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CANADIAN DRUGGIST.

DEVOTED TO THE INTERESTS OF THE GENERAL DRUG TRADE AND TO THE ADVANCEMENT OF PHARMACY.

VOL. 2 { PUBLISHING HOUSE, }
{ STRATHROY ONT. }

AUGUST, 1890.

{ 6 WELLINGTON ST. WEST, } No. 8.
TORONTO, ONT.

CANADIAN DRUGGIST.

WILLIAM J. DYAS, - Editor and Publisher.

SUBSCRIPTION, \$1 PER YEAR, IN ADVANCE.
Advertising Rates on Application.

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

All cheques or drafts to be made payable to the editor.
New advertisements or changes to be addressed

CANADIAN DRUGGIST,

TORONTO OFFICE, STRATHROY, ONTARIO,
6 Wellington St. West.

Recognition of Diplomas.

At the annual meeting of the Quebec Pharmaceutical Association the following motion was introduced but lost on a division:

"Moved by Mr. Morrison, seconded by Mr. Dickson, that the incoming Council be requested to take into consideration the opening of negotiations for an interchange of diplomas with the Ontario College of Pharmacy, and with the New York, Philadelphia and Boston Colleges of Pharmacy, and with any other college whose curriculum of studies may come up to the requirements of the Quebec Pharmacy Act."

This motion gave rise to considerable discussion, some of the speakers citing the case of the Ontario College Council, who have secured the recognition of their diplomas without the necessity of any further examination, and claiming it would be a decided advantage for the Quebec graduates were they enabled to do the same. On the other hand the argument was used especially by one member, that in case of an interchange with Ontario the druggists of the latter Province would be too much for Quebec, and possibly crowd out some of them and he would therefore oppose it, but would not be opposed to an interchange with U. S. Colleges. This is certainly a very contracted way of looking at the matter, and we cannot believe that any such feeling is general in regard to a mutual recognition of diplomas between these sister provinces. We hope the day is not far distant when all licentiates of pharmacy in the Dominion will pass the same examinations, hold the same qualifications and be at liberty to go into business in any of the provinces under a Dominion Pharmacy Act.

Manitoba Pharmaceutical Association.

The quarterly meeting of this association was held on Wednesday evening, President G. W. McLaren in the chair.

A letter was read from Mr. W. J. Mitchell resigning his seat at the council and the office of treasurer. A resolution moved by Mr. B. M. Caniff, seconded by Mr. A. H. Monckton, expressing the deep regret of the council that circumstances should cause their esteemed friend Mr. Mitchell to sever his connection with the association was unanimously passed, and Mr. C. Flexon was elected to supply the vacancy in the council and Mr. Monckton was elected treasurer.

The Registrar (Mr. J. K. Strachan) submitted his quarterly report which was adopted, and, in connection with the illegal sale of poisons which was being carried on in different parts of the Province by store keepers and officers of municipalities, the council instructed the Registrar to issue by way of advertisement a notice cautioning those persons against such illegal sale.

Banquet to W. J. Mitchell.

HIS FELLOW DRUGGISTS ASSEMBLE AT THE CLARENDON TO DO HIM HONOR.

The members of the Pharmaceutical Association tendered their old member and ex-President, Mr. W. J. Mitchell, a banquet Wednesday, July 15th, at the Clarendon Hotel, on the eve of his removal from Winnipeg. A large number of gentlemen assembled to honor the guest of the evening. Among those present were Messrs. G. W. McLaren, President of the Manitoba Pharmaceutical Association; J. F. Howard, Vice-President; A. H. Monckton, Caniff, Gordon, Inman, Jackson, Flexon, Parkinson, Rosset, Martin, Bole, D. L. McIntyre, Neelands, Leonard, Strachan, Registrar; McKinnon, (Northrop, Lyman & Co.), Bartlett and Howard Mitchell. Telegrams and letters of regret at their inability to be present were read from E. Casselman, Emerson, Dr. Cruikshank, Rapid City, John Stork, Portage la Prairie, Dr. Wright, Oak Lake, R. H. Gillhuly, Selkirk, F. T. Carman, Masonia, J. A. Hobbs, Pilot Mound; W. P. Duncalf, Morden; N. J. Halpin, Brandon; Mr. Wright, Boissevain; J. W. Fleming, Brandon, and C. Scadding, Virden. After doing ample justice to the splendid spread provided by

the proprietors, and after the usual loyal toasts, the chairman, in fitting terms, proposed "The guest of the evening," pointing out the long and valuable services rendered by Mr. Mitchell on the council of the association, and of his sterling worth both as a business man and as a private citizen. The toast was heartily received and drunk with all the honors, and Mr. Mitchell replied expressing the pleasure he had had for a long number of years in his intercourse and connection with the members of the association, and the regret that he felt at parting from so many, assuring them of the deep interest he would always feel in the welfare of the association.

The Manitoba Pharmaceutical Association was then proposed and ably responded to by Messrs. Jackson, Flexon and Gordon.

The Council was responded to by Messrs. Caniff and Monckton.

The Examining Board, given by the Vice Chairman, Mr. Howard, was responded to by Messrs. McLaren and Neelands. Sister associations, by Messrs. Martin and McIntyre. The wholesale trade, by Messrs. Martin and Role; the retail trade, by Messrs. Parkinson and Inman; and the commercial travellers was responded to by Mr. McKinnon.

Mr. Mitchell proposed in complimentary terms the health of the Registrar, J. K. Strachan, to which he duly responded.

Mr. Howard Mitchell and Mr. Leonard responded to the ladies. After drinking to the host, a most enjoyable evening was brought to a close, and all joined in expressions of esteem and respect to their honored guest, and the regret felt by everyone at losing from amongst them one who had been such a good friend to the association and who had secured the respect and good will of all who knew him.

PYRETHRUM FLOWERS.—The external use of Pyrethrum flowers for insecticidal purposes to orchards and vineyards has directed attention to the systematic cultivation of the plant. It is stated that at Atwater, California, a single manufacturing company has 100 acres of land devoted to the growing of *Pyrethrum cinerariaefolium*.

A surgeon must have an eagle's eye, a lion's heart and a lady's hand. — *Medical World*.

Prosecution at Winnipeg.

Mr. Walter Palford and Mr. George E. Duncann appeared before Lieut.-Col. Peebles, Police Magistrate, at Winnipeg, on the 26th ult., the former charged with carrying on a branch store on Main-street, in the city of Winnipeg, "without having employed therein a duly registered Pharmaceutical Chemist," and the latter "not being a Pharmaceutical Chemist or certified clerk with compounding a prescription of a legally authorized Medical Practitioner." Both the defendants pleaded "guilty," and the Magistrate deferred giving judgment until the 30th ulto.

On the cases being again called on, Mr. J. K. Strachan on behalf of the prosecution stated that the Pharmaceutical Association who were entrusted by the Legislature with the work of enforcing the Act, did not wish to press the matter harshly against the defendants. He pointed out how much the public were interested in having only qualified persons employed in the important work of compounding prescriptions and dealing with poisons. Although Mr. Palford had been verbally warned several times and also notified by letter that he could not be allowed to further violate the law, he, (Mr. Strachan) suggested that it would be sufficiently vindicated by imposing the minimum penalty.

The Magistrate adopting the suggestion of the prosecution imposed a fine of twenty dollars and costs in each case.

To Prevent Gelatinization of Liquor Ferri Albuminatis.

A writer in the *Pharmaceutische Zeitung* states that the addition of 5 per cent. of glycerin will prevent the tendency of liquor ferri albuminatis to gelatinize. Not only this, but if the glycerin be added to an already gelatinized solution, and the same strongly agitated, the solution will return to the liquid state.

A similar addition to other tinctures with the tendency to gelatinize, and to those containing gums (kino, benzoin, etc.), is also recommended, as it prevents their becoming muddy, and also prevents the glass stoppers from getting fast in the mouths of the containers.

Lanolin Powder.

This is prepared, according to Quaglio, by dissolving lanolin in ether, alcohol, chloroform, or acetone, mixing the solution with carbonate of magnesia, and drying up by evaporation at the ordinary temperature. The product is then finely pulverized and mixed with starch powder, equal parts. When necessary the magnesia can be replaced by zinc oxide, subnitrate of bismuth, or talc powder, according to the requirements. It is used as a dressing or sprinkling powder, and is said to be serviceable in affections of the skin.

There are said to be about 40,321 medical practitioners in Japan. The population is estimated at about 40,000,000.

The Advance in Alcohol.

The recent combination amongst distillers to advance the price of alcohol has created no small amount of grumbling amongst the wholesale and retail drug trade. The combine, which is composed of Gooderham & Worts, Toronto, Joseph E. Seagram, Waterloo, H. Walker & Sons, Walkerville, H. Corby, M. P., Belleville, have issued a circular to the trade notifying them that in future the price of alcohol will be \$3.70 per gallon, with a discount of 5 per cent. if 25 barrels are purchased during the month, and 10 per cent. if 50 barrels per month. The former price was 99c. per gallon in bond or \$3.27 duty paid, being an advance of 43c. per gallon, or nearly 19 per cent. The only reason given for the advance is that they are now obliged to keep it in bond two years as against one year under previous excise regulations, and that this costs them 10 per cent. additional. Allowing even this, and we believe the figure is about correct, the fact of an advance of 19 per cent. or thereabouts cannot be justified. No dealer buys as much as 50 bbls per month, therefore the only discount he can get is five per cent. One of the leading Toronto wholesale drug houses has issued a circular suggesting a meeting of the trade to take the matter into consideration and we trust something will be done, and that very shortly, towards meeting this unwarranted "combine."

Since the above was in type the wholesale druggists of Canada held a representative meeting August 8th, in the Board of Trade board room, Toronto. There was an excellent attendance, Mr. R. W. Elliott in the chair.

A great deal of business was transacted, dealing exclusively with questions of trade, such as credit, risks, cartage, and such matters, after dealing with which the question of the price of spirits was discussed and also the duty on spirits used exclusively for purposes of art and medicine. After discussing these matters in all their bearings the following deliverances were made:

RESOLUTIONS.

Whereas, alcohol, as a solvent or preservative of the active principles of many medicines, is an article of prime necessity in carrying on the trade which we supply; and

Whereas, it is subject to the enormous tax of 1,000 per cent. by way of customs duty if imported from abroad, or 650 per cent. by way of excise if produced at home, that is to say, that what may be bought for 33 cents in bond abroad is liable to \$3.33 customs duty or \$2.14 excise if made in Canada; and

Whereas, the regulations requiring potable spirit to be kept two years before being sold are wholly unnecessary in the case of high wines required for chemical industrial purposes, and have been used to create what is practically a monopoly, whereby existing firms are enabled to demand prices giving profits in excess of the average of other trades where competition is unfettered; and

Whereas, the direct effect of the present state of affairs has been

1. To increase the price to the sick of a large number of medicines, at a time when they can

least afford to pay a tax only intended to be collected on luxuries.

2. It has destroyed many promising chemical industries.

3. It stands as a bar against the development of many of the higher branches of technical arts and manufactures.

For which and other cogent reasons resolved, that an effort should be made to secure a supply of alcohol for use in medicine and the arts at reasonable rates in proportion to its actual cost of production.

Resolved, That Messrs. George Rutherford, John Henderson, A. B. Evans, J. W. Knox, Webb, James Douglass, with first named as convener, and with power to add to their number, be a committee to draft an agreement between drug firms willing to buy monthly specified quantities, and distillers who will supply them at equal rates for all.

Resolved, That Messrs. R. W. Elliot, John Kerry, Henry Lyman, and A. B. Evans, with first named as convener, and with power to add to their number, be a committee to represent to the Government how many lines of goods might be made from spirits paying a reasonable rate of duty, without interfering with the revenue derived from potable spirits.

Methylated Alcohol.

Methylated alcohol, which is sold only by the Inland Revenue Department, can now be obtained in iron drums of 80 to 85 gallons each, for which a charge of \$5 each is made and which may be returned at the same figure. This is done in consequence of many complaints having reached the department of shortage by leakage, etc. In future the drums will be shipped, as far as measurement is concerned at the risk of the department, and barrels at the purchaser's risk. The prices are - First grade, containing 25 per cent. naphtha, sold only to varnish manufacturers and manufacturers of chemical and mechanical products, to places west of Toronto and east of Quebec \$1.18 per gallon; east of Toronto and West of Quebec, \$1.20 per gallon. The difference in price being considered about equivalent to the difference in cost of freight. Second grade, containing 50 per cent naphtha, which is sold to every one, \$1.60 per gallon, freight payable by purchaser.

A Simple Remedy for Malaria.

We have before called attention to the use of potassium nitrate for malaria. Dr. J. D. Hunter, of New Orleans, in the *Medical World*, gives a record of 200 cases of malarial trouble in patients from childhood to old age, and in some instances complicated with other troubles; but he says nearly every case was cured with a single dose of this remedy. The dose administered was from 2 to 15 grains in a tablespoonful of water before or during the chill. If administered previous to the expected time of the chill, it in almost every instance prevented it, while when taken during the period of the chill, its severity was lessened, and in all cases the chill did not recur. Caution.—The dose of this salt should not exceed the quantity stated, 15 grains, as large doses produce distressing symptoms, and a tablespoonful of the salt would prove fatal.

"SUPERIOR NUTRITION THE LIFE"

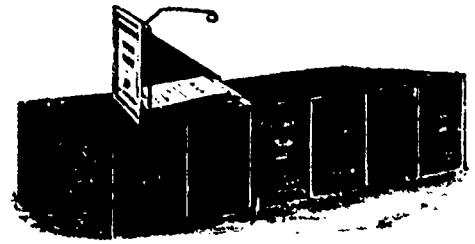
IMPERIAL GRANUM

THE GREAT MEDICINAL FOOD

THIS ORIGINAL AND WORLD-RENOUNDED DIETETIC PREPARATION IS A SUBSTANCE OF UNRIVALLED purity and medicinal worth—potent for good and powerless to harm. A solid extract, derived by a new process from very superior growths of wheat—nothing more, and as a FOOD, it would be difficult to conceive of anything more wholesome and delicious. It has justly acquired the reputation of being the savior FOR INVALIDS AND THE AGED; an incomparable growth and protection of INFANTS AND CHILDREN; a superior nutritive in continued fevers, the most nourishing and strengthening food for NURSING MOTHERS & CONVALESCENTS; and a reliable remedial agent in all diseases of the stomach and intestines.

John Carle & Sons, New York.

Every Druggist SHOULD Have Them!



ANDERSON'S PRESCRIPTION FILE.

COMPACT. COMPLETE PERFECT.

This file is made in three styles, holding from 1000 to 6000 prescriptions each, and is the only practical prescription file ever devised.

Anderson's Tablet Triturate Machine.

SIMPLE. ACCURATE. DURABLE.

Tablets can be made in from one-half to one third less time with this machine than is required with any other. Machines for making from 25 tablets up to 200.

Anderson's Double-pressure Percolator

PRACTICAL. SIMPLE. ECONOMICAL.

This Percolator is guaranteed to give satisfaction, and is suitable for making Tinctures, Fluid or Solid Extracts, Elixirs, etc. No matter what you want in the shape of a Percolator we can furnish one adapted to your wants.

For Catalogue and Price Lists of these and other Pharmaceutical Apparatus, Supplies, etc., address

Anderson Manufacturing Co.,

159 Jefferson Ave., DETROIT, MICH.

Or W. J. DYAS, Canadian Agent, Strathroy, Ont.

MERZ COMPOUND SANDALWOOD CAPSULES

E. I. SANDALWOOD,

BALSAM COPAIBA,

HAARLEM OIL,

OIL OF CASSIA AND SODA CARBONATE, C. P.

Each Capsule Containing 10 Minims.

LIST No. 17.
ELASTIC FILLED.

Size A—1 dozen in box.
" B—2 " "
" C—3 " "
" D—100 " "

LIST No. 128.
HARD FILLED.

Treatment same as in E. I. Sandalwood.

PRESCRIBED BY PHYSICIANS EVERYWHERE.

In Prescribing or Ordering Specify MERZ.

Send for Formula List of Standard and Special Formulae.

EMPTY CAPSULES all sizes, in METAL TINS of 1000, and in Boxes of 100.
Quality Guaranteed.

THE MERZ CAPSULE CO.,

Detroit, Mich.

HOLIDAY - GOODS

- FOR THE -

1890—DRUG TRADE—1891

Our travellers are now on the road with samples of Holiday Goods. Our range is much greater than ever before. Notwithstanding the late advance in customs duties, imported lines are lower than ever, and in style and finish far surpass any previous effort.

Fancy Leather, in most artistic patterns, seems to be the favorite material this season. Brush, Comb and Mirror Sets, Ladies' and Gents' Travelling and Toilet Sets, Ladies' and Gents' Cuff and Collar Sets, Handkerchief and Glove Sets, Jewel Boxes, Toilet Necessaries, Work Sets, Tablets, Music Rolls, Odor Cases, Manicure and numberless other varieties.

We are showing an extensive range of Oxidized Silver Cases in all varieties, some 50 different patterns.

French and German, fancy and plain, Cut Glass Bottles.

Fancy Basket Perfumes, our own designs, a line that will pay every druggist to handle. Allows a handsome margin of profit.

Plush is still selling and we are as usual showing all the new and saleable lines, from the home manufacturers.

N. B.—As we confine our trade almost exclusively to Druggists, we would respectfully request an inspection of our samples before placing any Holiday orders.

Smith & McGlashan Co.,

DRUGGISTS' SPECIALTIES,
53 Front St. East, - Toronto.

HICKSON, DUNCAN & CO.,

25 FRONT STREET,

SUCCESSORS TO

W. H. BLEASDELL & CO.

In calling the attention of our numerous customers to our large and varied stock of Fancy Goods, are pleased to state that we are exceptionally well prepared to fill orders in large or small quantities, and at much better value than heretofore. Buying direct from the manufacturers in Germany, France and England, we can offer special inducements in all lines of

DRUGGISTS' AND TOBACCONISTS' SUNDRIES,

Toys, Cutlery, Sporting Goods, Games, Vases, Brushes, Bique Figures, Stationery, etc.

Yours respectfully,

HICKSON, DUNCAN & CO.



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WHOLESALE OPTICIANS,

251 St. James St. - MONTREAL.

A Specialty made of Assortments
for Drug Stores.

By using their Test Cards a customer can be suited at the first attempt.

LIVE MERCHANTS. - DEAD FLIES.

IT KILLS THEM BY THE MILLION.

NEAT, - CLEAN, - ORNAMENTAL.

Does away with disgusting Fly Paper
and Plates.

—: THE:—

Daisy Fly Killer.

Cheaper than Fly Paper. Will last all season.

SELLS READILY AT 25c.

Sample sent prepaid on receipt of 20c.

SOLE AGENTS FOR CANADA,

J. PALMER & SON

1745 Notre Dame, Montreal.

Thousands of Testimonials equal to the
following:

New York Herald, Aug. 19th, 1888.

"It's a daisy. Each one of the pretty ornaments will kill flies by the million."

Joy & Gardner, Minneapolis, say:

"It is the neatest, cleanest and most effectual fly exterminator we have ever seen."

R. BRAYLEY,

Wrapping Papers,
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Tags, Commercial Stationery, Blank Books, Sea Island Twine, Boudoir Paper, Comb Bags, Tooth Brush Bags, Seidlitz Powder Boxes, White D. D. Paper, D. Blue Paper, etc., etc.

Printing at lowest prices.

14 Front St. West, - TORONTO.

THE GREAT EUROPEAN DYE



Unsurpassed for Richness and Beauty of Coloring.

They are the ONLY DYES that

WILL NOT WASH OUT!

WILL NOT FADE OUT!

There is nothing like them for Strength, Coloring or Fastness.

ONE Package EQUALS TWO of any other Dye in the market.

If you doubt it, try it! Your money will be refunded if you are not convinced after a trial. Fifty-four colors are made in Turkish Dyes, embracing all new shades, and others are added as soon as they become fashionable. They are warranted to give more goods and do it better than any other Dyes.

Same Price as inferior Dye, 10 cts.

Canada Branch: 451 St. Paul Street, Montreal.

Send postal for Sample Card and Book of Instructions

NEW GOODS.

LYMAN BROS. & CO.

WHOLESALE DRUGGISTS,

TORONTO, - ONT.

Fruit Jar Rings,
Bed Pans,
Drug Mills,
Tincture Presses,
Lee's Metallic Splints,
Omega Enemas,
S. E. Stockings, &c.,
India Ink,
Lambswool $\frac{1}{2}$ and $\frac{1}{4}$ packets,
Shell Castile Soap, small, medium and large cakes,
Lubins' Perfumes,
Atkinson's Perfumes,
Ross' Depilatory,
Art of Dispensing,
Martindale's Extra Pharmacopoeia,
Aristol,
Iodol,
Solazzi Juice,
Pignitella Juice,
Grasso Juice.

Chloride Gold and Sodium, 15 grs. each,
\$4.00 dozen.

SPECIALTIES:

Nitrate Silver, Ether, Chloroform,
Beef, Wine and Iron.

ANTISEPTIC ZIMOCA SPONGES,

Carbolized and Sublimatized,

1 doz. in a bottle, at \$7.00 doz. bottles.

LYMAN'S FLY PAPER,

The oldest and most reliable Fly Killer in
the market.

"CLOSED FLOWERS ONLY."

Insect Powder a specialty. Send for
quotations. Lower prices.

Good Assortment SPONGES in Stock.

A large shipment, immense variety, expected shortly.

We are continually adding to our list
of S. C. Pills, Tablets, Triturates and
Hypodermic Tablets.

TRADE NOTES.

F. G. Turner, Millbrook, is dead.

C. C. Atkin, doctor, Caledonia, N. S., has assigned.

W. A. Telfer, Collingwood, has sold out to W. J. Douglass.

W. H. Chapman, Cote St. Antoine, Q., has been burned out.

H. F. Jackson's Cote St. Antoine, Que., stock has been damaged by fire.

F. G. Turner, druggist, of Millbrook, Ont., died early in this month.

A movement is on foot to establish a University in British Columbia.

The London Medical Dispensing Co., London, have gone out of business.

Laing & Fleming, Windsor, Ont., are opening a branch store at the east end of the town.

I. F. Roberts, of Seaforth, has bought the business of the late John Seoon, of Parkhill.

F. Sanderson, of St. Marys, has succeeded Mr. Batchelor as head clerk for S. Tapscott.

Dr. Niddrie & Co., Millbrook, have bought out the practice and drug business of Dr. Ough.

M. Banks, formerly of Winnipeg and late of Miami, has opened a drug store at Carman, Man.

J. R. Bond, of Weston, has bought out W. E. Galley, corner Carlton and Blecker streets, Toronto.

Incorporation is being asked for the Vancouver Loan, Savings and Trust Co., limited, capital \$500,000.

J. G. Whitfield, formerly with Kerry, Watson & Co., of Montreal, has opened a business in North Toronto.

J. A. Gibbons & Co., Toronto, are introducing Gibbons' Toothache Gum in the United States, with manufactory in Buffalo.

F. R. Currie, of Minden, had his drug store burned down on the 3rd inst., along with four others. He was partially insured.

B. Batchelor, who has been with S. Tapscott, of Brantford, for twelve years, has purchased the drug business of Dr. S. Harrison in the east end of Brantford, and took possession Aug. 1st.

A prominent wholesale drug house has resorted to the expedient of giving a picture which they value at fifty cents to all purchases up to a certain amount of some of their preparations. Goods should sell themselves.

The estate of R. A. Nisbet, Halifax, is being wound up by his brother, who is a grocer of the same town. It is understood that the creditors will obtain 100 cents on the dollar. It will be remembered that Mr. Nisbet died a few weeks ago. It has been rumored that a clerk of Mr. Nisbet's has bought the stock and intends to run the business on the old successful lines.

A syndicate of Montreal and Halifax capitalists has been formed for the purpose of buying out Minard's Liniment from the present proprietors, Messrs. C. C. Richards & Co., Yarmouth. The negotiations are broken off for the present owing to differences in valuation of plant, etc. Since the proprietorship of the above firm in this valuable medicine, they have extended their business all through the Dominion and Newfoundland. We understand the price offered is about \$75,000 which was refused.

Outings.

No one perhaps can thoroughly enjoy an outing more than the druggist, and no one needs it more. A total and complete change and rest from the anxiety and responsibility of a business requiring close individual attention will do far more if indulged in these annual outings for the prolongation and enjoyment of health, than the waiting for the "good time to come" when we may retire from active business and rest on our oars, but which time to many of us never comes. Amongst the many fittings of our busy brother druggists we note the following:

Dr. Higinbotham, Brantford, will holiday at Rice Lake.

T. I. McIntyre, of Lyman Bros. & Co., is at Beaumaris, Muskoka.

G. K. C. McGregor, Toronto, is fishing in Hamilton and vicinity.

J. W. McLaren, Chatham, will spend his holidays at Lake Simcoe.

Fred Scott, of T. Scott & Son, Woodstock, took in the Mackinac trip.

A. B. Petrie, Guelph, will spend his holidays on his island in Muskoka.

G. W. Lillie, of Lyman Bros. & Co., will holiday at Windermere, Muskoka.

John Henderson, of Lyman Bros. & Co., is summering at his cottage on the Island.

L. Lawrence, of London, is spending a few days in Toronto prior to Council meeting.

J. R. Seymour, St. Catharines, spent his holidays at the Masonic Grand Lodge, Kingston.

W. G. Smith, Guelph, is taking his holidays at the Methodist General Conference, Montreal.

T. S. Petrie, Guelph, has gone to the Pacific Coast for his health. John Fessant is running his store.

A. Campbell, of A. Wilson & Co., is renewing old acquaintanceships in Toronto, Owen Sound and London.

Mr. Henry Lyman, with his sons, H. H. and Roswell Lyman, are on a pleasure trip to the Pacific Coast.

C. K. McGregor, Brantford, W. Parke, Hamilton, and P. C. Blaicher, with their wives will take in the St. Lawrence trip.

James White, Woodstock, W. W. Greenwood, Saint Catharines, C. D. Daniel, Toronto, are at Grimsby Park.

W. A. Houston, of Thos. Leeming & Co., is on a business trip to British Columbia. Archdale Wilson, Hamilton, has also gone to British Columbia. Business and pleasure.

The Pharmacopœia Addendum.

List of 32 articles recommended by the Pharmacopœia Committee to be included in the Addendum (1890) to the British Pharmacopœia, 1885.

Acetum ipecacuanha.
Adeps lane (lanolin).
Emplastrum menthol.
Eucalypti gummi.
Euoymus atropurpureus,
a preparation of.
Extractum hamamelidis liquidum.
Extractum hydrastis liquidum.
Ferri subchloridum,
preparations of.
Hamamelis virginica.
Homatropine hydrobromas.
Hydrastis canadensis.
Liquor cocaine hydrochloratis.¹
Liquor morphine sulphatis.
Liquor trinitrine, 1 per cent.
Magnesii sulphas effervescens.
Mistura olei ricini.
Oleum cadinum.
Paraldehydum.
Phenylon (antipyrin).
Plula ferri (Blaud).²
Picrotoxinum.
Saccharinum.
Sodii benzoas.
Sodii nitris.
Sodii phosphas effervescens.
Sodii sulphas effervescens.
Stramonii folia.
Strophanthi hispidi semina.
Sulphonal.
Suppositoria glycerini.
Tinctura hamamelidis.
Tinctura hydrastis.
Tinctura strophanthi.
Trochisci sulphuris.
Unguentum conii.
Unguentum hamamelidis.

1 Ten per cent.; in water saturated by salicylic acid.

2 An alternative to Pilula ferri carbonatis, B.P., 1885.

It should be added that the report of the committee on the subject of the Addendum has been approved by the Medical Council. - *British and Colonial Druggist*.

Rivalry, open, fair, good natured and enterprising, is the life of business.

A druggist who expects to run his business without a good supply of text books and drug journals, is like a carpenter who tries to build a house without tools.

A miraculous stomachic powder, according to a French physician, is a teaspoonful of bicarbonate of soda given before each meal. This relieves the intense pain and vomiting after food which gastralgic patients suffer.

FORMULÆ.

LINSEED LOZENGES.

Take of

Linseed oil.....	1 dram.
Syrup of marshmallow.....	4 ozs.
Pulv. trag.....	2 drms.
Boiling water.....	1 oz.
Powd. sugar.....	ʒ. ss.

To form a thick paste.

LAXATIVE ELECTUARY FOR CHILDREN.

In the habitual constipation of children Dr. Ferrand recommends the following :

Manna.....	25 parts
Calcined magnesia.....	50 "
Flowers of sulphur.....	50 "
Honey.....	120 "

Make into an electuary.

One or two teaspoonfuls to be given in a cup of cold milk.

CHRYSOPHANIC OINTMENT.—Kossobudski recommends, say Boehringer and Solmo in their report just to hand, the employment of chrysophanic acid as a remedy against hæmorrhoids. It should be used in the form of an ointment, and rubbed in several times after previous washing with a 1.5 per cent. solution of carbolic acid. The prescription is as follows :

Chrysophanic acid.....	0.80
Iodoform.....	0.30
Extract belladonna.....	0.60
Vaseline.....	25.00

PURGATIVE COFFEE.—The Italian pharmacist, Griggi, publishes the following in the *Orosi* :

Magnesium sulphate.....	100 parts
Mannite.....	60 "
Senna leaves.....	35 "
Roasted coffee.....	30 "
Jalap.....	3 "
Oleosaccharate of anise.....	2 "

Mix. The dose for an adult is about 6 drams. When required for use put the mixture in a vessel, pour over it about 5 ounces of boiling water, and let infuse for fifteen minutes. Decant and administer warm or cold, as desired by patient.

EAU DE QUININE FOR HAIR WASH.

Quin. sulph.....	6 grs.
Canthar. acet.....	2 drs.
Glycerin.....	4 drs.
Aq. rosmar. or mellis ad.....	8 oz.
Liq. cocci.....	ʒ. ss.

Dissolve quinine in acet. cantharidis : add the other ingredients, and filter.—*Chem. and Drug.*

EGG SHAMPOO.

Ovi.....	3
Sap. mollis.....	½ oz.
Pot. carb.....	2 drs.
Liq. ammon.....	3 drs.
Aq. rose.....	28 oz.
Spt. vin. rect.....	1½ oz.
Ol. bergam.....	½ dr.
Ol. amygdal. ess.....	gtt. x.
Ol. geran. gall.....	gtt. x.

Sec. artem.

POLISH FOR FINGER NAILS.

Peroxide of tin (putty powder).....	5 ozs.
Tragacanth, in powder.....	6 grs.
Glycerin.....	4 drs.
Rose water.....	sufficient.

Mix and make into a paste. Color with ammoniacal carmine solution.

VASELINE CREAM.

Take of

Vaseline.....	24 ozs.
White wax.....	12 "
Spermaceti.....	12 "
Glycerin.....	3 "
Oil rose geranium.....	1 dram.

Melt the wax and spermaceti over a water bath, add the vaseline, stir until nearly cold ; then add the glycerin and oil.

EAR ACHE.—Take five parts of camphorated chloral, thirty parts of glycerin, and ten parts of the oil of sweet almonds. A piece of cotton is saturated and introduced well into the ear, and it is also rubbed behind the ear.

GINGERETTE.—A popular beverage which (*Nat. Bottler's Gazette*) is prepared as follows :

Simple syrup.....	½ gal.
Acid solution.....	2½ fl. ozs.
Soluble essence of ginger.....	1½ fl. ozs.
Soluble essence of lemon.....	2 fl. drs.
Essence of vanilla.....	3 fl. drs.
Essence of capsicum.....	20 drops
Caramel, or coloring.....	1 fl. oz.

To one quart of syrup add the solution and all the essences and coloring, well mix by agitation ; add remaining quart of syrup, and shake well together, and if necessary pass through flannel bag, when it is ready for boiling. Color, deep sherry.

GOLD, SILVER, AND COPPER INK.

Take of

Honey.....	1 dram.
Spirit of wine.....	1 dram.
Mucilage.....	1 oz.
Water.....	8 ozs.
Bronze.....	1 oz.

Rub the honey, spirit and mucilage together in a mortar, then add the water. To be shaken before using.

Laboratory Notes.

BY D. L. HAIGH, PH. C.

THE use of the various colored glass containers is gradually becoming less as their true usefulness or worthlessness is understood. The old idea of blue glass and other highly colored ware protecting preparations has been exploded, and as this is more generally understood the less call there will be for them. It is known that the actinic or chemical light rays are the ones that cause the decomposition of chemicals, and only those varieties of colored glass that shut out these rays are fit to be used. Blue glass, purple glass, green glass do not do this ; hence they are worthless for preventing chemical decomposition from this source. Amber glass does shut out the actinic rays, and should be used to protect all chemicals from their action.

THE number of articles affected by the actinic rays of light is small comparatively speaking. The use of colored bottles has been largely for the purpose of hiding ignorance and not shutting out actinic rays. Poor preparations look better in dark blue bottles, for they cannot be seen. In such instances blue bottles are great

preservatives. With unscrupulous manufacturers this ware became very popular and the qualities of blue glass protected both ignorance and fraud in these cases. The legitimate use of colored bottles is not to be discountenanced, as it is necessary to the preservation of certain chemicals and pharmaceuticals ; but in such cases amber glass is to be used, and in no instance blue glass.

THE mercury salts are among the most important of the substances effected by actinic light. The conversion of the mercurous, or non-poisonous, to the mercuric or poisonous salts, is likely to be attended with fatal results, when the change has been sufficiently great. Calomel, therefore, should be kept in amber bottles away from light to prevent its being converted into the poisonous corrosive chloride.

Syrup of iodide iron furnishes a good example of the fallacy of the use of colored bottles. Many druggists, I may say the great majority of druggists, place this syrup in colored bottles, and then place the bottles in a dark corner. The Pharmacopœia directs that this syrup shall be placed in small vials, completely filled and left accessible to light. When syrup of iodide iron is exposed to contact with the air it is oxydized, for this reason it is advisable to keep it in small bottles in cases where the bottle is to be opened frequently.

FLUID EXTRACTS.—Most, if not all, of the fluid extracts should be kept in amber colored bottles. In some instances this is to shut out the actinic rays of light, but in the majority of cases it is to hide ignorance, not in the case of the manufacturer this time, but with the pharmacist. It is well known that organic substances, or solutions of them, will deposit by age more or less precipitates, trifling in most instances, and of no importance medicinally, as shown by Dr. Wall in a paper read before the Missouri State Pharmaceutical Association, 1888. Yet the druggist will not make allowance for such things, and the amber bottle is the only cure.—*Meyers' Bros. Druggist.*

Substitute for Gum Arabic.

M. Trojanowski, a Polish chemist, has discovered what he claims to be a substitute for gum arabic, by boiling one part of flaxseed with eight parts of dilute sulphuric acid in eight parts of water until the mixture, which at first thickens, becomes quite fluid. The compound is then strained through muslin and four times its volume of strong alcohol is added. The precipitate, after being filtered, washed with alcohol and carefully dried, produces a clear gum devoid of all taste or odor. Thirty grains, it is said, are a sufficient emulsion for an ounce of cod liver oil. The value of this invention will, of course, depend on how far this new article can be relied on as a substitute for the original, and the cost at which it can be produced for the market.—*Confectioners' Journal.*

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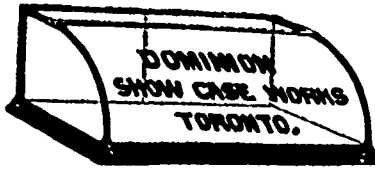
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"HAVANA PEARL,"

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"BABY PEARL,"

These lines always have, and are giving perfect satisfaction. No stock complete without them.

Prices, quality considered, below any factory in Canada. A \$35 Cigar for \$30. A \$75 Cigar for \$60.

We hope, by straight forward dealing, giving best value, to merit a continuance of our rapidly increasing patronage of the Drug Trade of Canada.

Please mention this paper when ordering.

PAYNE BROS. & MACFARLANE,

GRANBY, QUE.

Canadian Druggist

WM. J. DYAS, EDITOR AND PUBLISHER.

AUGUST 15th, 1890.

OWING to fears on the part of American importers that the McKinley Bill will pass the American Congress—in which case there would be an increase of duty on brushes—the orders received in Europe from the United States during the last few months are so heavy that it is impossible to buy from any large maker and obtain delivery inside of six months. This fact, coupled with the high price of bristles, which shows no signs of abatement, makes brushes very stiff with every prospect of their going higher before the fall is over.

A VERY serious strike is in progress amongst the German scissor grinders. It has been customary in this trade for the masters and workmen to appoint representatives to a board of arbitration, whose duty it has been to settle all disputes. One rule of this board was that in order to be admitted into the union a manufacturer was first compelled to pay into their fund a sum of money equal to all the shortages in wages according to their present scale that he had ever paid his employees. A large firm was lately admitted by the masters without a strict adherence to this rule, the firm in question never having belonged to the union, and refusing to join it if compelled to pay what to them would have been a very large sum of money. The workmen's representatives immediately clamored for the application of the arbitrary rule and being refused their demand, ordered the workmen to strike. From present appearances the struggle will last for months. This will make scissors very scarce this fall. E. Heuser & Co., the Canadian representatives of Boker's razors, who do a large scissors trade, are advising their customers that they will have no scissors to offer them until 1891. Sheffield will probably supply the demand to a certain extent, but the prices will of course rule higher.

A New Line of Fancy Goods.

It is just about impossible these days to have brought before one a large variety of any style of article that has never been seen before. When a manufacturer first thinks of something different from what is at present being sold, he is naturally anxious to feel his way with it and places one or two varieties on the market to see whether or not the public will take to it. Nor has he the ideas in his brain which afterwards appear as he thinks more about the capabilities of the line. Many novelties are bought by a retailer one season and never again. The style is not wanted, or the price may be too high. At any rate nothing short of sacrifice will work it off. For a year or two we have been watching horn goods with consider-

able interest. It has always been our opinion that when well finished and properly put together they filled the bill in usefulness and ornamentality. The wholesalers tell us they have been trying the goods, some for one and some for two years, and that they now think they are going to be for some time at least a staple in fancy goods. The first object of the dealer should be to obtain strong and serviceable goods that will be of no doubtful use to the consumer. Before long they will be adapted to a great many styles not yet thought of. So far we have seen whisk holders, duster holders, shaving sets, perfume stands, ink bottles, hat pegs, album stands, &c.

Chattel Mortgages.

On a previous occasion we have given our opinion of bills of sale, chattel mortgages, and such other preferential liens as are given by store keepers to wholesalers and money lenders. We have tried to warn our friends against this signing of their commercial death warrant in favor of some one whose respect for them is in inverse proportion to their dependence, and who would not hesitate to order their friend, the Bailiff, to see that the extreme penalty of the law is applied simply because times being dull the unfortunate victim of their glib tongues is now unable to meet his engagements. We prefer not to mention the names of those druggists who have been so foolish as to fall into the trap, for sometimes we are misinformed, and then the injustice is very great; but could we depend upon the lists we receive with absolute certainty we would certainly publish them, hoping thereby to deter at least those of our readers who are sensible enough to know that a publication of the fact would ruin their prospects in buying. We have been astonished the last few months to see the number of druggists whose names are found in this list—astonished, but we regard the druggists of Canada, having received the very liberal education that the Government imposes upon them, as an exceptional class of tradesmen—men who should have common sense and backbone enough to refuse to jeopardise their life chances for the simple gratification of a money lender's greed. Better to start in a small way and struggle up with the stamp of independence on one's brow than to make a big bluster to the world for a time and eventually fall a prey to this cankerous disease.

Liquid Ammonia.

THE CAUSE OF THE SUDDEN ADVANCE IN PRICE.

The wholesale price of concentrated liquid ammonia has recently advanced from 5½c a pound to 9c, and at this writing it is extremely difficult to get enough to supply the demand even at that price, says the *Scientific American* of last week. The immediate cause of this great advance in price is due to the unexpectedly large orders from the manu-

facturers of artificial ice which have been received during the last few weeks.

The ammonia which is used in ice making is obtained from what is known as gas liquor, and is produced in the process of carbonization of coal in gas manufacturing. At this season of the year only about 40 per cent. of the amount of gas liquor is to be had which is available in the winter season, owing to the decreased consumption of gas in summer. The laws of several states require gas companies to remove the ammonia from their product as it greatly improves its quality, but it has only been within recent years that the element thus obtained has been utilized for the production of refined ammonia, which is now in such great demand that manufacturers find themselves totally unable to supply it. Still another cause exists for the scarcity of ammonia and that is the changing of a large number of companies from the carbonization of coal in the production of illuminating gas to the making of what is known as water gas. In the latter process no ammoniacal liquor is produced, and thus a productive source of supply of the raw material for the manufacture of concentrated ammonia has been entirely cut off.

Very ingenious machinery is used in extracting the ammoniacal liquor from the gas, and the former is then disposed of to chemical companies, who subject it to a special course of treatment to prepare it for general use.

Sulphate of ammonia is produced by the carbonization of bone and animal matter, but this product is generally employed as a fertilizer. Aqua ammonia has been made from the salt, but not to any great extent, and it so happens that the supply of the sulphate is short, even in foreign lands, where manufacturers have vainly attempted to supply themselves with the much coveted article. Ammonia, also familiarly known as hartshorn, is said to be one of the few substances known to the chemistry of the ancients, being referred to by Pliny under the name of vehement odor, which he evolved by mixing lime with nitrum or what was probably sal ammoniac. The name ammonia was given in ancient times because of the fact that sal ammoniac was originally obtained by heating camel's dung in Libya near the temple of Jupiter Ammon.

Ice manufacturers say that some other source of supply must be found for crude ammonia, as the demand from the producers of artificial ice will greatly increase. It is said that ammonia can be obtained in large quantities from shale, which is a kind of slate found in Pennsylvania, specimens of which are sometimes found mixed with coal. It is claimed, however, by those who are usually depended upon to supply concentrated ammonia that with a winter supply of gas they will have little difficulty in meeting the demand, which is wholly phenomenal at this time, owing to the large number of ice-making machines which have recently been set up.

It reported the behavior and examination results very gratifying. The call for subscriptions for the Library had brought in \$326, and the College was asked for \$150 more. \$250 were also wanted for microscopes, scales, repairs, etc.

Moved by Mr. Jeffery, seconded by Mr. Watters, that the Education Report be adopted with the exception of clauses calling for money, and that they be referred to Committee.

The Examiner's Report read the day before was also adopted, with the addition of a clause granting W. B. Montgomery his diploma on a re-reading of his papers.

Mr. Hall asked Registrar Lewis if the Council were to understand from what he had said the day before that he will leave next February unless his salary be raised to \$1000.

Mr. Lewis replied that he stuck to what he had said: he was not going to do a man's work for a boy's pay.

The President asked Prof. Shuttleworth about the time to be devoted to Botany.

As the Prof. had supposed the day before, there had been no intention of shortening it.

The President then read a letter from Mr. Sneath, Examiner in Botany, answering questions as to what he thought of the instruction given here. Mr. Sneath considered that the time given to Botany must not be curtailed, that though the students showed a knowledge of the scientific part of the subject, the elements seemed to have been neglected.

Dr. Avison explained that it was impossible to make practical botanists unless the Session be held in summer. Other schools, said Mr. Petrie, made botanists in winter time, out door classes being held in summer. Dr. Avison thought that without these summer classes, or access to conservatories, Botany could not be practically taught.

Moved by Mr. Watters, seconded by Mr. D'Avignon, that this matter be referred to the Educational Committee.

The Council then adjourned.

THIRD DAY.

On Thursday, Aug. 7th, the Council assembled at 11 a.m.

Mr. Slaven gave notice of a motion to reduce the fee for replacing a lost diploma from \$5 to \$2.

Moved by Mr. Slaven, seconded by Mr. Petrie, that the President be appointed delegate to attend convention to be held at Old Pt. Comfort, Va. Carried.

A resolution that examiners' questions shall be sent to the Chairman under seal, was carried. Copies of this motion are to be sent to the different examiners.

Moved by Mr. Hall, seconded by Mr. Watters, that negotiations be opened between this College and the Pharmaceutical Association of Quebec regarding reciprocity of diplomas.

Mr. Petrie opposed this, thinking that Montreal graduates would overrun Ontario. Mr. Hobart said that offers of this kind had been refused before by Quebec. Members were at variance as to

whether the proposal ought to come from Ontario. The motion was finally carried.

A Special Commission then went into committee on By-law 10 re-dividing the Province into thirteen districts for the election of Members of Council, Mr. Slaven in the chair. The following is the report:

ELECTORAL TERRITORIAL DIVISIONS.

No. 1—Glengary, Prescott, Stormont, Russell, Dundas, Carleton, Grenville, Lanark and Renfrew.

No. 2—Leeds, Frontenac, Addington, Lennox, Prince Edward and Hastings.

No. 3—Northumberland, Peterborough, Durham, Victoria and Ontario.

No. 4—following Wards in Toronto: St. George's, St. Lawrence, St. John's, St. James', St. Thomas', St. David's, and St. Matthew's.

No. 5—Following Wards: St. Paul's, St. Patrick's, St. Stephen's, St. Mark's, and St. Alban's.

No. 6—Simcoe, York (except Toronto), Haliburton, Districts of Algoma, Parry Sound, Muskoka, Thunder Bay, Nipissing, and Rainy River.

No. 7—Peel, Wellington, Halton, and Dufferin.

No. 8—Wentworth, Lincoln, and Welland.

No. 9—Haldimand, Brant, and Waterloo.

No. 10—Norfolk, Oxford, and Perth.

No. 11—Elgin and Middlesex.

No. 12—Huron, Grey, and Bruce.

No. 13—Lambton, Kent, and Essex.

Election to take place first Wednesday in July every 2nd year. Voters must be members of College and not in default in respect to fees. Council to consist of 13 members.

After an hour's debate By-law No. 10 was adopted.

EXECUTIVE AND FINANCE COMMITTEE'S REPORT.

Accounts, Globe Printing Co.	\$13 50
.. Fiddes & Hogarth.....	13 50
.. Monetary Times.....	125 75
.. Elias Rogers	1 50
.. Edgar & Malone.....	180 00

Total \$431 25

Recommended that above be adopted.

Recommended that the Registrar-Treasurer do communicate with the Editor of the Pharmaceutical Journal that in future he be requested not to interlard in the reading matter of the Journal patent medicine and other advertisements.

That the President, Vice-President, A. B. Petrie and A. Jeffrey be a committee to have plans prepared and estimates received for extension of the College building, the same to be laid before the Council for approval or otherwise at its next Feb'y meeting.

That \$300 be placed at the disposal of the Infringement Committee to enable them to carry out their recommendation regarding employment of a salaried detective.

That \$400 be placed to credit of Education Committee for the purpose of carrying out their recommendations.

That \$1,000 be placed to the credit of the College in the Freehold Loan and Savings Co.

J. W. SLAVEN, Chairman.

Infringement Committee decided that the costs incurred without authority in the Napanee case were not to be borne by the College.

The next proceeding was more startling.

Mr. McGregor moved, seconded by Mr. McKee, that the engagements of Prof. Shuttleworth and Dr. Avison should terminate at the end of 12 months.

Mr. McGregor said that in this movement, without giving further reasons, he believed he was carrying out the wishes of at least three-fourths of the Council.

Mr. D'Avignon said some intelligible reason ought to be given for the dismissal of the professors, and asked, "Is it because you think you can get cheaper labor than theirs?"

Mr. McGregor not replying to this, Mr. Slaven rose and said that for some time there had been friction between the Professors and the Council, and what he must call obstinacy on the part of the former. The Council felt that they were the employers, and those they employed ought to conform to their wishes in everything.

Mr. D'Avignon said the dismissal was a very serious step, one that would seriously hurt the College, and that new instructors so efficient as the old could not be obtained. The sympathy which would be felt by several members for the old would prejudice them against new Professors, if nothing else did.

The motion was put to the vote, the eight members voting in support of it were: Messrs. Clark, Hall, Slaven, Petrie, McKee, McGregor, Hobart and McKenzie. Those voting against it were: Messrs. D'Avignon, Jeffery, Lawrence and Watters.

Thereupon Mr. D'Avignon resigned his seat in the Council, an example immediately followed by Mr. Jeffery.

The afternoon session began by reading the letters of resignation sent in by these two gentlemen.

The Report of By-laws and Legislation Committee was next adopted. The report consisted chiefly of decisions concerning the registration of apprentices, etc., and provided for the supplying of the Pharmaceutical Journal to medical men at no charge outside their registration fees.

Mr. Lawrence moved, Mr. Petrie seconded, the addition of \$1,000 to the former \$2,000 insurance on the fittings of the College. Carried unanimously.

The next movement proposed by Mr. Petrie, seconded by Mr. Hobart, appointed a committee to receive and examine applications for the positions vacated by the two Professors.

The Council then broke up to re-assemble next morning.

FOURTH DAY.

On Friday, Aug. 8th, the first movement was by Mr. McKee, seconded by Mr. Hobart, nominating Mr. C. D. Daniel, of Toronto, to fill Mr. Jeffery's empty seat in the Council. The President being willing to cast his ballot in this way, Mr. Daniel was elected.

As to Mr. D'Avignon's place, Mr. McGregor moved, Mr. Lawrence seconded, that it should be offered to Mr. John S. Roberts, of Seaforth.

The changes in the Council gave the members a good deal of extra work in the way of filling up satisfactorily the places on the different Committees.

Mr. Daniel, the newly elected member arrived, took his seat amid applause, and at once found his services in demand among the Committee men.

In the afternoon a telegraphic reply ar-

rived from Mr. Roberts, Seaforth, declining, on the plea of other business, the seat offered him. Thereupon Mr. R. M. Thurtell, of Teeswater, whose section of the Province is unrepresented, was nominated to take Mr. D'Avignon's place in the Council.

In the question concerning Botany, referred to the Educational Committee, it was settled that next term this subject and *Materia Medica* should occupy the same amount of time as set down in the 1889 announcement. Microscopy will be treated separately and lectured upon once a week.

Notice was given that at the next semi-annual meeting Mr. Watters, seconded by Mr. Daniel, will move that the salary of Registrar Lewis be increased to \$1,000 per annum.

This ended the business of the session. The Council will meet next at 2.30 p.m. on the first Tuesday in February, 1891.

Prospects of the Opium Crop.

Messrs. E. J. Lavino & Co., Philadelphia and Smyrna, under date of July 15, have issued the following circular to the trade:

Smyrna writes under date of the 28th of June: "Reports reached us that the appearance of the poppy plants in the districts of Karahissar, Aksheir, and Konieh was discouraging, and the agents here of the principal native operators of Aksheir got orders to buy on the Smyrna market on speculation.

"It seems now almost positive that 4,000 baskets is a high estimate for the total yield of the opium crop of Turkey. The district of Guneh gives us an illustration of the damage caused by the continuous drouth in some parts of the country. That district will yield, in an abundant year, about 100 baskets, or 40 to 50 baskets in any ordinary year; the estimates a month ago were 15 baskets, provided rain would fall before gathering time. The amount gathered has been 3 baskets:

"No doubt the outlook is not bad in the other districts of the high plateaux, for some had rain, but not in sufficient quantity, and first estimates have to be daily greatly curtailed. The districts raising high-grade opium seemed to have fared best, as Malatia, Tokat, Baloukissar, will yield as much as in 1889, i. e., an average crop. Everywhere else in Anatolia the shortage is considerable, and with the data now in hand everything points towards a crop of less than 4,000 baskets, equal to about 3,500 cases. The Salonica crop is all gathered and has given about 1,100 baskets; Malatia, Tokat, etc., will yield about 500 baskets; the other high grades, such Boghaditch, Baloukissar, etc., about 500 baskets more, or 2,100 baskets of rich grades of opium all told. This will leave only about 1,900 baskets, or 1,700 cases of the ordinary kinds."

Naregamia alata, in the form of tincture, is a new expectorant, apparently possessing some peculiar advantages.

Frozen or Solid Perfumes.

Some of your readers would, no doubt, like to know how to make the latest "startling novelty," the frozen or solid perfume.

The following are my own original forms, and I will back them against any in the market.

In the first place the solid perfume is merely perfumed hard paraffin. The hard paraffin is melted and perfumed at as low a temperature as possible, and for a model I use the lids of two drachm clip boxes.

To make

WHITE ROSE SOLID PERFUME.

Take of

- Oil of geranium 1/2 drm.
- Oil of bergamotte 1/2 drm.
- Oil of patchouli 5 minims.

From one to five drops to each block may be used according to the moderation or extravagance of the manufacturer.

LAVENDER SOLID PERFUME.

Take of

- Oil of lavender 2 ozs.
- Essence of bergamotte 1 oz.
- Oil of cassia 5 minims.
- Oil of geranium 40 "
- Oil of orange 5 "

Mix, and perfume the wax as before

BOUQUET SOLID PERFUME.

Take of

- Oil of coriander 15 minims.
- Oil of cloves 2 drms.
- Oil of nutmeg 1 "
- Oil of lavender 3 "
- Oil of sandal 1 "
- Oil of bergamotte 1 oz.
- Otto of rose 1/2 drm.
- Oil of geranium 1/2 drm.
- Oil of orange 10 minims.

Mix.

COLOGNE SOLID PERFUME.

Take of

- Essence of bergamotte 1 oz.
- Essence of lemon 1 oz.
- Oil of citronella 1/2 oz.
- Oil of neroli 1/2 oz.
- Oil of rosemary 80 minims.
- Oil of geranium 10 minims.

Mix.

-Zidiz in Brit. & Col. Druggist.

A DEATH is reported from New York as having followed two fifteen-grain doses of sulphonal, administered at an interval of eighty minutes. The immediate cause of death was apnea, which supervened forty hours after the first dose.

Kola nut has been found to check sea sickness.

Remember that a "want" book is of no value unless used.

Goods conveniently located save time, money and temper in showing.

Powdered camphor can be kept in the pulverent form by the addition of one-half per cent. of paraffin oil.

Remember that it is never safe to manufacture a preparation from memory. All ways have the formula before you.



LIFE,
GROWTH
—AND—
BEAUTY
FOR THE HAIR

**LUBY'S
PARISIAN
HAIR RENEWER**

AS a dressing for Ladies' and Gentlemen's Hair, it has no equal.

Strengthens weak hair,
Checks its falling out,
Allays irritation of the scalp,
Removes all traces of Dandruff,
Restores gray and faded hair,
Keeps the head clean and cool.

—AND—
IS NOT A DYE.

Sold by all Chemists and Perfumers.
Large Bottles, 50 Cents each.

General Agent for the Dominion,
R. J. DEVINS,
No. 4, St. James St., Court House Square,
MONTREAL.



**A GREAT
Scientific
Revelation.**

The microbes or germinal cause of all disease can now be effectively destroyed and removed from the system.

**Cases of Consumption, Scrofula,
Catarrh, Rheumatism, Syphilis,
Eczema, Bright's Disease,
Stomach Troubles,
Tumors, Etc.,**

Cured by the thousands during the past four years.

This remedy has proven a very successful as well as a remunerative line to handle by "Retail Druggists."

While the sale may be slow the first two months, owing to the greater price charged for it, yet in time it actually becomes a "leader" because of its merits.

Druggists all over the United States and in England are finding it a splendid medicine to handle, one of which no complaints are made against by the purchaser.

It really draws trade to one who handles it, especially where we give exclusive agencies for it.

It is a remedy which can be guaranteed by the "seller" to do all we claim for it.

We want an exclusive Agent in every town in Canada.

Write for Pamphlets and Prices.

Wm. Radam Microbe Killer Co.,
(LIMITED)

LABORATORY } 120 King St. West,
AND OFFICE } TORONTO, ONT.

Sole Manufacturers for the Dominion.
C. W. EMAN, General Manager.

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(ESTABLISHED 1855—35 YEARS.)

**Manufacturing Pharmacists,
DETROIT, MICHIGAN, U. S. A.**

WINDSOR, ONT. SAN FRANCISCO, CAL.
NEW YORK CITY.

We offer to the trade full lines of the following standard Pharmaceutical Products of our own manufacture, as well as many specialties not easily classed under any of the general heads, but which are fully described in our Price Lists and Catalogues, any of which will be mailed postpaid on application:

PILLS AND GRANULES

Sugar, Gelatin and Pearl Coated. Tinted Granules. In bulk or boxed, with buyer's name.

FLUID EXTRACTS,

Elixirs, Wines, Tinctures, Solutions, Ointments, Cerates.

Syrups—Medicinal and Medicated.

Concentrated Liquors for Extemporaneous Use.

DIGESTIVE FERMENTS,

Pepsin Pure, Saccharated, Lactinated; Pancreatin Pure and Saccharated.

LOZENGES, MENTHOL PENCILS AND INHALERS.

SAXOLINE,

Plain, Perfumed, Medicated; Its Preparations and combinations.

CASCARA SAGRADA,

In form of Fluid and Solid Extracts, Cordial, Pills, Granules, Capsules, etc.

PLASTERS,

In Roll, Porous, Court and Surgeons'.

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National Formulary Preparations—Elixirs, Wines and Syrups.

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Were originated by us fourteen years ago, and are simply ready-made prescriptions for household use, pharmaceutically prepared without secrecy or fraud. They entirely replace patent or quack medicines, with profit to the retailer and satisfaction to the consumer. They are sold in every country and colony on the face of the globe.

In the preparation and putting up of a private formula in Pillular, Powder, Liquid, or any other form, we can do it better, cheaper and more elegantly than the retail dealer can possibly himself. SEND FOR QUOTATIONS.

SPECIALTIES.

Stearns' Effervescent Granular Hydrobromate Caffeine.

Caffeine Solditz—Very efficient headache remedy. Improved Bronchial Lozenges—Very salubrious. Put up in bulk and in boxes. Sample sent upon application.

Licorice and Tolu Tablets. The Ideal Inhaler (Mentholized Air)—For catarrh, cold in the head.

Tonic Hypophosphites—Replaces trade-marked and proprietary syrups at half the price.

Stearns' Fluid Extract Myrica (Bay Rum Essence)—Highly concentrated, giving true color of the Bay Leaf.

Fluid Extract Yerba Santa—For disguising the taste of quinine.

Fluid Extract Cascara—Modified. Free from bitter taste. Full strength.

Fluid Extract Golden Seal (Colorless).

Imperial Tooth Soap—The best dentifrice made. In colored lithographed hinge-top tin boxes.

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CAMPBELL'S FLUID EXTRACTS

Are prepared with scrupulous care and are as low in price as quality will justify.

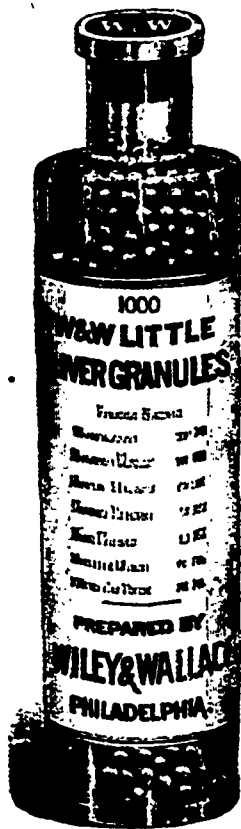
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Are at least equal to any before the public, and are very moderate in price.

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Are prepared with every regard to quality and appearance. A comparison is solicited with other makes.

W. & W. LITTLE LIVER GRANULES.



Sugar-Coat'd, White or Pink. Plain or Gelatine Coated.
SMALL, PLEASANT, PROMPT, EFFECTIVE.

1,000, 50 Cents. }
5,000, (one bottle) \$1.25. }
10,000, (one bottle) \$2.00. }
1 gross in glass, 50 in each, \$10.00. }
1 gross in glass, 40 in each, 8.50. }
1 gross in glass, 30 in each, 7.00. }
Buyers Address.

FORMULA.

Aloin, 1-10 gr.; Jalapin, 1-10 gr.; Podophylin, 1-10 gr.;
Ext. Hyocyanus, 1-20 gr.; Ext. Nux Vom. 1-20 gr.; Oleo-
Res. Capsici, 1-25 gr.

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Dr. Wil-on's Magnetic Ointment,
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Hope's Magnetic Ointment,
Wistar's Pulmonic Syrup,
Lamont's Baby Cordial,
Sitzer's Worm Candy,
Sitzer's Worm Syrup,
Leistershire Tiek and Vermin Destroyer,
Kennedy's Foundation and Hoof Ointment,
Golden Eye Salve,
Star Cement,
Wade's Condition Powders,
Clarke's Female Pills,
Peleg White's Sticking Salve,
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PLAIN, LACQUERED AND DECORATED

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SAMPLES & PRICES FURNISHED

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SOLE MANUFACTURERS
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NEW YORK.

The Prescribing Chemist and the Dispensing Doctor in France.

The Paris correspondent of the *Lancet* writes on this subject as follows: In France, as with you, the subject of the prescribing chemist comes from time to time on the *tapis* of discussion, although in this country the respective spheres of pharmacien and doctor are much more sharply defined than in England. Here the former is strictly a druggist: that is to say, he compounds and deals in drugs alone, while he relegates the retailing of tooth brushes and other toilet requisites to a personage quite apart, viz., the perfumer, whose trade is altogether another branch of industry, and as a rule, an extremely lucrative one. Consequently the pharmaceutical chemist occupies much more the position of a professional man in this country than with you, and, therefore, his social status is better. Pharmacy indeed, enjoys the dignity in Universities of France of a separate faculty, the students of which not only pass examinations, but matriculate and pursue a prolonged curriculum before obtaining the diploma in pharmacy. Distinct from the chemist, again, is the herbalist, or petty dealer in green and dried herbs, who is much more numerous as a class than in England, and to whom the lower orders—very fond of dosing themselves for everything in the first instance—have recourse invariably to their innumerable decoctions or *tisanes*. It will thus be seen that the druggist is limited in his operations to the dispensing and selling of pharmaceutical preparations. He is further restricted from suggesting or compounding any preparation for a customer unless the latter be first provided with a doctor's prescription. In other words, he is not to prescribe, and is liable to penalties if he has it proved against him that he does so. He does it however to a certain extent, but hardly in the wholesale, flagrant, over-the-counter manner which obtains in the United Kingdom. There are, of course, here as elsewhere, chemists and chemists. He who wishes to push his wares and preparations has recourse largely to advertising. He has some nostrum which he vaunts in the press throughout the country in the old worn way as the universal panacea for all the ills of which humanity is the unwilling but inevitable inheritor. There is no restriction placed on his choice of advertisement, providing he observes the legal limitation which ordains that all such preparations must be of a simple and not of a compound nature, and that it is declared accordingly. In this way he attracts the customer, who asks for a particular "elixir" or what not and on whom is thus adroitly thrown the onus of prescribing for himself. The doctor, on the other hand, save in a locality where a pharmacy may be wanting, is strictly prohibited by written and unwritten law from dispensing his own medicines; and it must be allowed that it is to a large extent owing to this salutary rule that

medicine as a profession occupies, as a whole, a higher social consideration than it does in England. The eyesore so often met with in large centres in England, of a member of a learned profession keeping open shop or so-called surgery, where hair oil and tooth brushes are offered for sale or "advice gratis, medicine a shilling," painted on a window in close proximity to the name of a registered practitioner, would not be tolerated in this country for a moment; and there are no two opinions about the public and the profession being in the long run gainers by this intolerance.

The question of medical treatment for the poor is quite beside this, as is evidenced by the fact that in France where nothing of the above objectionable nature obtains, the poor are well cared for medically, and there is little or no abuse of hospital charity. An endeavor, however, will shortly be made by a member of the Chamber of Deputies to modify the position, so far as the chemist is concerned, by bringing the following proposition before the House:

Chemists are henceforth authorized to deliver without prescription any compound medicines or drugs, but on condition that they are expressly asked for by the customer.

To this proposal the general practitioners are naturally opposed. A daily paper professes to have interviewed one of this body, who is reported to have replied as follows: "You complain, doctor, that the chemists poach on your preserves." "They not only poach," replied the doctor, "but they kill. In violation of the law, they prescribe, while the doctor rests with his arms crossed. The public does not recognize that a dispenser of drugs is incapable of writing a trustworthy prescription, and yet the study of medicine and surgery is quite another affair from that of chemistry and pharmacy. Now, the dangers," continued he, "of medicine given in this way are two: (1) on a wrong or no diagnosis; (2) it may not arrest the progress of the malady; result—delay, and the calling in of the doctor when death is inevitable. Moreover, by authorising the chemists to deliver medicines in this way many struggling practitioners in the poorer quarters will be deprived of their means of livelihood. There are doctors," he declared, "in such quarters, who, although every whit as capable as their more fortunate *confreres*, find a difficulty, owing to the exigencies of fortune, in putting together two or three thousand francs a year. They may have studied to obtain their diploma for ten years, and end by gaining with difficulty the wages of a workman; and, moreover, they are less at their ease than he, for they have to bear numerous expenses which the workman has not. It is true there are some members of the profession who accumulate large fortunes, but they are the small minority, and it is precisely to this minority, which knows little of our necessities, that appeals are made to legislate for us. And it is to be added," he went on, "that in this matter the pharmacien has always the advantage over us—as when, for

example, a workman consults us, he is generally out of work, and spends his saving on household necessities, amongst which are included the medicine. Our patient pays us not for his consultations, but he always pays the chemist!" In conclusion, he urged that he would allow the chemist in the interests of all concerned, the patient included, to do very minor surgery and simple dressings only, and even then he maintained he should hold the diploma of *officier de sante* as well as that in pharmacy. *Br. and Col. Druggist.*

A New Method of Taking Powders.

During the course of the recent influenza epidemic, Dr. Hoffman learned a new Method of taking Powders, from a patient who himself originated it. This method seemed to offer so many advantages over the customary enveloping in wafers and capsules, that Hoffman tried it under numerous conditions and with great satisfaction.

The material is a paper of vegetable fibre, manufactured on a large scale in Japan under the name "Usego"; it is a uniform yellowish white in color, and has a silky lustre. On the one hand it is so thin and delicate that the finest mark can be seen through it, and on the other, is possessed of remarkable toughness and tenacity. The weight of a single piece (it comes into commerce in sheets 20 inches long by 14 broad) is about 30 grains, and it contains 1.05 per cent. of ash, consisting of oxide of iron, alumina and lime. Microscopically examined, it was seen to be a thick network of irregularly arranged bast fibre cells, with extraordinary thin walls. By the efforts of Dr. Uloth, the source was identified as *Wickstrœmia canescens* of the natural order Thymelacœe, a bushy plant which grows widely in the mountain forests of middle and south Japan.

A piece of about 4 square inches is used for an ordinary powder of 8 grains, which is shaken as much as possible towards the centre; the four corners are then taken up, and twisted together between the finger and thumb, avoiding as much as possible all unnecessary breaking of the paper. The little twisted column is then cut off, the base slightly compressed, and the whole is ready for taking. Practical experiments showed that in the stomach the packet immediately unfolds, and discharges its contents; the paper itself seems to be entirely disintegrated in its passage along the digestive tract. The author thinks that the great cheapness of the method will be a chief advantage, as well as its simplicity of application. At the same time, the Japan paper makes a much smaller packet than the ordinary wafer. He recommends that the medical man should add to his prescription the words "D. ad. chart. japonic," and that the powders should be sent out ready for taking by the pharmacist.

SELECTIONS.

THE atomic weight of bismuth has long been accepted as 210. E. Claussen (*Berichte*) has just made some careful determinations of the atomic weight, which is shown to be 208.89830 if oxygen is taken as 16, or 208.37605 if oxygen is taken as 15.96.

A LANOLIN REACTION. According to Vulpus, if a few centigrams of lanolin are dissolved in chloroform, and this solution is cautiously poured on an equal volume of sulphuric acid in a test-tube, there appears at the point of contact a fiery brown-red ring. The chloroform above the ring has a violet reflection.

PARAFFIN, when treated with solvents, behaves like a colloid. It yields jellies with benzol, chloroform, and especially with ether. In acetic acid it behaves like a crystalloid. The condition of paraffin in crude petroleum may thus be explained. —B. Pawlewski, in *Ber. d. Chem. Ges.*, xxiii. 327.

SOLUBILITY OF TARTAR EMETIC.—According to Kochlin (*Chem. Zeit.*) the solubility of tartar emetic is considerably increased by the addition of an alkaline chloride, such as common salt, or sal ammoniac. Thus, 5 parts of tartar emetic if combined with an equal weight of salt, will require only 10 parts of water for solution.

SOLUTION OF IODOFORM IN OLIVE OIL.—The *Munch Med. Wochens.* contains a communication from Dr. Halfter, to the effect that a saturated solution of camphor and olive oil takes up a considerable quantity of iodoform in solution. On careful investigation he ascertained that iodoform was dissolved in such a solution to the extent of six per cent.

HOW TO DISPENSE LITHIUM CARBONATE.—The solubility of lithium carbonate is in many instances insufficient, particularly when the salt has been exposed to too much heat in drying, or when its large sized grains have not been previously pulverised. Carles suggests, therefore, that it should only be dispensed in the form of a fine powder, and mixed with equal parts of sodium bicarbonate, or, better still, of sugar, by which means its solubility in (soda) water will be augmented.

ANTISEPTIC PAPER.—M. Duquaire, of Lyons, suggests an antiseptic paper consisting of asbestos with about 5 per cent. of ordinary paper pulp. Work into a soft paper, and soak in a solution of beeswax and petroleum benzene. After evaporation of the solvent, the paper is ready for use, all that is necessary being to light it with a match, after which the paper being completely aseptic, it may be used for dressing wounds, with or without iodoform or other antiseptics.—*Ch. and Dr.*

PYOKTANIN.—Merck exhibited in Berlin recently a number of new synthetical substances, among which were two anti-

septics, called pyoktanin, which appear to be anilin compounds. They are said to exceed corrosive sublimate in their bactericidal action, at the same time being non-poisonous, odorless and healing to the wounds to which they are applied. One variety is intended for surgical purposes, and the second for ophthalmological use. They are presented in the form of one and two per cent. dusting powders, ointment and bandages.

SUPPOSITORIES OF VEGETABLE EXTRACTS.—The following method of manipulation is recommended with an intractable vegetable extract, such as an extract of belladonna, when ordered in the form of a fatty suppository. Melt the necessary quantity of oil of theobroma with 10 per cent. of wax. Rub the extract perfectly smooth with an equal weight of lanoline or lard; pour on the mixture one third of the melted cocoa butter with constant stirring, then pour back into the bulk of the melted vehicle and having well mixed run into the moulds. —*Journal de Pharmacie*.

THIO RESORCIN.—The latest substitute for iodoform is a combination of sulphur with resorcin, discovered by Ewer and Pick of Berlin, to which the name of theo-resorcin has been applied. It occurs as a powder, and is without smell and entirely non-poisonous. It has been used as a dusting powder, and as an ointment made up with vaseline of the strength from 10 to 20 per cent. for eczema psoriasis, itch and other skin diseases. It is insoluble in water, but sparingly soluble in ether or alcohol. In price it is about the same as iodoform. ("Lancet," June 8th, 1889.)—*International Medical Annual*, 1890.

An Easy Way to Silver Glass.

This may be done by dissolving the parts of crystallised nitrates of silver in fifty parts of distilled water, to this exactly six parts of the solution of ammonia is to be added; then one part of tartaric acid must be dissolved in four half parts of water, and mixed with it; and afterwards diluted with 500 parts of pure distilled water. Having thus prepared the silver solution for use, it is now necessary to clean very carefully the glass we wish to silver, which is then placed in a vessel and the solution poured in. The vessel is next put away in a quiet place, and kept at a temperature of 40° to 50° Centigrade. When the glass is silvered it may be carefully washed in a very gentle stream of water, and then dried at a moderate heat. As the silver would tarnish by exposure to the action of the atmosphere, it is advisable to varnish it over with some polishing varnish. For this purpose amber, dissolved in chloroform, will be found an admirable preparation.—*National Glass Budget*.

Pumblano bark, derived from a Mexican leguminous tree, is recommended as a substitute for quinine.

The London Drug Co.

LONDON, ONT.,

Wholesale Druggists & Importers.

IN STOCK:

Merck's Scales Pepsine, $\frac{1}{2}$ lb. & 1 oz. btl.
 " Lacto Pepsine, $\frac{1}{2}$ lb btl.
 " Pancreatine Scales, 1 oz. btl.
 " Powdered Malt, 1 lb. btl.

SPECIALTIES:

Granular Citrate of Magnesia,
 Spirits Ammonia, Arom., Distill'd,
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 Fluid Extracts,
 Elixirs and Syrups,
 Extract Vanilla,
 Strawberry, Raspberry,

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Wm. Wyeth & Co.'s Preparations,

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And everything required in the business.

The London Drug Co.

We bought this Space
 for the purpose of informing
 you why we are Mad.

We have our teeth set and our face red because there are two or three unscrupulous and wholly irresponsible parties who, unable to make an honest living, are now and have been seeking to impose on you and the public, by secretly counterfeiting our "PENNYROYAL WAFERS" and "GREAT ENGLISH PRESCRIPTION," and disposing of them to the Trade, both Wholesale and Retail, at CUT PRICES. Their product is a clever imitation. The labels have our name forged thereon and look very much like our bona fide package, but the goods are far inferior, in fact, are a dangerous counterfeit. A certain number of Druggists in Canada bought of these goods, under false representation of their being our goods, and obtained by them an advertising, or by having an overstock must sacrifice them. Very clever talk, but nevertheless falsehoods. We have the leader of this gang under arrest. The Chicago end of the scheme is closely pursued. Buy no goods from travellers. We have had none out since 1887. We sell to you direct from the home office. We put the expense of a traveller into advertising the goods, and you profit thereby. Every box of Pennyroyal Wafers sent out by us has our signature in RED across the face of both labels (both French and English.) A few of the Druggists finding the counterfeit article of little or no efficacy with their trade, have complained that we were not making so good an article as formerly, and when we looked into the matter we found, and they admitted, that the goods were not procured of us, and were a suspected, counterfeit. The original PENNYROYAL WAFERS, as introduced by us, and which is wholly our property, secured by rights given by Canadian patents as well as U.S. patents, are a Specific in all cases, and are valuable beyond all else reasonable, so that their success as sellers and results in treatment are items which others covet and try to imitate.

—: WE SHALL APPEAR BEFORE YOU:—

In this space during the year to make propositions of value to you for the Sale of these goods to your trade, and shall ask therefore that you shun all goods offered which are not clearly bona fide. Treat "snaps" and "cut prices" in these preparations with suspicion.

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Eureka Chemical Co.,
 DETROIT, MICH.

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Oxygenized Emulsion

OF
Pure Cod Liver Oil,

COLTSFOOT EXPECTORANT,

REGULATIVE PILLS,

MAGNETIC MEDICATED PLASTER.

Owing to the increased demand for my preparations, I have placed them in the hands of the Wholesale trade in each Province.

Price List and Circulars supplied on application.

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O. B. - MCGILL'S - O. B.

Famous

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Is now being used by thousands of Physicians all over the land as the most convenient and reliable treatment for the following Female diseases :

Inflammation, Congestion and Falling of the Womb, Anteversion, Retroversion and Prolapsus, Dropsy of the Womb, Ulceration, Polypus, Tumors, Leucorrhœa, Profuse and Difficult Menstruation, Ovarian Tumors, Fibroid Tumors, Inflammation and Congestion of the Ovaries, Cancers in their Earlier Stages, Lacerations of Cervix due to Child Birth Radically Cured.

The O. B. treatment is simple, harmless, and works like a charm, often with the first application removing pain from which the patient may have suffered for years.

Thousands of ladies who have been permanently cured by its use bear testimony to the truth of this statement. Each package contains one month's treatment.

For sale by Druggists and Pharmacists everywhere.

DR. J. A. MCGILL & Co.,

Proprietors, Chicago, Ill.

Address all Canadian Correspondence to

R. S. MCGILL, Manager Canadian Laboratory, Simcoe, Ont.

To Druggists :

Dr. Child's Pile Ointment is an infallible remedy, vastly superior to any and every other preparation in the world. It is not only a sovereign specific for Piles, but also for Chaps, Chafings, Pruritus, Fissures, Salt Rheum, all Hot and Itching Sores and Eruptions, and all cases requiring an Astringent, Soothing and Healing application. 2,000 Cures. No failures.

Messrs. D. S. Curtis & Co., New Westminster, B. C., write : "Please ship us eight dozen Dr. Child's Pile Ointment. The demand for it is constantly increasing, so that we feel warranted in doubling previous orders. It is a remedy that we can conscientiously recommend. Physicians here prescribe it with satisfaction to themselves and their patients." In a previous communication they said : "We take pleasure in pushing this Ointment, having had positive evidence of its merits."

Messrs. Langley & Co., wholesale, Victoria, B. C., April 1889, wrote "Dr. Child's Pile Ointment gives satisfaction wherever used." And again, April, 1899, they say : "We have remarkably good reports from those who have used the Ointment, and always recommend it, believing it to be all you claim for it."

Mr. J. J. Carment, Prov. Constable, Kamloops, was cured over a year ago and certifies as follows : "I have suffered terribly from PILES and PROLAPSUS ANI, and despaired of ever being cured, but Dr. Child's Pile Ointment has perfectly relieved me, and I take pleasure in recommending it. I also have knowledge of a bad case of Eczema cured by this ointment."

Mr. J. Campbell, merchant, North Westminster, certifies to the cure of three persons.

Mr. J. B. Tiffin, Manager Port Moody Saw Mills, certifies to the cure of two persons.

The boxes are small, but the cures are big. Some of our customers buy it in quantity for stable use, as it cures Scratches, Harness Sores, etc., in horses, better than anything else. It can be recommended with confidence, and it is offered at a price which make it worth your while to stock and push it.

If your Wholesaler does not keep it, we will send one dozen postpaid on receipt of \$6.00, as a "starter." Retail price, \$1.00.

CLARKE & CO.,

Wholesale and Retail Druggists, - KAMLOOPS, BRIT. COL.

THE TRADE WILL FIND

J. A. POZZONI'S

As a Cosmetic for the Skin it stands without a rival. Its sales are unprecedented.



All pronounce it "The Best Preparation for the Skin ever used."

Medicated Complexion Powder

Worthy of its Special Attention. Three Shades, Flesh, White and Brunette.

Retail at 50 cents; Per Dozen, \$3.75. Try a dozen with your first order.

ALL CANADIAN JOBBERS HAVE IT.

Medicated Wines.

Dieterich, in the last issue of his *Pharmacoutisic Manual*, gives a number of formulæ for the preparation of medicated wines. Few, if any, of these can be regarded as tipples, but all are peculiar for the fact that the wine from which they are made is detannated. We give a selection of the more important formulæ for articles which should be saleable if put up in attractive form and brought before customers in a nice way.

CASCARA SAGRADA WINE.

White gelatin in strips... 15 grains
Distilled water..... 2½ drachms
Dissolve by the aid of heat, and add to -
Sherry wine..... 28 oz.
Shake well, set aside for some time, then add

Tasteless fluid extract of
cascara sagrada..... 1½ oz.
Sugar..... 1½ oz.
Set aside in a cool place for eight days, and filter.

A similar wine, not free from the bitter principle of the bark, may be made by macerating 1½ oz. of cascara sagrada and 1½ oz. of sugar in 30 oz. of sherry, for eight days, and filtering. A *Rhamnus frangula* wine can be made in the same way.

CINCHONA WINE.

White gelatin..... 15 grains
Distilled water... 2½ drachms
Sherry wine..... 18 oz.

Detannate in the manner above described; then add—

Simple syrup..... 6 oz.
Tincture of cinchona..... 6 oz.

After eight days, filter.

May also be made with red wine, or direct from the bark, the quantities being:

Gelatine..... 15 grains
Distilled water.. 2½ drachms
Sherry wine..... 30 oz.
Cinchona bark, in coarse
powder..... 10 drachms
Sugar..... 1½ oz.

Macerate for eight days, and filter.

In this case, care must be taken to have the gelatine and wine reaction complete before adding the cinchona, otherwise the alkaloid may be thrown out by the tannin of the wine.

IMPROVED QUININE WINE.

Gelatine..... 15 grains
Distilled water..... 2½ drachms

Dissolve and add to -

Sherry wine..... 29½ oz.

Shake, and set aside to clear; then add the following solution:

Hydrochlorate of quinine 30 grains
Dilute hydrochloric acid 30 drops
Water..... ½ oz.

After a week filter

This is double the strength given by Dieterich, as our inland revenue requires 1 grain of quinine per oz. to be contained in the wine, if sold without a license.

PEPSIN WINE.

White gelatine, in strips 15 grains
Distilled water..... 2½ drachms
White wine..... 25 oz.

Detannate as described. At the same time mix together—

Pepsin..... 7 drachms
Glycerine..... 6 drachms
Distilled water..... 6 drachms

Add to the wine along with 40 minims of hydrochloric acid; macerate for eight days, shaking occasionally; then filter.

SENNA WINE.

Alexandrian senna leaves..... 1½ oz.
Sherry wine..... 27 oz.

Macerate for eight days, press, and strain; then add 5 grains of gelatine dissolved in 2½ drachms of distilled water, and then the following:

Tincture of orange peel... 1 oz.
" ginger..... ½ oz.
Aromatic tincture..... 80 minims
Honey..... 2 oz.

Again allow to stand for ten days, and filter.

This wine is an excellent aperient for persons suffering from hemorrhoids. It should be taken in tablespoonfuls, according to the effect desired.—*Chemist and Druggist*.

Notes and Queries.

W. R., Toronto, writes: "A few days ago I had occasion to prepare the following prescription and obtained results which I do not understand, and will be very glad if you can enlighten me:

R Tr. Ferri Perchlor..... 4 drs.
Ac. phosph. dil..... 3 drs.
Aqua ad..... 2 ozs.

Mix.

"On adding the acid and the tincture a considerable quantity of precipitate was thrown down, and in no way could I prevent this, although I tried diluting it, etc. Can this be satisfactorily dispensed so as to form a clear mixture?"

Ans.—Pure acid phosphoric dil. B. P., that is ortho-phosphoric acid with tincture of iron will give a perfectly bright solution free from precipitate. The probable difficulty is that your acid contains more or less meta-phosphoric acid, as commercial acid phosph. dil. frequently does, in which case it will give a copious precipitate which cannot be avoided in any way, but if materials are pure no difficulty should be experienced.

"Aloes," Hamilton, asks, "How should the following prescription be dispensed":

R Potass. chlor..... 1 dr.
Soda bicarb..... 2 dr.
Soda bibor..... 2 dr.
Glycerin..... 1 oz.
Aqua ad..... 4 oz.

Mix.

"In adding the glycerin sudden effervescence takes place. Is there any chemical action? If so, what? I found that the absence of chlorate of potash did not prevent this."

Ans.—The chlorate of potash takes no part in the chemical change which takes place. The glycerin, acting on the borax, forms boric acid and sodium metaborate, then the boric acid, acting on the bicarbonate of sodium, causes the effervescence. C. O₂ being given off. It ought to be dispensed in a mortar or open vessel, then when effervescence ceases pour into the bottle

E. M. D., P. E. Island. — The article mentioned was, as you may observe, a clipping from an exchange, but on testing the matter find it does not act as stated. Thanks for your favorable opinion of the *Druggist*.

M., Hamilton. — No, as we understand it the recognition of the Ontario College diplomas by the State Boards mentioned does not necessitate a mutual recognition by the Ontario Council of the diplomas from the other colleges.

Salol is now given internally with highly satisfactory results for gonorrhœa.

Aristol is said to be an excellent application for piles, both external and internal.

Capsicum is one of the best counter-irritants, especially in muscular rheumatism, stiff neck and neuralgia.

Helenin, the active principle of elecampane root, is claimed by Marpmann to prevent development of tuberculosis.

The odor of Ichthyol may be disguised by oil of citronella. The latter is itself employed, in Ceylon, against rheumatism.

Ichthyol suppositories (33 per cent.) are highly recommended for the treatment of intestinal catarrh, both acute and chronic.

GLUTEN FLOUR.

This article is highly recommended in cases of Diabetes, as the Starch is mainly converted into dextrine. Many physicians recommend it instead of the imported article. It has now been tested for six years.

DESICCATED WHEAT

For the cure of Dyspepsia. This is the best dietetic known for Indigestion, Constipation and Gastric Derangements.

BARAVENA MILK FOOD

For Infants. It is a compound of prepared Wheat, Milk and Sugar, and has had six years successful run. In many cases its results are remarkable. Retail at 40c. per tin.

THE TRADE SUPPLIED BY

The Ireland National Food Co. Ltd., Toronto.

Advertisements under the following headings will be inserted ~~free~~ one insertion:—Situations Vacant, Situations Wanted, Business Wanted, Business for Sale, Goods for Exchange, Miscellaneous.

Situations Wanted.

A S Manager or Assistant, 10 years experience. Qualified. Address W. T., 28 St. Monique St., Montreal.

Businesses for Sale.

ESTABLISHED DRUG BUSINESS FOR SALE IN LIVE manufacturing town—Ontario. Stock and fixtures in prime order—about \$2,500. This is no bankrupt sale; a fine chance. Address Chemist, Office CANADIAN DRUGGIST, Strathroy, Ont.

Business Wanted.

DRUG BUSINESS WANTED—West or south of Toronto, anywhere in good town and good farming community. Address A. L., care Canadian Druggist, Strathroy.

WANTED—A good, clean stock of Drugs, from \$1000 to \$2000, in a live town, preferably in Western Ontario. Address Box 88, Beeton.

Price List of Lambert's Physician's Specialties :

LISTERINE.

ANTISEPTIC, PROPHYLACTIC, DEODORANT.

One Bottle (14 oz.) Retail, - \$1.25

**LAMBERT'S
LITHIATED HYDRANCEA.**

KIDNEY ALTERATIVE ANTI-LITHIC.

One Bottle (8 oz.) Retail, - \$1.25

The Retail Drug Trade promptly supplied at \$10.50 per dozen NET, by any Wholesale Druggist of Canada, or from our Canadian Depot at Toronto, by W. LLOYD WOOD, Agent.

SUBSTITUTION.—In view of numerous letters which we have received from Canadian Physicians, complaining of the "substitution of articles of uncertain commercial value where LISTERINE was prescribed," we consider it necessary to hereby

REMINDE CANADIAN DRUGGISTS

that the word LISTERINE is justly and legally ours, that it is properly identified as such by registration in Canada, the United States and Great Britain. By a system of investigation we shall endeavor to secure for the Physician's prescription, the identical article prescribed, and to this end we are all ready assured the hearty co-operation of many Physicians and leading Druggists of Canada, who universally deery this pernicious practice—**SUBSTITUTION.**

Yours respectfully,

**Lambert Pharmacal Co.,
ST. LOUIS.**

*"Famine is in thy cheeks,
Need and oppression stareth in thine eyes.
Upon thy back hangs ragged misery."*

These lines fully describe that most miserable of human beings the

DYSPEPTIC.

His great trouble is that he cannot find a food that his weakened stomach can retain and digest.



Can be retained and digested by the **WEAKEST STOMACH.**

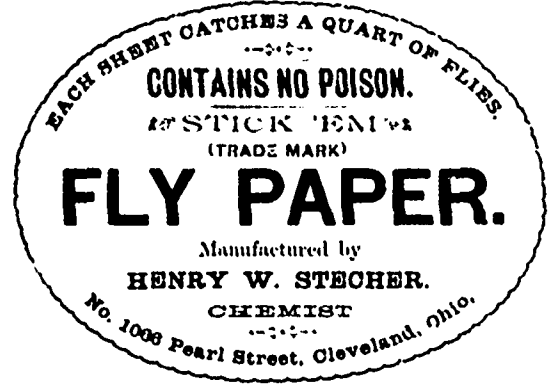
It quickly Stimulates and Strengthens and thereby improves the digestive functions.

Stecher's Stick 'Em Fly Paper

**THE OLDEST, THE BEST, THE MOST RELIABLE,
THE LARGEST SHEET!**

—SIZE, 18 X 24 INCHES.—

No more flies falling dead all over the room. The Stick 'Em Fly Paper catches and holds all the flies in the room.



The saying is "When one fly dies a dozen come to the funeral." This paper catches the funeral procession and all!

Spread on Manilla or Parchment as desired. Quality Guaranteed for the Entire Season.

Price, \$1.10 per box of 50 sheets; 5 boxes for \$5.25; 10 boxes for \$10.00.

Your customers will appreciate the large sheet. All Jobbers handle it.

MANUFACTURED BY **HENRY W. STECHER,** - Cleveland, Ohio.

NOW IS THE TIME WHEN

DAVIS' FLY FELTS

SELL WITH A RUSH.

Druggists, look at Your Stock and Keep Well Supplied.

OUR FELTS ARE VERY POPULAR. SALES LARGE AND INCREASING.

Order from your Wholesaler or from Manufacturers.

Powell & Davis Co.

CHATHAM, ONT.

BUSINESS NOTICES.

As the design of the CANADIAN DRUGGIST is to benefit mutually all interested in the business, we would request all parties ordering goods or making purchases of any description from houses advertising with us to mention in their letter that such advertisement was noticed in the CANADIAN DRUGGIST.

Read J. Winer & Co.'s change of advertisement on first page of cover. It interests you.

The Eureka Chemical Co. have something to say to the druggists of Canada in this number. Read their announcement.

Kerry, Watson & Co., Montreal, announce the receipt of 500 cases choice sponges in all grades, and invite letter orders or personal examination of the goods.

Dr. H. P. Wilkins' Liver Powders are brought to the notice of the trade as a reliable remedy, and one that can be offered in perfect confidence for all liver troubles. They may be ordered direct from the manufacturers, or through Elliot & Co., Toronto.

Read the change of advt. of Dr. Child's Pile Ointment on page 11. Nothing could be more conclusive as to the efficacy of this preparation and the druggist who handles it realises a good profit and gives satisfaction to his customers. Send a trial order.

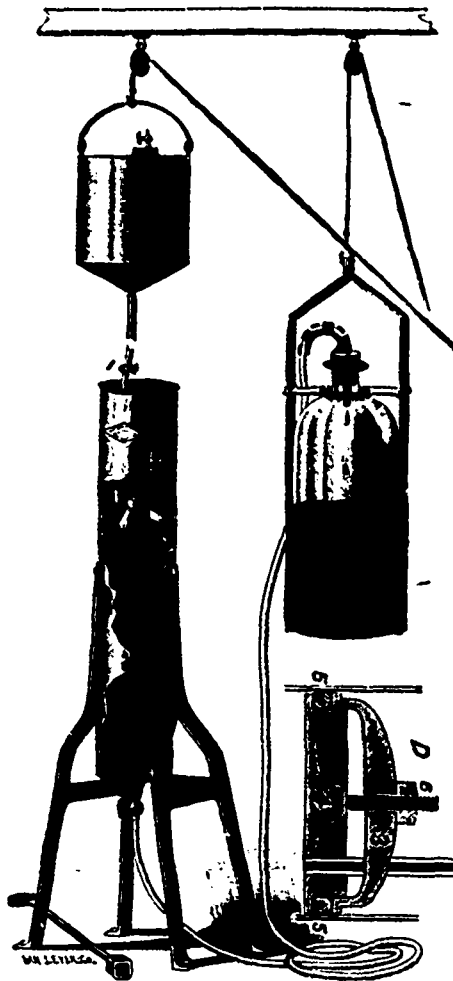
Attention is directed to the announcement elsewhere in this issue to the effect that Messrs. Fulford & Co., Brockville, the enterprising proprietors of Nasal Balm, have taken over the Dr. Williams' Pink Pills business. This is a sufficient guarantee that the remedy will be thoroughly and effectively advertised, and that a wide spread demand will be created for it.



The Merz Capsule Co., of Detroit, invite your attention in this issue to their elastic and hard filled capsules, of which they offer over 125 standard formulas. The accompanying cut shows the new capsule for fluid medicines of all sorts, which may be simply and easily filled by compression of the empty capsule and then drawing up the liquid. This capsule holds one teaspoonful.

REMOVAL.—The Humphries' Homeopathic Medicine Company find that the constantly increasing demand—both domestic and foreign—for their preparations has necessitated increased facilities for business. After no small effort to find premises in the center of the drug and medicine quarter of their city, with sufficient space to meet their wants, they have purchased the property lately occupied by the A. S. Barnes Publishing Co., on the North-west corner of William and John streets, Nos. 111 and 113 William street and Nos. 61, 63 and 65, John street. This property, seventy feet on John by forty on William, a substantial brick

structure of five stories and basement, will furnish the facilities they have so much desired for their complicated and varied wants. As soon as the proper changes in the way of removals and betterments can be made, which they trust will not be later than August 1st, they shall be happy to meet their old friends and customers at their new home, which they designate as the corner of William and John streets, New York.



Patented in the U. S. and Canada.

DESCRIPTION OF ANDERSON'S DOUBLE PRESSURE PERCOLATOR.—A is the menstruum reservoir, connected to the percolator, B, by a rubber tube. I is a pinch-cock. The percolator is mounted on a substantial japanned iron stand. C is the receiving bottle, suspended in the bottle swing. This will hold different sizes of bottles. The swing with Nos. 0, 1 and 2 will take in bottles holding from 1 to 10 pints; that with Nos. 3, 4, and 5 a 20 pint bottle or a 2 gallon demijohn. In C the half circle is seen fitted in the cork to prevent the discharge tube from kinking. D is an enlarged view of the piston head, which consists of the plates, 3 and 4; between them is the solid rubber ring, 5, 5. The bolt and nut, 6, serve to draw the plates together, thus pressing the rubber ring against the sides of the percolator, forming a tight joint. The piston-head is adjustable at any point in the cylindrical percolator. See advt. on page 3.

Kerry, Watson & Co.,

WHOLESALE DRUGGISTS,

351 St. Paul St.,
MONTREAL.

500 Cases Honey Comb SPONGES

ASSORTED SIZES AND QUALITIES ALL WELL SELECTED.

15	Cases	No. 1	qual. Bath,	\$1.25	per piece
15	"	"	"	80c.	"
15	"	"	"	55c.	"
15	"	"	"	45c.	"
10	"	"	"	28c.	"
12	"	"	Toilet,	8c.	"
20	"	"	"	6c.	"
25	"	"	"	4c.	"
75	"	"	"	2c.	"

300 Cases No. 2 quality Assorted Sponges from 8c. to \$1.25 per piece.

The above goods are all carefully selected, very uniform in size in the cases, and are packed in boxes holding 12 to 30 Sponges. The smaller sizes in cases of 50, 100 and 200 pieces.

Raspberry Citrate of Magnesia.

A new and pleasant form of our well known Granular Effervescent Citrate of Magnesia, possessing all its good qualities, combined with the odor and flavor of the fresh fruit.

We have just placed this on the market and invite orders. Samples sent on application.

WESTERN HOUSE,

The London Drug Co.

LONDON, ONT.

THE SUCCESSFUL REMEDY
 —FOR—
NASAL CATARRH

Must be Non-Irritating

Easy of application, and one that will, by its own action, reach all the remote sores and ulcerated surfaces. The efforts to treat Catarrh during the past few years demonstrate that only one remedy has met these conditions and that is

ELY'S CREAM BALM.

This safe and pleasant remedy

Has Mastered Catarrh

As nothing else has ever done, and both physicians and patients freely concede this fact. The more distressing symptoms quickly yield to it, and a multitude of persons who have for years borne all the worry and pain that Catarrh can inflict, testify to radical and permanent cures wrought by it.

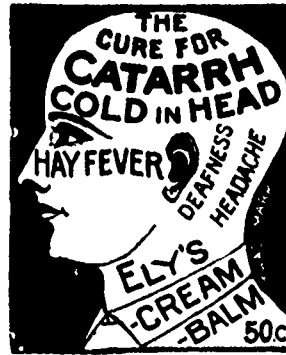
ELY'S CREAM BALM is soothing, excites no dread, dissolves the hardened accumulations, lessens the extreme sensibility of the membrane to cold and all external irritants, and is followed by no reaction whatever.

A cold in the head is an inflammation of the lining membrane of the nasal passages, which, when unchecked, is certain to produce a Catarrhal condition for Catarrh is essentially a "cold" which nature is no longer able to resolve or throw off.

ELY'S CREAM BALM is not a liquid, snuff or powder. Applied into the nostrils it is quickly absorbed. It cleanses the head, allays inflammation, heals the sores, restores the senses of taste and smell. Sold by druggists, or sent on receipt of **Price. 50c.**

ELY BROS.,

56 WARREN STREET, - : - NEW YORK.



HUMPHREYS' SPECIFICS. VETERINARY SPECIFICS. SPECIAL PRESCRIPTIONS.

WITCH HAZEL OIL. MARVEL OF HEALING.

Stocked by all wholesale druggists in Canada and delivered

DUTY FREE.

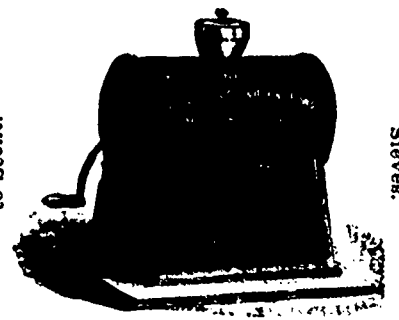
Write for catalogue, photographs of counter show cases, terms and inducements.

HUMPHREYS' MEDICINE COMPANY

NOS. 111 AND 113 WILLIAM ST., AND NOS. 61, 63 AND 65 JOHN ST., NEW YORK.

ONLY \$10. THE BEST IN THE WORLD.

Easily Cleaned and no Wood to Scent.



Dust Proof and Changeable Sieves.

Rubber brush rubs all lumps out of powder before it is sifted.

50 Mesh and 120 Mesh Wire Sieves, and 160 Mesh Bolting Cloth, 75c each

Two Sieves, 40 and 60 mesh, with each Mixer and valuable formulas for Baking Powder, Tooth Powder, Dyspepsia Powder, etc. Send for circular to sole Manufacturer and Inventor

M. J. JONES, - Penn Yan, N. Y. Agents Wanted.

S. LACHANCE,

1538 AND 1540 ST. CATHERINE STREET
MONTREAL,

Proprietor of the following Specialties :

- Father Mathew Remedy,**
- Dr. Sey's Remedy,**
- Persian Lotion,**
- Indigenous Bitters,**
- Audette's Hair Promotor.**

THE ALBERT TOILET SOAP COY'S

Has the largest sale of any Toilet Soap in the country on account of its uniformly excellent, delicate and fragrant qualities.



Major's - Cement.



MAJOR'S CEMENT, for repairing China, Glassware, Furniture, Meerschaum, Vases, Books, Tipping Billiard Cues, etc. 15 and 25 cents.

MAJOR'S LEATHER CEMENT for repairing Boots and Shoes. 15 and 20c.

MAJOR'S RUBBER CEMENT for repairing all kinds of soft rubber goods. 15 cents.

MAJOR'S BEST LIQUID GLUE for repairing wood, etc., always ready for use. 10 cents.

Advertising matter sent by mail on application. I also furnish a handsome sign for inside and a stand, 3 ft. 6 in., for outside use, with a 50 lb. weight, and a thermometer 4 1/2 x 2 1/2 inches, first-class in every respect. Send for terms.

A. MAJOR, 232 William Street, New York City.
 KERRY, WATSON & CO., Montreal, P.Q.
 and the LONDON DRUG CO., London, Ont.

HIRST'S PAIN EXTERMINATOR

For Sale Wholesale by
Toronto :

NORTHROP & LYMAN, LYMAN BROS.,
 T. MILBURN & Co., ELLIOTT & Co.,
 F. F. DALLEY & Co., EVANS & SONS, LTD.

Hamilton :

J. WISER & Co., ARCHDALE WILSON & Co.,
 F. F. Dalley & Co., G. O. Butts & Sons.

London :

LONDON DRUG CO., C. McCALLUM,
 JAS. KENNEDY & Co.

British Columbia :
 LANGLEY & COMPANY.

Montreal :

EVANS & SONS, LTD.

Drug Report.

Trade for July has been very fair. At this season, owing to farmers being busy and so many in the city away from home, a quiet trade is being done.

ALCOHOL. The advance in the price of this article has been quite a topic of conversation among the drug trade, which is no wonder as its advance affects so many articles handled by them. It is hoped some arrangement can be made with the Government in regard to spirit used in manufacturing tinctures, &c., but on account of so much liquor being sold illegally by some druggists this is hardly likely, for as is usual the majority have to suffer for the minority. A druggists' distillery is under discussion at present. Our American friends also have to pay 2c. per gallon advance, with the likelihood of a still further rise owing to an advance in grain.

JALAP ROOT scarce, some poor samples offered. Cattle fishbone, higher.

QUININE It is predicted this article is as low as it will be this year. There is no doubt it is selling at less than cost of production.

NITRATE OF SILVER has again advanced. Tartaric acid, firmer. Shellac, higher prices probable.

Heavy chemicals, especially English ones, will soon see higher prices, as a

combination is about formed with a capital of \$40,000,000.

Opium, owing to short crop, will likely be higher.

The *Journal of Commerce* says: A private cable says that a combine has been formed in chemicals in the north of England and that prices in the bleaching powder market are already showing considerable advances. Soda crystals, soda ash, and caustic soda are leading the boom. Foreign buyers are doubtful at present about the reality of the advance, but prices will probably go up with a bound when the continental requirements compel them to buy.

If beeswax is adulterated with stearic acid, the sophistication can be detected by boiling 10 grains or so, cut into shavings, in 2 drachms of rectified spirit for a minute; then cool to 18-20° C., filter, and shake the filtrate with a little water in a test tube. If stearic acid is present there is a separation of floccy matter, which rises to the surface. One per cent. can in this way be detected.

When a competitor in business strenuously endeavors to impress the public with the idea that he has the only valuable enterprise, remember, that ten to one it is your own success that causes the jugglery.

GINSENG.

Wanted—5,000 pounds Dry Ginseng Root.

We pay the highest market price and pay Spot Cash.

T. KENNEY & SON,
HALLERTON, QUE.



Special price in 1 to 5 gross lots.

M. H. BRISSETTE, St. Paul St., Montreal.

Rubber Goods of Every Description.

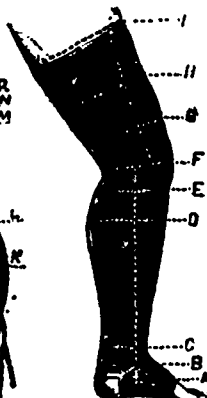
DRUGGISTS' RUBBER SUNDRIES.

The Largest and Most Complete Stock in the Dominion.

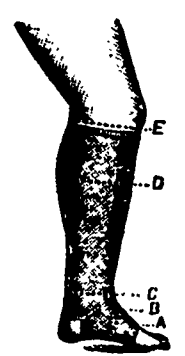
- Air and Water Goods,
- Surgical Cushions (Howard Kelly's),
- Soft and Hard Rubber Urinals,
- Syringes, Atomizers,
- Bandages, Fever Coils,
- Sheeting, Nipples, etc.



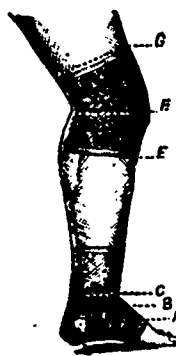
Abdominal Belt.



Thigh Stocking.



Knee Stocking.



Knee Cap and Ankle.



IN USE.

Agreeable and Healthy, Soothing and Quieting.
Put up in neat tin case.



SPREAD OUT.

THE PERFECT ADJUSTABLE RUBBER BATH MITTEN.

Elastic Hosiery

A Complete New Stock of all Sizes.

ORDERS FILLED PROMPTLY.

- Sportsmen's Goods,
- Fire Department Supplies,
- Rubber and Tweed Waterproof Clothing,
- Belting, Packing, Hose, &c.

Send for Catalogue of 240 pages.

Toronto Rubber Co. of Canada.

P. O. Box 476. Telephones 485 and 3299.

T. McILROY, Jr., & CO.,

28 KING ST. W., TORONTO.

We have already contracted to advertise

WILSON'S FLY POISON PADS

(REGISTERED)

In Ninety Newspapers during the coming Summer Months.

The Demand will therefore be Larger than ever.

WILSON'S FLY PADS are the most satisfactory Insect Poison ever offered the Canadian Trade. No other form of Fly Poison has given the same satisfaction or had so large a sale.

SOLD BY ALL WHOLESALE DRUGGISTS AND DEALERS IN PATENT MEDICINES.

ARCHDALE WILSON & CO., HAMILTON.

Canadian Druggist Prices Current:

CORRECTED TO AUGUST 10th, 1890.

The quotations given represent average prices 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.

Alcohol, gal.....	\$3 70	\$3 85	Castor, Fibre, lb.....	7 50	8 00	Bleached, lb.....	45	50
Methyl, gal.....	1 90	2 00	CHALK, French, powdered, lb	10	12	Spruce, true, lb.....	30	35
ALLSPICE, lb.....	13	15	Precip., see Calcium, lb.....	10	12	Tragacanth, flake, 1st, lb.....	1 00	1 10
Powdered, lb.....	15	17	Prepared, lb.....	5	6	Powdered, lb.....	1 10	1 15
ALON, oz.....	40	45	CHARCOAL, Animal, powd., lb.....	4	5	Sorts, lb.....	25	75
ANODYNE, Hoffman's bot., lbs.	50	55	Willow, powdered, lb.....	20	25	Thus, lb.....	8	10
ARROWROOT, Bermuda, lb.....	45	50	CLOVE, lb.....	25	30	HERR, Althca, lb.....	27	30
St. Vincent, lb.....	15	18	Powdered, lb.....	30	35	Bitterwort, lb.....	27	30
BALSAM, Fir, lb.....	45	50	COCHINEAL, Honduras, lb.....	40	45	Burdock, lb.....	16	18
Copaiba, lb.....	90	1 00	COLLODION, lb.....	75	80	Boneset, ozs, lb.....	15	17
Peru, lb.....	2 50	2 75	Cantharidal, lb.....	2 50	2 75	Catnip, ozs, lb.....	17	20
Tolu, can or less, lb.....	65	75	CONFECTOR, Senna, lb.....	25	30	Chiretta, lb.....	25	30
BARK, Barbary, lb.....	22	25	Creosote, Wood, lb.....	2 00	2 50	Coltsfoot, lb.....	20	38
Bayberry, lb.....	15	18	CUTTLEFISH BONE, lb.....	35	40	Feverfew, ozs, lb.....	53	55
Buckthorn, lb.....	15	17	DEXTRINE, lb.....	10	12	Grindelia robusta, lb.....	45	50
Canella, lb.....	15	17	DOVER'S POWDER, lb.....	1 50	1 60	Hoarhound, ozs., lb.....	17	20
Cascara Sagrada.....	30	35	ENGOR, Spanish, lb.....	75	80	Jaborandi, lb.....	45	50
Cascarilla, select, lb.....	18	20	Powdered, lb.....	90	1 00	Lemon Balm, lb.....	38	40
Cassia, in mats, lb.....	18	20	ERGOTIN, Keith's, oz.....	2 00	2 10	Liverwort, German, lb.....	40	45
Cinchona, red, lb.....	60	65	EXTRACT, Logwood, bulk, lb.....	13	14	Lobelia, ozs., lb.....	15	20
Powdered, lb.....	65	70	Pounds, lb.....	14	17	Motherwort, ozs., lb.....	20	22
Yellow, lb.....	35	40	FLOWERS, Arnica, lb.....	15	20	Mullein, German, lb.....	17	20
Pale, lb.....	40	45	Calendula, lb.....	55	60	Pennyroyal, ozs., lb.....	17	20
Elm, selected, lb.....	16	18	Chaunomile, Roman, lb.....	30	35	Peppermint, ozs., lb.....	21	25
Ground, lb.....	17	20	German, lb.....	30	35	Rue, ozs., lb.....	30	35
Powdered, lb.....	20	28	Elder, lb.....	20	22	Sage, ozs., lb.....	15	18
Hemlock, crushed, lb.....	18	20	Lavender, lb.....	12	15	Spearmint, lb.....	21	25
Oak, white, crushed, lb.....	15	17	Rose, red, French, lb.....	1 60	2 00	Thyme, ozs., lb.....	18	20
Orange peel, bitter, lb.....	15	16	Rosemary, lb.....	25	30	Tansy, ozs., lb.....	15	18
Prickly ash, lb.....	35	40	Saffron, American, lb.....	35	40	Wormwood, oz.....	20	22
Sassafras, lb.....	13	15	Spanish, Val'a, oz.....	1 25	1 50	Yerba Santa, lb.....	34	44
Soap (quillaya), lb.....	15	18	GELATINE, Cooper's lb.....	1 00	1 95	HONEY, lb.....	15	20
Wild cherry, lb.....	13	15	French, white, lb.....	40	50	HORS, fresh, lb.....	20	25
BEANS, Calabar, lb.....	45	50	GLYCERINE, lb.....	22	25	INDIGO, Madras, lb.....	75	80
Tonka, lb.....	1 25	2 75	GUARANA.....	3 00	3 25	Insect POWDER, lb.....	40	45
Vanilla, lb.....	6 00	9 00	Powdered, lb.....	3 25	3 50	ISINGLASS, Brazil, lb.....	2 00	2 10
BERBERIS, Cubeb, sifted, lb.....	2 50	2 60	GUM ALOES, Cape, lb.....	18	20	Russian, true, lb.....	6 00	6 50
powdered, lb.....	2 60	2 70	Barbadoes, lb.....	30	50	LEAF, Aconite, lb.....	25	30
Juniper, lb.....	10	12	Socotrine, lb.....	65	70	Bay, lb.....	18	20
Ground, lb.....	12	14	Assafutida, lb.....	23	25	Belladonna, lb.....	25	30
Prickly ash, lb.....	40	45	Arabic, 1st, lb.....	1 00	1 10	Buchu, long, lb.....	40	45
BUDS, Balm of Gilead, lb.....	55	60	Powdered, lb.....	1 10	1 20	Short, lb.....	15	18
Cassia, lb.....	25	30	Sifted sorts, lb.....	75	80	Coca, lb.....	55	60
BUTTER, Cacao, lb.....	75	80	Sorts, lb.....	60	75	Digitalis, lb.....	25	30
CAMPHOR, lb.....	65	85	Benzoin, lb.....	50	1 00	Eucalyptus, lb.....	18	20
CANTHARIDES, Russian, lb.....	2 00	2 10	Catechu, Black, lb.....	9	20	Hyoseyanus.....	25	30
Powdered, lb.....	2 10	2 20	Gamboge, powdered, lb.....	1 30	1 35	Matteo, lb.....	70	75
CAPSICUM, lb.....	25	30	Guaicac, lb.....	80	1 10	Senna, Alexandria, lb.....	25	30
Powdered, lb.....	30	35	Powdered, lb.....	90	1 20	Tinnevely, lb.....	15	25
CARBON, Bisulphide, lb.....	16	18	Kino, true, lb.....	45	48	Stramonium, lb.....	20	25
CARMINE, No. 40, oz.....	40	50	Myrrh, lb.....	45	48	Uva Ursi, lb.....	15	18
			Powdered, lb.....	55	60	LEECHES, Swedish, doz.....	1 60	1 10
			Opium, lb.....	4 50	4 75	LICORICE, Solazzi.....	45	50
			Powdered, lb.....	6 00	7 00	Pignatelli.....	35	40
			Scammony, pure Resin, lb.....	12 80	13 00	Grasso.....	30	35
			Shellac, lb.....	35	40	LUPULIN, oz.....	30	35

LYCOPodium, lb.	70	80	SACCHARIS, oz.	1 00	2 00	CADMIUM, Bromide, oz.	20	25
MACE, lb.	1 00	1 10	SEED, Anise, Italian, sifted, lb.	13	15	Iodide, oz.	45	50
MANNA, lb.	1 60	1 75	Star, lb.	35	40	CALCIUM, Hypophosphite, lb.	1 50	1 60
MOSS, Iceland, lb.	9	10	Burdock, lb.	30	35	Iodide, oz.	95	1 00
Irish, lb.	9	10	Canary, bag or less, lb.	4	5	Phosphate, precip., lb.	35	38
MUSK, Tonquin, oz.	46 00	50 00	Caraway, lb.	10	13	Sulphide, oz.	5	6
NUTGALLS, lb.	21	25	Carduom, lb.	1 25	1 50	CERIUM, Oxalate, oz.	10	12
Powdered, lb.	25	30	Celery	20	25	CHITOSINE, oz.	15	18
NUTMEGS, lb.	1 00	1 10	Colecium	1 25	1 30	CHLORAL, Hydrate, lb.	1 25	1 50
NUX VOMICA, lb.	10	12	Coriander, lb.	10	12	Croton, oz.	75	80
Powdered, lb.	22	25	Cumin, lb.	15	20	CHLOROPHUM, lb.	50	1 75
OAKUM, lb.	12	15	Fennel, lb.	15	17	CINCHONINE, sulphate, oz.	25	30
ONIENT, Merc., lb. $\frac{1}{2}$ and $\frac{1}{4}$	70	75	Flaxgreek, powdered, lb.	7	9	CINCHONINE, Sulph., oz.	15	20
Citrine, lb.	45	50	Flax, cleaned, lb.	3 $\frac{1}{2}$	4	COCAINE, Mur., oz.	6 00	7 00
PARALDEHYDE, oz.	18	20	Ground, lb.	4	5	COPPER, Sulph. (Blue Vitrol) lb.	7	8
PEPPER, black, lb.	22	25	Hemp, lb.	5	6	Iodide, oz.	65	70
Powdered, lb.	25	30	Mustard, white, lb.	9	12	COPPERAS, lb.	1	3
PITCH, lb.	3	4	Powdered, lb.	15	20	ETHER, Acetic, lb.	75	80
Bergundy, true, lb.	10	12	Pumpkin,	25	30	Sulphuric, lb.	35	40
PLASTER, Calcined, lbd.	2 50	3 50	Quince, lb.	40	50	EXALGINE, oz.	1 25	1 50
Adhesive, yd.	12	13	Rape, lb.	8	9	HYOSCYAMINE, Sulp., crystals, gr.	25	30
Belladonna, lb.	65	70	Strophanthus, oz.	50	55	IODINE, Resublimed, lb.	5 00	5 50
Galbanum Comp., lb.	80	85	Worm, lb.	22	25	IODOPHUM, lb.	6 00	7 00
Lead, lb.	25	30	SEIDLITZ MIXTURE, lb.	25	30	IODOL, oz.	1 30	1 40
POPPY HEADS, per 100	85	90	SOAP, Castile, Mottled, pure, lb.	10	12	IRON, by Hydrogen	1 00	1 10
ROBIN, Common, lb.	24	3	White, Conti's, lb.	10	17	Carbonate, Precip., lb.	15	16
White, lb.	31	4	Powdered, lb.	25	35	Succ., lb.	35	40
RESORCIN, White, oz.	25	30	Green (Sapo Viridis), lb.	12	25	Chloride, lb.	45	55
ROCHELLE SALT, lb.	30	32	SFERMACETI, lb.	55	60	Sol., lb.	13	16
ROOT, Aconite, lb.	22	25	TURPENTINE, Chian, oz.	75	80	Citrate, U. S. P., lb.	90	1 00
Althca, cut, lb.	30	35	Venice, lb.	10	12	And Ammon., lb.	75	80
Belladonna, lb.	25	30	WAX, White, lb.	50	75	And Quinine, lb.	1 50	3 00
Blood, lb.	10	15	Yellow	40	45	Quin. and Stry., oz.	35	40
Bitter, lb.	27	30	WOOD, Guaiac, rasped	5	6	And Strychnine, oz.	13	15
Blackberry, lb.	15	18	Quassia chips, lb.	10	12	Dialyzed, Solution, lb.	50	55
Burdock, crushed, lb.	18	20	Red Saunders, ground, lb.	5	6	Ferrocyanide, lb.	55	60
Calamus, sliced, white, lb.	20	25	Santal, ground, lb.	5	6	Hypophosphites, oz.	20	25
Canada Snake, lb.	30	35	CHEMICALS.					
Coloshi, Black, lb.	15	20	Acid, Acetic, lb.	10	12	Syrup, lb.	45	50
Colecium, lb.	40	45	Glacial, lb.	45	50	Lactate, oz.	5	6
Columbo, lb.	20	22	Benzoic, English, oz.	20	25	Permanganate, solution, lb.	15	16
Powdered, lb.	25	30	German, oz.	10	12	Phosphate scales, lb.	75	80
Coltsfoot, lb.	38	40	Boric, lb.	20	25	Sulphate, pure, lb.	7	9
Comfrey, crushed, lb.	20	25	Carbolic Crystals, lb.	45	50	Exsiccated, lb.	8	10
Curcuma, powdered, lb.	13	14	Calvert's No. 1, lb.	2 10	2 15	And Potass. Tartrate, lb.	80	85
Dandelion, lb.	15	18	No. 2, lb.	1 35	1 40	And Ammon. Tartrate, lb.	85	90
Elecaupane, lb.	15	10	Citric, lb.	60	65	LEAD, Acetate, white, lb.	13	15
Galangal, lb.	15	18	Gallic, oz.	10	12	Carbonate, lb.	7	8
Gelsemium, lb.	22	25	Hydrobromic, diluted, lb.	30	35	Iodide, oz.	35	40
Gentian, lb.	9	10	Hydrocyanic, diluted, oz. bot-	1 50	1 50	Red, lb.	7	9
Ground, lb.	10	12	tles doz	22	25	LIME, Chlorinated, bulk, lb.	3 $\frac{1}{2}$	4
Powdered, lb.	13	15	Lactic, concentrated, oz.	22	25	One lbs.	6	7
Ginger, African, lb.	11	12	Muriatic, lb.	3	5	LITHIUM, Bromide, oz.	40	45
Po., lb.	13	15	Chem. pure, lb.	18	20	Carbonate, oz.	30	35
Jamaica, bleid., lb.	22	25	Nitric, lb.	10 $\frac{1}{2}$	13	Citrate, oz.	25	30
Po., lb.	28	30	Chem. pure, lb.	25	30	Iodide, oz.	50	55
Ginseng, lb.	4 00	4 10	Oleic, purified, lb.	75	80	Salicylate, oz.	35	40
Golden Seal, lb.	90	1 00	Oxalic, lb.	13	15	MAGNESIUM, Calc., lb.	55	60
Gold Thread, lb.	60	65	Phosphoric, glacial, lb.	1 00	1 10	Carbonate, lb.	18	20
Hellebore, White, powd., lb.	12	15	Dilute, lb.	13	17	Citrate, gran., lb.	40	45
Indian Hemp	18	30	Pyrogallic, oz.	40	50	Sulph. (Epsom salt), lb.	1 $\frac{1}{2}$	3
Ipecac, lb.	2 50	2 90	Salicylic, white, lb.	2 00	2 65	MANGANESE, Black Oxide, lb.	5	7
Powdered, lb.	2 70	3 00	Sulphuric, carboy, lb.	2 $\frac{1}{2}$	2 $\frac{1}{2}$	Lb.	30	35
Jalap, lb.	35	40	Bottles, lb.	5	6	MENTHOL, oz.	4 00	4 25
Powdered, lb.	38	45	Chem. pure, lb.	18	20	MERCURY, lb.	90	95
Kava Kava, lb.	40	50	Tannic, lb.	1 10	1 25	Ammon (White Precip.),	1 50	1 60
Licorice, lb.	12	15	Tartaric, powdered, lb.	45	50	Chloride, Corrosive, lb.	1 10	1 15
Powdered, lb.	13	15	ACETANILID, oz.	10	12	Calomel, lb.	1 50	1 60
Mandrake, lb.	13	18	ACONITINE, grain	4	5	With Chalk, lb.	65	70
Masterwort, lb.	16	40	ALUM, cryst., lb.	1 $\frac{1}{2}$	3	Iodide, Proto, oz.	35	40
Orris, Florentine, lb.	15	20	Powdered, lb.	3	4	Bin., oz.	30	35
Powdered, lb.	20	22	AMMONIA, Lignor, lb.	12	15	Oxide, Red, lb.	1 30	1 35
Parcira Brava, true, lb.	40	45	AMMONIUM, Bromide, lb.	65	75	Pill (Blue Mass), lb.	70	75
Pink, lb.	75	80	Carbonate, lb.	12	13	MILK SUGAR, powdered, lb.	50	55
Parsley, lb.	30	35	Iodide, oz.	35	40	MORPHINE, Acetate, $\frac{1}{2}$ ozs., oz.	2 15	2 25
Pleurisy, lb.	20	25	Nitrate, crystals, lb.	40	45	Muriate $\frac{1}{2}$ ozs., oz.	2 15	2 25
Poke, lb.	15	18	Muriate, lb.	12	16	Sulphate, $\frac{1}{2}$ ozs., oz.	2 25	2 50
Queen of the Meadow, lb.	18	20	Valerianate, oz.	55	60	PRUSSIAN, Saccharated, oz.	35	40
Rhatany, lb.	20	30	AMYL, Nitrite, oz.	16	18	PILOCARPINE, Muriate, grain	5	6
Rhubarb, lb.	75	2 50	ANTIPYRIN, oz.	1 10	1 15	PIPERIN, oz.	1 00	1 10
Sarsaparilla, Hond, lb.	40	45	ARSENIC, Donovan's sol., lb.	25	30	PHOSPHORUS, lb.	90	1 10
Cut, lb.	50	55	Fowler's, sol., lb.	13	15	POTASSA, Caustic, white, lb.	55	60
Senega, lb.	55	65	Iodide, oz.	35	40	POTASSIUM, Acetate, lb.	35	40
Squill, lb.	13	15	White, lb.	6	7	Bicarbonate, lb.	17	20
Stillingia, lb.	22	25	ATROPINE, Sulp., in $\frac{1}{2}$ ozs., oz.	7 00	8 00	Bichromate, lb.	12	13
Powdered, lb.	25	27	BISMUTH, Ammonia-citrate, oz.	40	45	Bitrat (Cream Tart.), lb.	28	30
Unicorn, lb.	38	40	Subcarbonate, lb.	2 75	3 00	Bromide, lb.	45	50
Valerian, English, lb true	20	25	Subnitrate, lb.	2 40	2 60	Carbonate, lb.	11	16
Virginia Snake, lb.	40	45	BORAX, lb.	11	12	Chlorate, Eng. lb.	18	20
Yellow Dock, lb.	15	18	Powdered, lb.	13	15	Powdered, lb.	23	25
RYE, Bay, gal.	2 00	2 25	BROMINE, oz.	8	10	Citrate, lb.	75	90
Essence, lb.	3 00	3 25				Cyanide, fused, lb.	40	55

Hypophosphites, oz.	10	12	Chloride, granular, oz.	13	15	Neroli, oz.	4	25	4	50			
Iodide, lb.	3	75	4	00	Iodide, oz.	60	65	Orange, lb.	3	75	5	00	
Nitrate, gran., lb.	8	10	Oxide, lb.	13	60	Sweet, lb.	3	25	3	50			
Pernanganate, lb.	65	70	Sulphate, lb.	9	11	Origanum, lb.	65	70	Patchouli, oz.	1	75	1	80
Prussiate, Red, lb.	50	55	Valerianate, oz.	25	30	Pennyroyal, lb.	2	00	2	00	2	10	
Yellow, lb.	32	35	ESSENTIAL OILS.			Peppermint, lb.	3	50	3	50	4	00	
Am. Sod. Tartrate, lb.	30	35	Oil, Almond, bitter, oz.	75	80	Pimento, lb.	2	60	2	60	2	75	
Sulphuret, lb.	25	30	Sweet, lb.	50	60	Rhodium, oz.	80	85	Rose, oz.	6	00	9	00
PROPYLAMINE, oz.	35	40	Amber, crude, lb.	40	45	Rosemary, lb.	70	75	Rue, oz.	25	30		
QUININE, Sulph., bulk, oz.	40	45	Rect., lb.	65	70	Sandalwood, lb.	5	50	5	50	9	00	
Ozs., oz.	45	50	Anise, lb.	2	75	Sassafras, lb.	65	70	Savin, lb.	1	60	1	75
QUINIDINE, Sulphate, ozs., oz.	16	20	Bay, oz.	50	60	Spearmint, lb.	6	00	6	00	6	25	
SALICIN, oz.	22	25	Bergamot, lb.	4	25	4	50	65	65	70			
SANTONIN, oz.	20	22	Cade, lb.	50	55	Spruce, lb.	65	70	Tansy, lb.	4	25	4	50
SILVER, Nitrate, cryst., oz.	90	95	Cajuput, lb.	1	80	1	90	1	80	1	00	1	00
Fused, oz.	95	1	00	Capsicum, oz.	60	65	Thyme, white, lb.	1	80	1	80	1	00
SODIUM, Acetate, lb.	30	35	Caraway, lb.	3	50	3	75	3	75	3	50	3	50
Bicarbonate, kgs., lb.	2	50	2	75	Cassia, lb.	1	50	1	60	1	50	1	60
Bromide, lb.	63	65	Cinnamon, Ceylon, oz.	1	50	1	60	1	50	1	60	1	60
Carbonate, lb.	3	6	Citronelle, lb.	70	75	Clove, lb.	2	25	2	40	2	40	
Hypophosphite, oz.	10	12	Copaiha, lb.	1	60	1	75	1	60	1	75		
Hyposulphite, lb.	3	6	Croton, lb.	1	50	1	75	20	00	22	00		
Iodide, oz.	40	45	Cubeb, lb.	20	00	22	00	5	50	6	00		
Salicylate, oz.	15	17	Comin, lb.	5	50	6	00	20	25				
Sulphate, lb.	2	3	Erigeron, oz.	20	25	Eucalyptus, lb.	2	00	2	10			
Sulphite, lb.	10	12	Fennel, lb.	1	60	1	75	1	75	1	80		
SPIRIT NITRE, lb.	27	50	Geranium, oz.	1	75	1	80	3	20	3	50		
STRONTIUM, Nitrate, lb.	18	20	Rose, lb.	3	20	3	50	4	50	5	00		
STRYCHNINE, crystals, oz.	1	10	1	20	Juniper berries (English), lb.	4	50	70	75				
SULFONAL, oz.	60	70	Wood, lb.	70	75	Lavender, Chiris. Fleur, lb.	3	00	3	50			
SULPHUR, Flowers of, lb.	3	4	Lavender, Garden, lb.	1	50	1	75	2	00	2	25		
Pure precipitated, lb.	13	20	Lemon, lb.	2	00	2	25	1	50	1	60		
TARTAR EMETIC, lb.	50	55	Lemongrass, lb.	1	50	1	60	60	65				
THYMOL, (Thymic acid), oz.	60	65	Mustard, Essential, oz.	60	65	Neroli, oz.	4	25	4	50			
VERATRINE, oz.	2	00	2	10									
ZINC, Acetate, lb.	70	75											
Carbonate, lb.	25	30											

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