3 50	4 00
Cassia, ..	..	..	..	lb.	2 75	3 00
Castor, ..	..	..	..	lb.	9	10
Cedar, ..	..	..	..	lb.	50	90

DRUGGISTS...

SELL



Gibbons' Toothache Gum

The First and Best of all Toothache Gums...

Don't be without this necessary means of increasing your sales.

Advertising matter supplied on application to

J. A. GIBBONS & CO.

6 Wellington St. East, TORONTO

SPONGES, etc.

For New Years Trade.

We desire to call the attention of the Trade to the additions made to our already numerous lines of Sponges and Chamois Skins, etc.

Our Travellers are now prepared to show lines in

Mandraka Bath and Honeycomb Sponges....

Forms, Half Forms and Cuts.

Finest goods ever shown in Canada.

BATH SPONGES

in Florida and Abaco Sheep Wool, Nassau, Abaco and Cuba Velvets, and Florida Yellow; Nassau and fine Acklin Reef and Acklin Grass; also superior line in fine Surgical, Zemoka Toilet, and finest Silk Toilet.

CHAMOIS SKINS

American and English, first and second qualities.

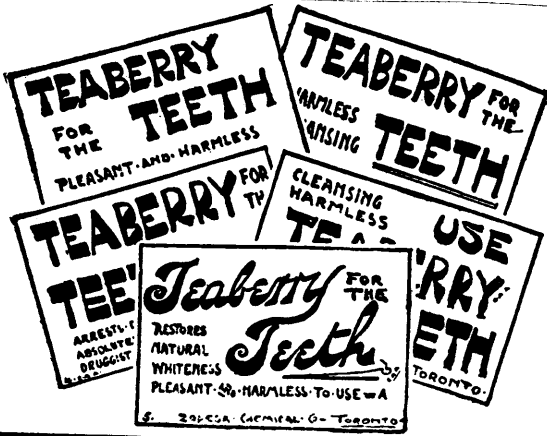
CHAMOIS VESTS and PROTECTORS

Send for Catalogue.

Saunders & Evans,

Office and Warerooms:

30 Wellington Street East, TORONTO.



Winter

with its balls, dances and parties, brings you many new customers for **TEABERRY**. We are helping you secure more customers this year with increasing advertising. We are running this series of advertisements in the best papers all over Canada.

Order from your jobber.

ZOPESA Chemical Co.
TORONTO

Fine Confectionery for Druggists

Before placing your orders for goods in this line, send to me for list and prices.

A. J. STEWART
410 Queen St. W., TORONTO

STEWART'S EXTRA STRONG HOREHOUND

STEWART'S COUGH DROPS have no equal

STEWART'S FLORAL TABLETS

STEWART'S FINE CHOCOLATES in great variety

STEWART'S MEDICATED LOZENGES

RADNOR MINERAL SPRING WATER

The Purest and Most Delicious of Natural Table Waters. Fresh and Sparkling from the Canadian Laurentian Hills, specially adapted for use in the sick room, and unequalled as an exquisite dilutant with wines and liquors.

ANALYSIS OF RADNOR SPRING WATER.

By **J. T. DONALD, M.A.**, Professor of Chemistry, Medical Faculty, Bishop's College, Analytical and Consulting Chemist and Assayer.

MONTREAL, June 14, 1894.

"I hereby certify that I have analyzed the sample of Radnor Water received from the Canada Iron Furnace Co., Limited, and find the following results in 10,000 parts of water:

Chloride of Sodium	14.354	Bicarbonate of Sodium ..	1.167
Chloride of Potassium ....	.211	Carbonate of Lime	2.940
Sulphate of Sodium .....	.210	Carbonate of Iron	Traces
Sulphate of Magnesia	1.262	Silica .....	.145
Bromide of Sodium .....	.080		

In 10,000 parts of water.. 20 899

"The analysis shows that Radnor Water is of the same class as Apollinaris and German Seltzer. Like those, it contains no excess of Sodium Chloride and Carbonate of Lime; and, again, like these, it contains the valuable ingredients in such proportions that its use as a table water overcomes constipation and acidity of the stomach in a gentle and pleasant manner. And it must not be forgotten that the valuable Sodium Bromide, which is entirely wanting in the German waters named, exists in appreciable quantity in the Radnor Water, making it a most desirable tonic."

RADNOR WATER CO., - - - MONTREAL and RADNOR, Que.

"Radnor" can be obtained from all leading Druggists, Grocers, and all principal Clubs, Hotels, Restaurants, etc.

Oil, Citronella,	lb.	1	10	1	25
Cloves,	lb.	1	00	1	10
Cod-liver, N. F.,	gal.	2	25	2	30
Norwegian,	gal.	3	00	3	25
Cotton Seed,	gal.	80	1	00	
Croton,	lb.	1	50	1	60
Cubeb,	lb.	2	20	2	25
Eucalyptus,	lb.	1	25	1	60
Geranium, India,	lb.	3	15	3	20
Hemlock,	lb.	75		80	
Juniper wood,	lb.	65		70	
Lavender, English,	oz.	2	25	3	00
French, pure,	lb.	3	50	4	00
Garden,	lb.	1	50	3	50
Lemon,	lb.	1	75	2	00
Lemon Grass,	lb.	1	50	1	60
Linseed, Boiled,	9 lb., gal.	51		64	
Raw,	gal.	58		61	
Male Fern	lb.	2	00	2	50
Neatsfoot,	gal.	1	00	1	10
Neroli, Bigarade,	oz.	4	25	4	50
Olive, common,	gal.	1	20	1	25
Salad,	gal.	2	40	2	50
Orange,	lb.	2	00	2	75
Origanum,	lb.	65		85	
Pennyroyal,	lb.	1	25	1	35
Peppermint, English,	lb.	16	00	16	50
American,	lb.	2	75	3	00
Pinus Sylvestris,	oz.	10		12	
Rose, Kissanlik,	oz.	9	60	10	00
good,	oz.	7	50	8	00
Rosemary,	lb.	70		75	
Sandalwood,	lb.	5	50	7	50
Sassafras,	lb.	70		80	
Seal, pale,	gal.	55		60	
Sperm, Winter Bleached,	gal.	1	20	1	25
Tansy,	lb.	4	25	4	50
Union Salad,	gal.	1	00	1	10
Wintergreen,	lb.	2	00	2	25
Ointment, Mercurial,	lb.	70		75	
Citrine,	lb.	45		50	
Opium.—SEE GUM.					
Orange Peel,	lb.	16		70	
Paraldehyde,	oz.	13		15	
Pepsin, Morson's,	oz.	85		90	
Saccharated,	lb.	2	50	6	00
Pepper, Black,	lb.	12		14	
powdered,	lb.	12		15	
White powderd,	lb.	22		25	
Pill, Blue, Mass,	lb.	70		80	
Pilocarpine, Nitrate,	gr.	25		30	
Pitch, Black,	bbl.	3	50	3	75
Burgundy,	lb.	13		15	
Phenacetine,	oz.	40		45	
Phosphorus,	lb.	90		1	00
Podophyllin,	oz.	40		45	
Poppy Heads,	100	75		90	
Potassa, Caustic, white sticks,	lb.	65		70	
Liquor,	lb.	10		12	
Potassium, Acetate,—granulated	lb.	28		30	
Bicarbonate,	lb.	17		20	
Bichromate,	lb.	14		15	
Bitartrate (Cream Tartar),	lb.	27		29	
Bromide,	lb.	68		70	
Carbonate,	lb.	13		15	
Chlorate,	lb.	15		18	
Cyanide, Fused,	lb.	35		45	
Iodide,	lb.	3	75	4	00
Nitrate,	lb.	7½		9	
Permanganate,	lb.	40		45	
Prussiate, Red, powdered,	lb.	50		55	
Yellow,	lb.	30		32	
and Sodium Tartrate (Rochelle					
Salt)	lb.	29		30	
Sulphur,	lb.	25		27	
Quassia,	lb.	10		12	
Quinine, Howard's,	oz.	28		30	
German,	oz.	21		23	

Resorcin,	oz.	18		20	
Rosin, strained,	bbl.	3	00	3	75
Clear, pale,	bbl.	4	00	4	75
Root, Aconite,	bulk, lb.	20		22	
Blood, powdered,	lb.	13		15	
Cohosh, Black,	lb.	15		16	
Colchicum, German,	lb.	40		45	
Columbo,	lb.	18		20	
powdered,	lb.	25		30	
Curcuma, ground,	lb.	13		15	
Elecampane,	lb.	12		13	
powdered,	lb.	15		17	
Gentian,	lb.	11		12	
ground,	lb.	12		13	
powdered,	lb.	13		15	
Ginger, E. I.	lb.	15		18	
powdered,	lb.	16		20	
Jamaica,	lb.	24		30	
powdered,	lb.	28		30	
Golden Seal, powdered,	lb.	40		55	
Hellebore, White, powdered,	lb.	13		15	
Ipecac,	lb.	1	75	2	00
powdered,	lb.	2	00	2	10
Jalap, powdered,	lb.	45		50	
Licorice, select,	lb.	12		23	
powdered,	lb.	10		12	
Mandrake,	lb.	13		16	
Orris, Florentine,	lb.	25		30	
powdered,	lb.	30		35	
Pink,	lb.	40		45	
Rhubarb, E.I.	lb.	60		70	
fine trimmed	lb.	2	50	4	50
powdered,	lb.	1	00	2	50
Sarsaparilla, Honduras,	lb.	40		45	
Jamaica,	lb.	60		65	
Sarsaparilla, Mexican,	lb.	16		18	
Senega,	lb.	60		65	
Squill, white,	lb.	10		12	
Valerian, English,	lb.	18		20	
Salol,	lb.	1	50	1	75
Sal Soda,	lb.	2		2½	
by bbl.	lb.	1½		1½	
Epsom, by bbl.	100 lb.	1	75	2	00
Salicin,	lb.	3	00	3	25
Santonin,	lb.	3	00	3	25
Seed, Anise, Italian,	lb.	13		14	
Star,	lb.	35		38	
Canary, Sicily,	lb.	3½		4½	
Caraway,	lb.	12		15	
Cardamon, Malabar,	lb.	1	00	1	20
decorticated,	lb.	1	50	2	00
Celery,	lb.	20		25	
Colchicum, German,	lb.	25		30	
Coriander,	lb.	10		12	
Flax, cleaned, Ontario,	100 lbs.	25		3	75
pure ground	lb.	3½		4	
Fenugreek, powdered,	lb.	6		8	
Hemp,	lb.	4		4½	
Mustard, white,	lb.	7		8	
powdered,	lb.	20		50	
Rape,	lb.	6		7	
Saffron, American,	lb.	50		55	
Spanish,	oz.	1	25	1	25
Sage, ozs.	lb.	18		20	
Silver, Nitrate,	cash, lb.	7	90	9	00
Soap, Castile, mottled,	lb.	10		12	
White,	lb.	8		16	
Soda, Ash,	keg or cask.	2		2½	
Caustic,	drum or lb.	3½		5	
Sodium, Acetate,	lb.	25		30	
Bicarb, Howard's,	lb.	16		17	
Newcastle,	keg.	2	75	2	75
Carbonate, crystal,	lb.	1½		3	
Hyposulphite,	lb.	4		6	
Salicylate,	lb.	95		1	00
Sulphate, Glauber's salt	lb.	1½		3	
Sponges, Grass	lb.	55		55	
Reef	lb.	1	50	1	75

Sponges, Slate,	lb.	1 00	1 10
Sheepswool,	lb.	2 00	2 40
Bath, loose, common.. .. .	lb.	1 75	2 50
Bath, fine qual.,... .. .	100	10 00	40 00
Surgeon's	string	1 50	2 50
Turkey.. .. .	string	3 00	10 00
Turkey, Cup, fine	each	0 50	1 00
Strychnine, crystals.	oz.	0 80	1 10
Sulphonal,	oz.	45	45
Sulphur, precipitated,.. .. .	lb.	13	20
sublimed,	lb.	3	4
roll,	lb.	2½	3½
Tin, Muriate, crystals,.. .. .	lb.	25	28
foil	lb.	30	32
Tamarinds,	lb.	13	15
Tar,	bbl.	3 25	3 50
Barbadoes,.. .. .	lb.	15	16
Terebene,	lb.	60	65
Turpentine, Spirits,	gal.	50	55
Chian,.. .. .	oz.	70	75
Venice,	lb.	12½	13
Veratria	oz.	2 25	2 50
Verdigris,	lb.	30	35
Wax, White, pure,	lb.	55	75
Yellow,	lb.	40	45
Mineral,	lb.	25	35
Woods, Camwood,	lb.	8½	10
Fustic, Cuban,	lb.	2½	3
Logwood, Campeachy,	lb.	2½	3½
Quassia,	lb.	10	12
Redwood,	lb.	3½	5
Zinc, Chloride,	oz.	10	15
Oxide,	lb.	13	60
Sulphate, pure,	lb.	9	12
common,	lb.	6	9
Valerianate,	oz.	25	28
Sulphocarbolate,	lb.	1 00	1 10

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