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# MONTREAL Pharmaceutical JOURNAL

ESTABLISHED 1890.

A Monthly Journal of Chemistry, Pharmacy and Materia Medica.  
OFFICE OF PUBLICATION 171 ST. JAMES STREET, MONTREAL, CANADA.

Vol. IV—No. 2.

MAY, 1893.

Terms: \$1.00 per annum.

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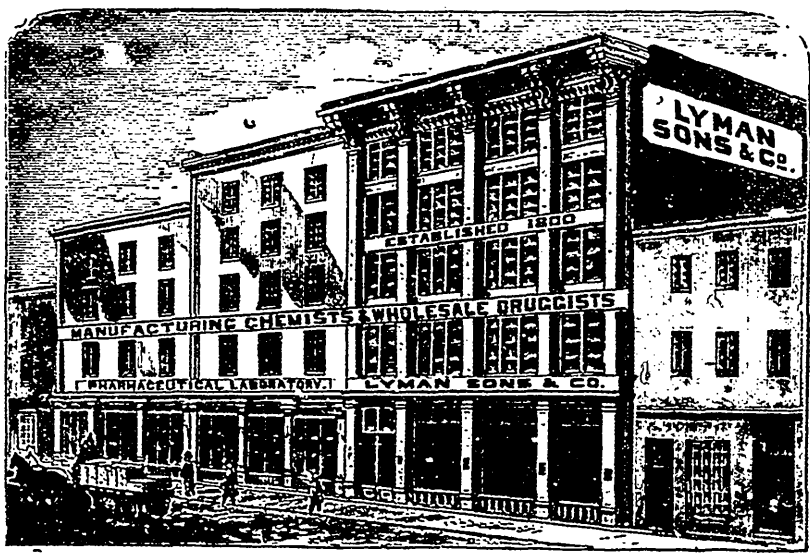
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For Rheumatism,  
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For Coughs, Colds and Consumption,  
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It is warranted to cure the worst case of PILES or the most obstinate SKIN DISEASE.

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Are prepared to furnish the trade either in Dozen, One Gross or Five Gross lots, on the most favorable terms.

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Guaranteed PURE and FRESH.

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WE GUARANTEE OUR OILS TO BE  
ABSOLUTELY PURE.

WE will be pleased to furnish quotations upon application to our New York house, where we carry a complete stock.

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	N. Y. PRICES.	
McAllister's Mocking Bird Food,—		
1 lb jars, per doz. \$2.50 (In ¼ gross case) per gross,		\$27.00
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¼ gross cases.....	per case,	1.25
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36 one lb boxes.....	"	2.16
McAllister's Mixed Bird Seed,—		
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In bellows box, per doz. boxes, \$1.50	Per gross,	16.00
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The above articles can be obtained from all  
Wholesale Druggists.

A. E. McALLISTER, Seed Mcht. & Importer,  
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# WATSON'S Cough + Drops

Are warranted to give IMMEDIATE RELIEF to those suffering from  
COLD, HOARSENESS, SORE THROAT, Etc.

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They allay irritation and produce a soothing effect upon the vocal organs. Public  
Speakers and Singers find them of great value in clearing  
and strengthening their voices.

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None Genuine unless the letters "R. & T. W." are Stamped on each Drop.

R. & T. WATSON, Wholesale Confectioners,  
75 FRONT ST. E., - TORONTO.

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# Gibbons'

## Tooth - Ache

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# GUM.

Price per dozen, - - - - \$1.00

Manufactured by **J. A. GIBBONS & CO., Druggists,**  
**TORONTO.**

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For Sale by all WHOLESALE DRUGGISTS.

## STEEDMAN'S Soothing Powders,

FOR CHILDREN OUTTING TEETH.  
IN USE OVER 50 YEARS.

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Stamp affixed to each packet

## Heisel's Digestive Chewing Gum.

Each Stick contains one grain pure Pepsin, sufficient  
to digest 2,500 grains of Coagulated Egg Albumen in 6 hours.  
Recommended by Physicians for the cure of **Indigestion, Dyspepsia and Heart Burn.**

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**C. T. HEISEL,**  
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*Sold by all Druggists.*

### SPECIAL OFFER.

To Druggists outside of the Cities  
of MONTREAL and QUEBEC.

Send your Jobber an order for 3 doz. **NERVOL** at 1.75  
per dozen, and he will send you a **HANDSOME SILK  
EIGHT STEEL RIB UMBRELLA**, one that you will  
be proud to carry.

Now is the season for Toothache and Neuralgia, and  
"NERVOL" is the best seller on the market to-day. Un-  
like other preparations, it never fails to cure by simply ap-  
plying a little on the cheek outside. You need have no  
hesitation in recommending it, as it will surely give satisfac-  
tion. It is at present extensively advertised in the Province  
of Quebec and will shortly be well advertised in the other  
Provinces. It is neatly put up and can be had from all  
Wholesale Druggists, or from

**JOHN T. LYONS, Gen. Craig & Bleury Streets, MONTREAL.**

## DENT'S Toothache Gum

**STOPS  
TOOTHACHE  
INSTANTLY.**



(A SWELL AFFAIR.)

This is not a  
Chewing Gum.

**BEWARE OF IMITATIONS.**

# MILLARD MANUFACTURING CO.

47 SPRAGUE STREET, PROVIDENCE, R.I.

MANUFACTURERS OF

## SYRINGES ATOMIZERS,

AND ALSO WORKERS IN WHITE METALS.



No. 1—TOILET.



No. 3—NASAL.



No. 6—LARYNX.

**W**e claim for our Syringes, superiority over all others. They are connected by Elastic Packing instead of Screw Threads, and the connecting pipe can be quickly and easily inserted in socket, where it is firmly held in place, the joints being perfectly tight and remaining so. The valves are secured and cannot be lost. We use the best quality of rubber. Physicians recommend our Syringes as perfect in cleanliness, efficiency and durability.

The advantages of our ATOMIZER over all others is its Continuous Spray. Having but one Atomizing Point, it is less liable to get out of order, and being made of the best material, combined with its simplicity, neatness and durability, make it one of the most PERFECT ATOMIZERS in use.

**DRUGGISTS' CONFECTIONERY**

# ROBERT GIBSON & SONS

**Medicated Lozenge Manufacturers,**

**CARLETON WORKS, ERSKINE STREET, HULME, - - MANCHESTER, ENGLAND.**  
**And 1 GLASSHOUSE YARD, ALDERSGATE STREET, - - LONDON, " "**

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## SUPERIOR BOILED SUGARS

Have gained a high reputation everywhere. They are put up in 1 lb., 2 lb. and 5 lb. bottles. Packed in casks or in 1 doz. cases as required. These sweets are absolutely pure, and we specially recommend

<b>Lime Fruit Tablets,</b>	<b>Acid Drops,</b>	<b>Lemon Tablets,</b>
<b>Everton Toffy,</b>	<b>Tip Top Tablets,</b>	<b>Malt Tablets,</b>
<b>Mixed Fruit Drops,</b>	<b>Gibson's Cough Drops,</b>	<b>Butter Scotch Drops,</b>
<b>Rose Drops.</b>	<b>Raspberry Drops.</b>	<b>Strawberry Drops.</b>

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## HIGH-CLASS LOZENGES

*OF EVERY DESCRIPTION.*

### **Chlorodyne Cough Lozenges, Chlorodyne Jujubes, Peppermint Lozenges**

In every variety of size and strength. Curiously strong, and Multum in Parvo Mints give the utmost satisfaction. Medicated Lozenges of Pharmacopœia strength.

### **DIGESTIVE TABLETS,**

### **Voice and Throat Lozenges,**

*For Singers and Public Speakers.*

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## ORIGINAL SUGAR WORM CAKES

Have an immense sale, both at home and abroad; will keep in any climate, and give entire satisfaction. Put up in tins containing 3 doz., 6 doz., and 12 doz. cakes.

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## THROAT HOSPITAL LOZENGES

*(As per T. H. Pharmacopœia.)*

All Lozenges are sent out in 1 lb., 2 lb. and 4 lb. bottles. (Bottles free.) Proprietary Lozenges carefully prepared, stamped, and cut to any size or shape.

**SOLD BY ALL THE BEST WHOLESALE HOUSES IN CANADA.**

N.B.—It having come to the notice of Messrs. ROBT. GIBSON & SONS, that some makers are not only closely imitating their label, but are actually putting their goods in Gibson's bottles, Chemists are respectfully informed that every original bottle of Gibson's is capsuled, and moreover, every Drop and Tablet is stamped "Gibson," without this none is genuine,



# THOMAS BIGG'S Sheep-Dipping Composition,

For the DESTRUCTION of TICK, LICE, etc., and for the PREVENTION of FLY, SCAB, etc., also his

## SPECIFIC OR LOTION

For Scab in Sheep, and Mange in Horses or Dogs, and

## FOOT-ROT LOTION

Manufactory: Great Dover Street, BOROUGH, LONDON, ENGLAND

Sub-Agents required throughout Canada; Kindly apply to

**MESS. LYMAN, SONS & CO.,**

382 St. Paul Street, - - (Sole Agents,) MONTREAL.

For Terms and Printed matter.

**DON'T WAIT FOR** **Baldness.**

**Prevent It!**

**P**  **ack**

DERMATOLOGISTS TELL US THAT:  
"Dandruff, if neglected, ends in baldness"; to remove and prevent dandruff, and to maintain the strength of the hair, "thorough shampooing at regular intervals is necessary," and that the "best agents" for the purpose are "pure," "good," "mild," "antiseptic" "SOAP and water."

THAT THESE QUALITIES ARE COMBINED IN

**acker's Tar Soap**



Is evidenced by the fact that it is extensively prescribed by the medical profession as a preventive of and remedy for dandruff and baldness. 25 cents. All druggists, or THE PACKER MFG. CO. 100 Fulton St. N. Y.

## Rhum du Saint Père

**W**HAT excellent brand is a blend of the very best Rums of Martinique. It possesses an unrivalled aroma and is highly appreciated.

**LYMAN, SONS & CO.**  
Agents.

## Tomlinson & Hayward, LINCOLN, ENGLAND.

Tomlinson & Co's Butter Powder put up in 6d, 1/-, 2/6 and 7/6 boxes. To be used when churning.

Tomlinson & Co's Butter Color—A pure vegetable preparation. In 6d. and 1/- bottles.

Tomlinson & Co's Preservative—For keeping milk and cream fresh in the hottest weather, preserves fish, meat, &c., &c. In 6d and 1/- boxes.

Agents, . . . **LYMAN, SONS & CO.**

One of the Best Selling Articles on the Market To-day.

**DR. T. A. SLOCUM'S**

OXYGENIZED EMULSION OF

**Cod Liver Oil**

Since the small (**35 Cent**) size was put on the market, the demand has been wonderful.

Every bottle of the small size sold, will sell several of the large.

It is the best Emulsion of Cod Liver Oil made, a fact that is abundantly testified to by leading Physicians and Pharmacists.

When you sell an Emulsion of Cod Liver Oil you should sell the best.

**SEVEN REASONS WHY**

**SLOCUM'S OXYGENIZED EMULSION**

Meets all the Requirements of a perfect Emulsion :

- 1st. Because of the absolute purity of the ingredients used.
- 2nd. Because it is carefully and accurately prepared.
- 3rd. Because it is perfectly free from disagreeable taste and odour.
- 4th. Because of its fitness for immediate absorption.
- 5th. Because it retains permanently all its qualities.
- 6th. Because it contains no Hypophosphites of Lime and Soda.
- 7th. Because the price is as low as is consistent with merit.

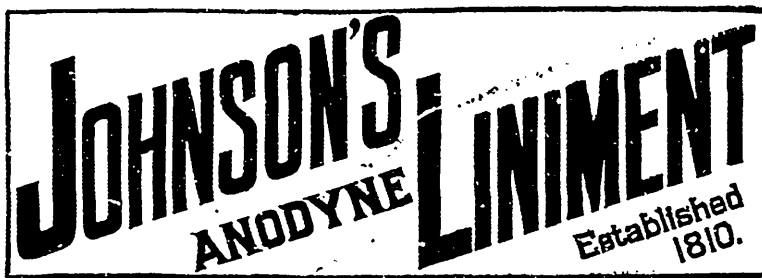
**IT IS THE ONLY ABSOLUTELY PURE EMULSION MANUFACTURED.**

For sale by all the leading Wholesale Houses in Canada, or DIRECT.

We pay charges on all Cash Orders.

**T. A. SLOCUM & CO.,**

186 Adelaide St. West,



ORIGINATED BY AN OLD FAMILY PHYSICIAN.  
 GENERATION AFTER GENERATION HAVE USED AND BLESSED IT.

**Every Mother** Should have Johnson's Anodyne Liniment in the house for Croup, Colds, Sore Throat, Tonsilitis, Colic, Cuts, Bruises, Cramps and Pains, liable to occur in any family without notice. Delays may cost a life.

**Every Mechanic**, or person exposed to accidents or injury, Base-Ball players, etc., should keep it near at hand; for it acts promptly, is Soothing, Healing and Penetrating. When once used always used.

**Every Traveller** Should have a bottle in their satchel. It can be used Internally or Externally in more cases than any other medicine. Cures head-aches if inhaled.

**Every Sufferer** From Rheumatism, Sciatica, Neuralgia, Nervous Headache, Diphtheria, Coughs, Catarrh, Bronchitis, Asthma, Cholera-Morbus, Diarrhoea, Lameness or Soreness in Body or Limbs, Stiff Joints or Strains will find in this old Anodyne relief and speedy cure.

**THE REASON WHY**—Generation after Generation have Used and Blessed Johnson's Anodyne Liniment, is because it cures when all other remedies fail. It was devised and used for years in the private practice of old Dr. Johnson, to treat inflammation liable to afflict any person on earth; and which cause the danger in all the above troubles. The medical advice around each bottle is worth ten times the price.

**How to Use Economically.** Advice sent free. All who buy direct from us, and request it, shall receive a certificate that the money will be refunded if not abundantly satisfied. Price, 35 cts. by mail; 6 bottles, \$2.00. Express prepaid to any part of the United States or Canada. Duty also paid. **I. S. JOHNSON & CO., Boston, Mass.**

**TIME AND CASH PRICE LIST**

**Johnson's Anodyne Liniment, Parsons' Pills and Sheridan's Condition Powder.**

ALL ORDERS PAYABLE IN FOUR MONTHS AT THE PRICES INVOICED.

If not paid in FOUR MONTHS six per cent interest added to each invoice.

If paid in Ten Days from date of invoice, THREE per Cent rebate allowed. Otherwise no allowance.

**JOHNSON'S ANODYNE LINIMENT.**

One Dozen or more.....	Four Months,	\$2.00 per dozen.....	If Cash, 3 per cent. off.
Six " " .....	" " .....	22.50 per gross .....	" " "
Two Gross " .....	" " .....	21.60 " .....	" " "
Five " " .....	" " .....	21.00 " .....	" " "

**PARSON'S PURGATIVE PILLS.**

One Dozen or more.....	Four Months,	\$1.60 per dozen.....	If Cash, 3 per cent. off.
Three " " .....	" " .....	1.40 " .....	" " "
One Gross " .....	" " .....	16.50 per gross .....	" " "

**SHERIDAN'S CONDITION POWDER.**

SMALL	One Dozen or more... Four Months,	\$1.60 per dozen.....	If Cash, 3 per cent. off.
	Three " " .....	" " .....	1.40 " .....
	One Gross " .....	16.50 " .....	" " "
LARGE	One Dozen or more... Four Months,	\$8.50 per dozen.....	If Cash, 3 per cent. off.
	Three " " .....	" " .....	8.00 " .....

**NOTE.**—We shall allow the larger quantity Time or Cash prices, on assorted orders made up of any or all of the above articles, when ordered at one time, if the order amounts to \$125.00 or more at the Four Months prices.

# MONTREAL PHARMACEUTICAL JOURNAL.

VOL. IV—No. 2.

MAY, 1893.

\$1.00 per annum.

## The Montreal Pharmaceutical Journal.

171 St. James St., Montreal, Canada.

JOSEPH E. MORRISON, Editor.

Subscription. \$1.00 per Annum.

Advertising Rates will be made known on application.

All remittances, matters intended for publication, new advertisements or changes should be addressed.

MONTREAL PHARMACEUTICAL JOURNAL.

P. O. Box 1244, Montreal.

F. I. BENEDICT, Secretary.

IN our last number we placed before our readers a few remarks in regard to "Substitution," and closed them by suggesting a motto to the profession, *i. e.*, "No Substitution." What we have had to say upon this subject has been well received by the majority and applauded by those whose opinion is valuable and whose experience and principles aid to give weight to their judgment in a matter of this sort. We have received adverse criticism, but no consecutive, good argument, to permit of or maintain the idea that it is right to deceive those who enter a drug store to buy something they want, and who have the cash in their hands to pay for it together with the conviction that the druggist they patronize is dependable and worthy of confidence.

We give another instance, and one which may serve to guide our readers' ideas towards the conclusion that a very little step one way or the other may take one from truth to untruth—from honest, upright business methods to the reverse. How near the line are we treading?

Customer—"I want a bottle of Hood's Sarsaparilla."

Druggist—"Let me see; I don't believe I have it. But I have something much better. This sarsaparilla contains more real medicinal property than Hood's, and the price is the same. Won't you try it?"

Customer—"No. I want Hood's. I have taken one bottle and it did me good, and I am going to continue."

Druggist—"Well, I don't think you will get it in town, and I can assure you this is as good and better. I know what it contains, and will guarantee it will do more good than the other, &c., &c., &c."

Customer—"Oh! I can get it up the street. I saw several bottles in the window of the other drug store, and will just drop in there as I go home and buy one."

Druggist (who has two or three dozen in his back store all the while) calls out to his clerk—"Charlie, take a good look and see if there is not a bottle of Hood's Sarsaparilla left that we can let this lady have."

Charlie reappears with a bottle and the customer gets what is wanted.

"Make the best profit you can, but when salesmanship and good address will not secure it, take a lesser margin by all means rather than resort to falsehood for a few cents additional."

This sentence is the verdict of a man who occupies a noted position and who for years has been in the drug business.

In Montreal there is comparatively little substitution going on; yet it is more than likely that the entire retail trade of the Dominion will have meted out to them by the leading patent medicine manufacturers a severe punishment because a number have taken up substitution as a first principle. It is now on the tapis to charge \$1.00 preparations at \$10.00 per dozen and other prices, 50c and 25c articles proportionately. The various proprietors feel that they have nothing to thank the druggists for, and the feeling is growing upon them that what is sold is supplied in response to an *absolute determined demand* created by and maintained by their enormous advertising. They estimate that at least

one-third of the "calls" are lost through the action of druggists in substituting imitations or similar articles and upon which the retailer scores a greater profit. If substitution is not going on to the extent believed, and if the trade realize the blow this contemplated action will be to them in general, let some stand be taken in the matter to avert the prospective loss.

These columns are open to all, and we shall be pleased to have an expression of opinion on the matter.

It must not be forgotten that there is a great distinction between legitimately selling anything one may keep in stock and upon which the profit is an inducement to push, and the resort to untruth, misrepresentation and unbusiness-like methods. Every retailer is wise indeed to prepare, and to have prepared for himself, nice specialties—cough medicines, pills, sarsaparilla, &c., &c. But sell what you have for sale—uprightly and honestly upon their merits—upon their appearance and "get up." When you have three dozen of Hood's Sarsaparilla in your store—when you are definitely asked for it and your advice *is not sought*, don't say "I have none to-day: will you not take mine, as I cannot supply the other?" This constitutes earning money by falsehood, and a degradation to pharmacists, when it is possible for the patent medicine people to say that it is done generally or to any extent. Do business honestly and truthfully and you have the respect of the community.

The writer came across an instance worthy of mention in connection with the idea that it "pays" to respond fairly to the consumer:

Lady—"I want a bottle of Covernton's tooth wash. Have you got it, or shall I have to go to Mr. Covernton's store for it?"

Druggist—"I think we have it. (Produces it from the shelves.) We always keep what is asked for. The price is 25c."

Lady—"Don't you make one of your own?"

Druggist—"Yes." (Produces it)

Lady—"Which is the best? Which would you advise me to take?"

Druggist—"If you have been accustomed to Covernton's you will perhaps be better suited with the same. I think mine is a good article, but I want my customers to be suited in every case and think you had better continue what you are in the habit of using and what you like."

The lady took Covernton's, but was struck with

the manly, business like, agreeable and satisfactory manner in which she was treated and returned a few days afterwards, purchased a bottle of the other wash, and finally became a customer for all her wants of the man who was ready to treat any one who entered his store upon a basis that completely obliterated from an ordinary vision the view of, an unpleasant effort, to gain a few cents additional profit. A perfect "hurdle race" for cents, and a really practical oversight of the bright, shining dollars passed by at each jump.

This man was "brought up" in the business by a prominent Woodstock druggist, who was radically opposed to anything with an irregular appearance. He would discharge a clerk who interfered with the expressed wish of any one who patronized his store and, as a matter of fact, some of the best men in the business to-day hail from Woodstock, and the early inculcation of good principles at the hands of their first master has assisted in no small degree to their success in life.

The absolute dishonest feature in the practice of substitution is in the compounding of prescriptions and when one ingredient is substituted for another. This is worse than dishonest. It is criminal to trifle with life and hamper the wonderful possibilities secured through medical research. To deprive a human being of a chance of life or to deprive one, of relief from hours or days or weeks of suffering and anguish, and for the sake of a small additional profit, is to do what cannot be too harshly condemned. Happily there is little of this known to be practiced. Yet let us ask how many seriously think how wrong they are doing in selling or dispensing weak or cheap tinctures? Unwittingly, wrong is done by many in not being more particular in following strictly the Pharmacopœia in the matter of tinctures as well as with other articles. The druggist has a place—by right—in the world of business. He is a requirement all over the civilized globe. He cannot be "done without," but, entitled as he may be, to fair and just recompense for his time and material and in addition reasonable consideration for his professional or educational attainments, (which, applied in the daily avocation of his legitimate mission, are indeed valuable,) he must not abuse his position, and, as we view it, must follow at all times a course that will maintain for pharmacy the high standard attained by our predecessors for all. The medical man who becomes known for his unprofessional

practices and conduct has difficulty in making a living, and is despised by the community and his conferees as well. And the pharmacist the physician's near ally—must enjoy the confidence and good opinion of those who are his natural clients, or else his business suffers, and suspicion will travel and hurt those engaged in the business to a much greater extent than in the direction of the doctors of medicine, who have, perhaps, a greater claim to individuality in their profession than can be claimed for the druggists and who are held as responsible, more as a class.

The following appeared recently in the *Canadian Druggist*:

Quite a breeze has been raised amongst the country druggists, and for that matter, amongst the city men also, owing to a large wholesale drug house sending circulars to country doctors offering to supply them on lowest terms. The retail men hold that such petty competition is unworthy of a large wholesale house, particularly as this house sends round travellers to solicit business from the very men it is trying to undersell.

The man who wrote this no doubt tried to be truthful, and we may credit him with believing that he could cause a "breeze" that would ruffle the drug world. Upon enquiry we find the case really a most amusing one. To be brief, the facts are as follows:

1st. No such circular has been issued by any of the Montreal houses.

2nd. A circular *was* issued to druggists and general stores in the Province of Quebec advising the approaching visit of an additional traveller.

3rd. *One* (only) of these trade circulars, through a blunder, found its way to an M.D. (and who was never called upon or sold by the house referred to.)

4th. A country druggist complained to the house and intimated he would remove his account.

5th. The explanation given was deemed satisfactory by the only druggist interested and the account continued as before.

6th. The druggist in question wrote to friends at the moment of his believed trouble and suggested some action be taken, but when he became satisfied, omitted to state in same quarter that no ground existed for endeavoring to attack or punish the house in question.

7th. Third parties full of wrath and condemnation, brought the matter up for action before the Council of the Quebec Association, who wisely

decided it was not a matter for them to waste their time with; a boycott was suggested, but in any case it was resolved to "mind their own business and not to interfere with the affairs of individuals."

8th. Then some two or three, who enjoy unenviable feelings towards the house named, decided to have a meeting of the Montreal retail druggists to condemn—to boycott—to do injury, if possible

The meeting has not taken place and the basis does not exist for the attack, the originator or practically the "complainant" in the case, having found that there was no cause for the complaint. The house in question sells to doctors, surgical instruments and appliances in competition with the instrument dealers in Canada and U. S., but no doctor where there is a druggist, or in the environs of the location of a druggist, can obtain supplies of drugs, etc., from them. If they wished to trade with doctors they could have a thousand on their books in a very brief space of time. They refuse to sell them every day, but this does not hinder at all the ambitious efforts of two or three "busybodies" to discover a case—a single case where they have sold a doctor. If this business was being done with doctors it would be patent to all, and would not require a detective, nor yet, a Christopher Columbus, to make any one particular discovery, but a man's enemies will sometimes go such lengths in their endeavor to do him harm that they will lose the hold they might ordinarily be supposed to have, upon common sense and jump into a ridiculous position in their blind haste. This is an amusing case, and it will be interesting to follow the "breeze." When the dawn breaks and a regiment of soldiers find they have been firing all night at an imaginary enemy, they feel "cheap." Will any one attend better to their own business when it is shown that the house in question is not an enemy—has not been one—and that the supposed injured party is still in the supposed enemy's camp—smoking the pipe of peace?

We refer you to the advertisement of Messrs. Porter, Taskey & Co, Druggists can get their supplies through Lyman Sons & Co. if desired. Send for particulars or prices, and don't let the fishing season pass without availing yourselves of a little of this outdoor pastime, and look up your friends as well.

### B. P. Tinctures.

In view of the action of the Inland Revenue Department in regard to the sale of Tinctures, the tincture tables given below will be of more than usual interest. The law is clear enough upon the subject, and those who have not been doing right for the sake of a little additional gain will have reason, doubtless, to remember the indiscretion.

The medical fraternity have complained—and most justly—that it was a common practice to fill their prescriptions with tinctures of a strength and quality other than the standard—the British Pharmacopœia.

The Department have had samples taken in various places, and there is little doubt but that any druggist who has been making—buying or using special formula tinctures—dispensing or selling

them, labelled simply, "Tincture" or "B. P. Tincture," will have to answer to a serious charge for contravention of the law. The milkman who uses water to dilute his milk, or the paint manufacturer who labels "white lead" that which contains a percentage of baryte or other substance have been punished, and it is not likely that the Government will be more lenient with those who dispense tinctures and have in their hands—life or death—suffering or relief. The man who always supplies B. P. standards is wise to-day, and it should not require the intervention of the Government officers to secure integrity in any direction in the profession. We trust the impression, that the trouble is general, is unfounded, and that very few can be brought to the front as degrading pharmacy without conscience and for paltry sordid reasons.

### TINCTURE TABLES,

BY F. W. FLETCHER, F. C. S.

Table I.—Tinctures in which the amount of spirit can be ascertained by simple distillation.

STANDARD TINCTURE.	I. Sp. gr. of Spirit used.	II. Sp. gr. of Tincture.	III. Sp. gr. of Distillate.	IV. Proof Spirit indicated per cent by volume.	V. Solid Ingredients used, p. c.	VI. Solid residue dried at 45° to 50° C. per cent.	VII. Solid residue dried at 120° C. per cent.
Tinct. Aloes.....	·920	·941	·926	95	10	4·51	3·83
" Aurantii.....	·920	·936	·923	97·5	10	3·61	3·04
" Beladonnæ.....	·920	·924	·922	98·3	5	1·48	1·21
" Calumbæ.....	·920	·927	·924	96·6	12·5	1·08	0·94
" Cantharidis.....	·920	·924	·923	97·5	1·25	0·32	0·26
" Cascariellæ.....	·920	·924	·923	97·5	12·5	0·78	0·70
" Catechu.....	·920	·970	·931	90·7	17·5	10·99	9·10
" Chirata.....	·920	·927	·922	98·3	12·5	1·22	1·05
" Cimicifugæ.....	·920	·936	·927	94	12·5	3·82	3·10
" Cinchonæ.....	·920	·952	·931	90·7	20	6·52	5·81
" Cinchonæ co.....	·920	·942	·929	92·4	18·45	4·69	4·07
" Cocci.....	·920	·938	·926	95	12·5	3·57	2·81
" Colchici seminis...	·920	·929	·924	96·6	12·5	1·46	1·10
" Conii.....	·920	·930	·923	97·5	12·5	1·31	0·99
" Croci.....	·920	·933	·925	95·8	5	2·70	2·21
" Digitalis.....	·920	·939	·925	95·8	12·5	4·37	3·77
" Ergotæ.....	·920	·931	·924	96·6	25	2·33	1·88
" Gallæ.....	·920	·966	·933	88·8	12·5	10·82	9·12
" Gelsemii.....	·920	·929	·926	95	12·5	1·71	1·55
" Gentianæ co.....	·920	·940	·924	96·6	12·5	4·86	4·22
" Hyoscyami.....	·920	·935	·924	96·6	12·5	3·56	2·74
" Jaborandi.....	·920	·944	·927	94	25	4·29	4·10
" Jalapæ.....	·920	·936	·924	96·6	12·5	4·34	3·48
" Krameriæ.....	·920	·932	·923	97·5	12·5	2·60	2·28
" Limonis.....	·920	·934	·929	92·4	12·5	1·08	0·80
" Lobeliæ.....	·920	·933	·923	97·5	12·5	2·91	2·01
" Lupuli.....	·920	·941	·929	92·4	12·5	3·65	3·28
" Opii.....	·920	·941	·925	95·8	7·5	4·13	3·98
" Quassiæ.....	·920	·922	·921	99·1	3·75	0·19	0·14
" Scillæ.....	·920	·937	·923	93·3	12·5	3·55	2·50
" Senegæ.....	·920	·934	·924	96·6	12·5	3·40	2·95
" Serpentariæ.....	·920	·928	·926	95	12·5	1·08	0·93
" Stramonii.....	·920	·923	·922	98·3	12·5	0·61	0·50
" Valerianæ.....	·920	·930	·925	95·8	12·5	2·16	1·59

Table 2. Tinctures which require special treatment before the amount of spirit can be ascertained by distillation.

STANDARD TINCTURE.	I. Sp. gr. of Spirit used.	II. Sp. gr. of Tinc- ture.	III. Proof Spirit (by special process) p. c. by volume.	IV Process used in Pe- rmuting Spirit.	V. Solid ingredi- ents used, per cent.	VI. Solid residue dried at 45 to 50° C. per cent.	VII Solid residue dried at 120° C. per cent.
Tinct. Aconiti.....	.838	.855	149.8	A	12.5	2.67	1.90
" Arnicae.....	.838	.844	154	A	5	0.42	0.29
" Asafoetidae.....	.838	.855	150.5	A	12.5	5.60	3.95
" Benzoini composita.	.838	.890	138	A (neutralized)	21.8	14.67	12.13
" Buchu.....	.920	.936	...	B	12.5	2.88	2.49
" Camphorae co.....	.920	.923	99.2	A (neutralized)	1.25	0.72	0.38
" Capsici.....	.838	.842	155.2	A	3.75	0.68	0.40
" Cardamomi co.....	.920	.950	92.3	B	15.65	6.34	4.30
" Cinnamomi.....	.838	.846	153.2	B	12.5	0.68	0.66
" Cubebae.....	.838	.847	152.2	B	12.5	1.42	0.94
" Laricis.....	.838	.846	152.2	A	12.5	1.86	1.62
" Lavandulae co.....	.838	.842	155.2	B	3.42	0.63	0.50
" Myrrhae.....	.838	.845	151	B	12.5	1.96	1.60
" Nucis vomicae.....	.888	.892	123	A	1.5	1.14	1.06
" Pyrethri.....	.838	.852	150	A	20	2.01	1.78
" Rhei.....	.920	.940	97.7	B	13.75	4.30	3.47
" Sennae.....	.920	.967	89.3	B	20	9.72	6.30
" Sumbul.....	.838	.848	152.3	A	12.5	3.22	1.75
" Tolutana.....	.838	.880	147.5	A (neutralized)	12.5	12.00	....
" Valerianae.....	.896	.903	112.3	A (neutralized)	12.5	2.04	1.48
" Zingiberis.....	.838	.842	154.2	B	12.5	0.70	0.40
" " Fortior..	.838	.853	150	B	50	1.73	1.12

**Specific Gravities.**—It must be understood that in every instance these correspond to a temperature of 15.5° C. Column I. of each table indicates the sp. gr. of the spirit used in making the tincture. Column II. of each table represents the sp. gr. of the finished tincture. Too much importance must not be attached to slight deviations in the latter. The percentage of moisture and of soluble matter in the vegetable substances used in tincture-making are always liable to variation, and as such differences would principally affect the sp. gr. of the tincture, to draw a hard-and-fast line would be unreasonable. As a matter of practice, it will probably be found that an allowance of .005 will be more than sufficient to cover any natural discrepancy.

Table II. comprehends those tinctures in which the alcohol cannot be correctly determined by simple distillation, and includes all tinctures prepared with rectified spirit, as well as those containing appreciable quantities of volatile substances which would affect the alcohol value of the distillate as deduced from its specific gravity.

First, as to rectified spirit tinctures free from volatile oil, &c. These are dealt with as follows:—

**Method A.**—(See Table II. Column IV.) Fifty cubic centimetres of the tincture are accurately measured at a temperature of 15.5° C. About 45 c. c. distilled water are then added, and when the mixture has cooled to 15.5° C. it is further diluted to exactly 100 c. c. and distilled as already described. The percentage by volume of proof spirit indicated by the sp. gr. of the distillate at 15.5° C., multiplied by 2, will be the percentage by volume of proof spirit contained in the original tincture. On no account should rectified-spirit tinctures be distilled without dilution, as, unless the apparatus is of the most perfect construction, serious loss of alcohol will certainly occur. Tinctures which contain a volatile acid, such as tinct. benzoin co. and tinct. tolutana, or a volatile alkali, such as tinct. valerianae ammoniata, must, after dilution, be carefully neutralized, as otherwise volatile matter will pass over with the spirit and interfere with the result.

**Method B.**—Tinctures containing an appreciable amount of volatile oil, etc., are best treated in the manner recommended by Allen. Fifty c. c. of the sample are diluted with distilled water to about 200 c. c. This causes a separation of essential oil, resin, as matter, camphor, etc.; a few c.c. of a saturated solution of calcium chloride are then added, the mixture well shaken, and then 4 or 5 c. c. of saturated sodium phosphate solution are introduced. The precipitated calcium phosphate carries down with it the oily matter, etc., hitherto held in suspension, and the mixture will filter bright. The precipitate left on the filter is washed with a small quantity of distilled water, and the filtrate and washings made up to 250 c. c. One hundred cubic centimetres of this are then distilled, and the distillate made up to 100 c. c. The percentage of proof spirit therein, as indicated by the sp. gr. multiplied by 5, will be the percentage by volume of proof spirit contained in the tincture under examination.

**Solid Residue.**—Column V. in the Tables represents the total amount of solid ingredients prescribed for each tincture, calculated into percentages. Columns VI. and VII. indicate the corresponding amount of solid residue obtained by evaporating 10 c. c. of tincture, and dried respectively at 45°-50° C. and at 120° C.

Test what you buy. Test what you make; and form of a B. P. label.  
always insist on your wholesalers' guarantee in the



### The Royal Victoria Hospital, Montreal.

This grand institution will shortly be opened for the reception of suffering humanity. There will be no great flourish of trumpets, as such is contrary to the wishes of the public benefactors who have established and endowed this monument of their large-hearted generosity. The work of organization is going forward rapidly, and some appointments of importance have been made to the staff.

Doctors Roddick, Stewart and Adami are noted men in their profession, and while the severance of the two former from the Montreal General Hospital to go to the other will be felt, it is necessary that the Royal Victoria should have at least some of the best men procurable. It is sincerely to be hoped that the governors will not restrict (medically) the new hospital to McGill men. It will be a grave mistake to do so from some points of view, and will tend to lessen the general aspect and effect of the benefaction itself. Good men are wanted, and good men can be had amongst McGill's graduates; but to permit the entrance of no other school would appear somewhat in the same light as if its benefits were made eligible to one denomination of Christians only. There are some very eminent French-Canadian medical men, and from amongst them some of the medical board of directors should be named. Dr. A. Brodeur, for instance, has a wide reputation, and is undeniably a man that would professionally add lustre to the hospital as well as carry to the French-Canadian element of our population the strongest possible evidence that the Royal Victoria Hospital was not solely for one college or for one denomination.

Sir Donald Smith's connection with McGill has, we imagine, carried a misapprehension to many who openly say *it is McGill* and *will be McGill*.

Bishop's College have, we believe, made representations to the governors on this subject.

The druggists and instrument men are somewhat "moved" over the subject of the extensive supplies at present about to be ordered. The institution is in a position to obtain what is required and will likely avail itself of every opportunity to avoid anything that is unnecessary in the purchase of requirements. The General Hospital can be copied to advantage in their method of obtaining current wants in the drug line

### Malt Stout.

Prominent medical men have good words for the Malt Stout recently placed upon the market. It

sells at about the same price as the "Dublin Stout," contains less spirit, and has a more desirable medicinal effect. Messrs. Lyman Sons & Co. are interesting themselves in the sale.

The following is one of numerous letters received:

DEAR SIRS.—I have much pleasure in stating that I have tried your Malt Stout on a patient who was suffering from very difficult digestion, especially of starchy food. Although this patient was rapidly losing weight at the time of commencing with the Malt Stout, this emaciation soon stopped, and on the contrary she soon began to increase steadily in weight, and her appetite, which had become almost nil, is now very fair. In common with many other physicians, I have long been looking for a commercial extract of malt which would be sold at a reasonable price, and which we might prescribe both as a food and as an aid to digestion. As your stout is sold for even less than the best qualities of porter, I will have no hesitation in ordering it for patients who are losing weight owing to their inability to convert starchy food into sugar.

Yours truly,

A. LAPHORN SMITH,

Professor of Equeecology in Bishop's College, Montreal.

### TRADE NOTES.

H. H. Warner, of "Safe Cure" fame, has made an assignment for the benefit of his creditors.

T. H. Rudderham, who has for some time managed the drug business of Copeland & Co., North Sydney, Cape Breton, has purchased the drug business of Dr. Atkinson at Parrsboro, N.S.

Edward Evans, of Evans, Lescher & Evans, of Liverpool, England, and also a director of the firm of Evans & Sons (Ltd), of Montreal, has arrived in Montreal, where he will make a short stay before proceeding to the Pacific Coast, accompanied by his brother, Alf. B. Evans, of Montreal. They intend returning by way of San Francisco and Chicago.

W. D. Bradford, general store, Granby, Que., formerly of Bradford & Roberts, was burned out about the middle of last month, just after getting in a new stock, worth some \$23,000. He was insured for \$14,000 and was obliged to seek the indulgence of his creditors. Liabilities nearly \$17,000, settled at 7 1/2% on the dollar, cash.

Upon the item to meet the expense under the Adulteration of Food Act, Sir Richard Cartwright suggested that, in view of a possible invasion of cholera, skilled officers should be instructed to inspect samples of water throughout the country. The Comptroller of Inland Revenue said he would be glad to act upon Sir Richard's suggestions.

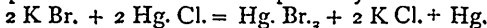
At the annual meeting of the stockholders of the Antikamnia Chemical Company, of St. Louis, Mo., held April 17th, 1893, the entire interests of the company were secured by Messrs. Cox & Ruf, so

that the company is now a very close corporation. The officers are Frank A. Ruf, St. Louis, president and treasurer; John W. Cox, Boston, secretary. Mr. Ruf remains, as heretofore, manager of the entire business of the company.

With greatly increased facilities and quadrupled capacity, the O. & W. Thum Co. have again effected a reduction in the cost of manufacturing Tanglefoot, and as usual they make a corresponding reduction in the price—25c per case. Besides reducing the price, they are packing two holders in each box. Each holder is made up into a package with five double sheets; these packages will prove a convenience to the dealer and will also encourage the purchase of larger parcels by his customers, who will appreciate the greater economy and the free holder. Their new machinery turns out even a more perfectly finished article than heretofore; the new holder is a model of neatness and simplicity, and in connection with the reduction in the price ought to make a year of unprecedented success for Tanglefoot.

### Notes and Queries.

**INCOMPATIBLE PRESCRIPTION — PERCENTAGE SOLUTIONS**—J. D. W.—A prescription calling for Potas. Bromid. and Calomel in powders, was handed in at a counter in the West End, a few days ago. The dispenser suspecting incompatibility, consulted us. Potas. Bromid., whether of alkaline reaction or neutral, or made acid by acetic acid, determines with calomel, when moistened, the appearance of mercury in a fine state of division. The mixture should therefore not be dispensed. The reaction is probably as follows:



This decomposition was pointed out by Kuhn, 1876, but has apparently escaped the notice of Squire, the National Dispensatory, Martindale, and the "Art of Dispensing."

Cocaine and Pilocarpine salts, produce the same reduction of calomel.

G—Some discussion having arisen since the last Examinations, about the meaning of 1, 2, 3, etc., per cent. solutions, we have no hesitation saying that the only correct rule is: Grains in hundred grains, ounces in hundred ounces, etc., therefore 4 ozs. of a 5% aqueous solution, would be made by taking  $37\frac{1}{2}$  grains of the solid, and making up the quantity of finished product to 4 ozs. by weight. Physicians frequently desire a certain number of grains with 100 minims—this, however, does not in any way affect the above calculation, which is a matter of arithmetic. The Pharmacopœial 1% liquids are not made 4.8 grains to the ounce. The word *ounce*, without qualification, means in the British Empire, ounce avoirdupois, which is the same in the case of water, as the fluid ounce.

This matter of percentages is discussed in the Proceedings American Pharmac. Assocn., 1892, ol 460. T. D. R.

### PHARMACY.

**PALATABLE CASTOR OIL.**—N. J. Pritzker recommends the following formula as being far superior to any yet proposed for disguising the taste of castor oil, while the dose is not increased, as the emulsion can be made to contain 85% of oil, and in this form it seems to act more powerfully than the pure oil:

Castor oil.....	ʒijj
Yolk of egg.....	ʒiv
Oil bitter almonds.....	gtt ii
Milk to make.....	ʒiv

The oil is added slowly to the yolk of egg, triturating thoroughly, then add the other ingredients. The emulsion is given in the same dose as castor oil and may be diluted with milk, wine or water.

DE CANDOLLE, the famous botanist, who died a few weeks ago at Geneva, was born at Paris in 1806, and succeeded his father, Augustin Pyramus de Candolle, as director of the botanical gardens at Geneva. He was a lecturer in the Academy of Geneva, and was a member of many of the learned societies of Europe.

**SYRUP OF IODIDE OF IRON**, according to J. Martenson, if made with rock candy does not turn red, as it always does if made from ordinary sugar. He explains the action of sugar on the iodide as being due to the ultramarine used to whiten the commercial granulated sugar.

**GLYCERIN SUPPOSITORIES** with aloin, colocynthin and citrullin have been tried by Dr. Kohlstock with considerable success in constipation, where the ordinary glycerin suppositories were without action. Each suppository contains either 0.5 gm. aloin, 0.03 colocyntin or 0.02 citrullin.

**BISMUTH AND BORIC ACID OINTMENT FOR BURNS.**—Dr. Wertheimer gives the following for the treatment of burns in children:

Bismuth subnib.....	9	gms
Boric acid.....	4.50	"
Lanolin.....	70	"
Olive oil.....	20	" ℥

The parts should be washed with boric acid solution, and the ointment spread on gauze, then applied.

### Answers to Correspondents.

"A Young Lady."—Section 4024, clause 1 of the "Quebec Pharmacy Act" says: "To be admitted as a certified apprentice, the candidate must produce satisfactory evidence of a good, moral character, pass an examination in the English, French and Latin languages, in arithmetic, geography and history, and pay the fee prescribed by article 4029 of this Act; any medical student inscribed as such is considered a certified apprentice. We have not a copy of the Ontario law, but the requirements for the matriculation examination are very much similar to those of the Quebec examinations.

## Correspondence.

To the Editor of the MONTREAL PHARMACEUTICAL JOURNAL.

DEAR SIR,—I was delighted with your article on "Substitution," *i. e.*, the introducing and pushing of another article in place of the one asked for. It is a practice which is not good business policy and lays the pharmacist open to suspicion.

If a customer calls for a specialty, my clerks are instructed to give it, and not to introduce anything else. Simply wrap up the article called for, take the money and, with a pleasant remark, let the customer go. In nine cases out of ten a person thus treated will come again.

People get a desire to try a certain article, because they have seen it advertised, and if they are talked into buying anything else they are annoyed when they leave the store, and naturally conclude that the pharmacist's advice was not disinterested from a commercial point of view.

The using of another drug, other than the one called for in a prescription, is so palpably dishonest that I have not considered it necessary to allude to that kind of "substitution" in this letter.

Truly yours, "AB ANTRO."

### SUBSTITUTING.

Last month I read with pleasure, zest,  
Your words on "Substitution";  
I think you tried to do your best,  
Without much elocution.

You certainly exposed a fraud—  
A knavish combination—  
A scheme that some men love to laud,  
And hold to admiration.

With trenchant pen and lots of vim,  
And robust constitution,  
You brought to light a custom dim,  
The work of "Substitution."

I must confess I'm in the trade—  
One of the institution;  
But as a druggist, can't degrade  
My work by "Substitution."

The custom is unmanly, mean,  
Unworthy and degrading;  
And public eyes both sharp and keen,  
Will watch us when they're trading.

Oh! druggists greedy and unwise,  
There must come retribution!  
Remember people will despise  
This work of "Substitution!"

In future, when a man doth ask  
For Burdock, Paine's or Ayer's,  
Attempt not the dishonest task  
Of substituting Sayer's.

MONTREAL DRUGGIST.

## Formulae for the Soda Fountain.

### SYRUP WILD CHERRY PHOSPHATE.

Wild Cherry Syrup .....	5 pints.
Grape Syrup .....	1 pt.
Sherry Wine .....	1 pt.
Acid solution .....	8 oz.

### PINEAPPLE MEAD SYRUP.

Water .....	5 pts.
Syrup .....	3 pts.
Pineapple Juice .....	1 pt.
French Rosewater .....	1 pt.
Mead Extract .....	4 fl. oz.
Fruit Acid .....	¼ oz.

### RASPBERRY MEAD.

Water .....	5 pts.
Syrup .....	3 pts.
Raspberry Juice .....	1 pt.
Rose Water .....	1 pt.
Mead Extract .....	4 fld. oz.
Fruit Acid .....	¼ ox.

### MEAD EXTRACT.

Sarsaparilla .....	20 oz.
Sassafras .....	6 oz.
Jamaica Ginger .....	2 oz.
Cloves .....	2 oz.
Allspice .....	2 oz.
Vanilla .....	4 oz.
Oil Lemon .....	1 dr.
" Wintergreen .....	½ dr.
" Sassafras .....	¼ dr.
Alcohol .....	½ gall.
Sugar Coloring .....	¾ pint.
Water, to make .....	1 gall.

Percolate the drugs with the alcohol and ½ gall. water to make one gallon, then add oils dissolved in 1 oz. alcohol, followed by the sugar coloring, set aside two days and filter.

## Books Received.

"A Monograph on Cascara Sagrada," published by Fred. Stearns & Co., Detroit, contains a digest of recent literature on the subject of Cascara. It is just the thing for the busy practitioner, as he has in a reliable and condensed form a complete history of the drug from the botanical, pharmaceutical and therapeutical standpoints. It is well written, and will well repay perusal. Messrs. F. Stearns & Co., Detroit, will be happy to send a copy to any physician interested in the study of this drug.

Proceedings of the Missouri Pharmaceutical Association, at the annual convention, Excelsior Springs, for which we are indebted to Dr. H. M. Whelpley, the secretary, contains several very interesting papers, especially those on Nitrometric Methods by Prof. Curtman, and one by G. H. Chas. Klie, on Sensitive Iodine Preparations.

## THE INTERNATIONAL PHARMACEUTICAL CONGRESS.

### Preliminary Announcement.

#### ITS OBJECTS, ORGANIZATION, AND PROGRAMME.

1. The International Pharmaceutical Congress called to convene in Chicago, August 21, 1893, during the progress of the World's Columbian Exposition, will be the seventh in the series of International Pharmaceutical Congresses, and the first held in America.

In addition to the invitation extended by the American Pharmaceutical Association to the International Pharmaceutical Congress to hold its next meeting in 1893 in Chicago, a proposal was also made by the World's Congress Auxiliary of the World's Columbian Exhibition to the pharmacists of the world, inviting them to participate in the Columbian commemoration by a convention similar in scope to the other world's congresses to be held at the same time and place, the proceedings of which will, in part, be devoted to addresses and papers of a general and popular character, including brief reviews of the progress made since the days of Columbus. It was, however, deemed desirable that there shall be but one pharmaceutical congress held this year, and that the scope and objects of the proposed World's Congress of Pharmacists and those of the Seventh International Pharmaceutical Congress be merged, and to attain this end the World's Congress Auxiliary accordingly proposed that the programme of the International Pharmaceutical Congress at Chicago include addresses and papers of a historical nature, and afford opportunity for the presentation of such other topics of a general interest as may, in the judgment of the committee of arrangements, be appropriate to the occasion. This proposal having been agreed to, the International Pharmaceutical Congress will be the only world's congress of pharmacists held in Chicago during the exposition season.

The general scope and objects of the International Pharmaceutical Congress will be to stimulate pharmaceutical progress, to discuss the status of pharmacists and promote an intelligent appreciation of the work they do, and to consider matters and measures affecting the further advancement of pharmacy and a nearer approach to international agreement in education and practice.

2. A committee on the International Pharmaceutical Congress has been appointed by the American Pharmaceutical Association to arrange the preliminaries. This committee on arrangements consists of Oscar Oldberg, Chicago, chairman; N. Gray Bartlett, Chicago; C. Lewis Diehl, Louisville Ky.; D. R. Dyche, Chicago; Albert E. Ebert, Chicago; C. T. P. Fennel, Cincinnati, Ohio; J. M. Good, St. Louis, Mo.; C. S. N. Hallberg, Chicago; L. C. Hogan, Chicago; J. N. Hurty, Indianapolis, Ind.; J. Kochan, Denver, Col.; E. Kremers, Madison, Wis.; A. L. Metz,

New Orleans, La.; Charles Mohr, Mobile, Ala.; E. L. Patch, Boston, Mass.; A. B. Prescott, Ann Arbor, Mich.; Charles Rice, New York, N.Y.; E. H. Sargent, Chicago; William Saunders, Ottawa, Can.; L. E. Sayre, Lawrence, Kan.; William M. Scarby, San Francisco, Cal.; William Simon, Baltimore, Md.; William Simpson, Raleigh, N. C.; William S. Thompson, Washington, D. C.; together with Joseph P. Remington, Philadelphia, Pa., President of the American Pharmaceutical Association, and John M. Maisch, Philadelphia, Pa., Permanent Secretary of the American Pharmaceutical Association.

All who intend to participate in the Congress or to be represented or present in its meetings, and all invited guests, are requested to communicate in advance, and, if possible before July 1, their names and addresses to Oscar Oldberg, chairman of the committee, 2421 Dearborn street, Chicago.

All papers, reports, and communications to be read at the Congress will, as far as possible, be printed in advance, in order that copies may be distributed at the meeting. For this purpose, such papers, reports, and communications must be placed in the hands of the Permanent Secretary of the American Pharmaceutical Association, John M. Maisch, 145 N. 10th street, Philadelphia, before July 20. If received later, the printing in advance of the meeting cannot be promised.

3. The Congress will be constituted of delegates accredited for that purpose by the governments of the different countries, the pharmaceutical societies and examining boards, the colleges and schools of pharmacy, the pharmaceutical departments of universities, and the national pharmacopœial committees or commissions, respectively, each of which bodies will be entitled to be represented by three delegates.

4. Special invitations are extended to pharmaceutical teachers, authors, leaders in the pharmaceutical profession, and pharmacists generally, to seats in the Congress.

5. When a vote shall be taken upon any question upon which the yeas and nays shall be called, only duly accredited delegates shall be entitled to vote.

6. The officers of the Congress shall consist of a president, vice-presidents, a secretary, and three vice-secretaries. The committee on arrangements shall act as a nominating committee, and shall nominate the officers by ballot. The number of vice-presidents to be nominated shall be determined by the nominating committee.

7. The first session of the Congress will be opened at 9 o'clock a.m., on Monday, the 21st day of August, 1893, in the Memorial Art Palace, Chicago, in which commodious halls and accommodations have been placed at the disposal of the Congress through the courtesy of the World's Auxiliary of the World's Columbian Exposition.

The Congress will be opened with appropriate ceremonies, official addresses of welcome, and a

report of the committee of arrangements. A temporary organization will then be effected and a committee on credentials appointed.

Following this will come the adoption of regulations for the government of the Congress and its proceedings, and the reception of official communications and invitations.

The nominating committee will then report the nominations for officers, after which the election of officers will follow.

8. The proceedings of the Congress will be conducted in the English language; but when participants in discussions speak in German, French, Spanish, or Swedish, interpreters will translate these languages into English. Addresses, papers, or communications printed or published by the Congress will be published in English, German, French, and Spanish.

The publication of the proceedings will be entrusted to a special committee, to be appointed by the President of the Congress.

To defray the expenses attendant upon such publication, each member from the United States or member of the American Pharmaceutical Association who may take part in the Congress will be required to pay the sum of five dollars; no assessment to be made upon other members or visitors.

9. To facilitate the conduct of the proceedings of the Congress, the committee on arrangements will classify the business according to the subjects, and the Congress will for that purpose be arranged into four sections, as follows:

Section 1. Historical and Ethical Pharmacy.

Section 2. Pharmaceutical Education and Legislation.

Section 3. Pharmacopœial Matters.

Section 4. General section, embracing pharmaceutical questions and subjects not assignable to any of the three preceding sections.

The order of business after the election of officers will be in conformity with this classification.

*Subjects Proposed for Papers, Reports, and Discussion.*

SECTION I.—HISTORICAL AND ETHICAL PHARMACY.

1. The condition of pharmacy four centuries ago as compared with its present status.

2. The history of pharmacy and pharmaceutical institutions in the United States.

3. The ethics of the practice of pharmacy, and the mutual relations between physician and pharmacist and between pharmacists and the public.

4. The influence exerted upon the practice of pharmacy by the introduction of chemicals and other medicinal substances controlled or limited by patents, copyrights, trade-marks, or other legal restrictions, but which are commonly ordered by physicians in their prescriptions.

Should such limitations as foster monopoly in the manufacture and sale of such products be removed in the interest of the public good?

5. The relations of pharmacists to public sanitation.

6. Statistics of the present number of pharmacies in proportion to population in various countries, and of imports and exports of crude drugs, medicinal chemicals, and pharmaceutical preparations during the last half century.

SECTION II.—PHARMACEUTICAL EDUCATION AND LEGISLATION.

1. Statistics giving the number of schools or colleges of pharmacy in each country, and the total number of students pursuing pharmaceutical courses.

2. How do the education and the professional and social position of pharmacists compare with those of other professions?

3. What legislation, if any, is at present most needed for the advancement of the best interests of pharmacy?

4. To what extent is official supervision of drug stores necessary or beneficial?

SECTION III.—PHARMACOPŒIAL QUESTIONS.

1. The proper scope of a national pharmacopœia.

2. What improvements, if any, are desirable and practicable in pharmacopœial nomenclature? Is a nearer approach to international uniformity possible?

3. What would be an ideal pharmacopœia?

4. What progress has been made towards the preparation of an international pharmacopœia for potent remedies.

What action, if any, should be taken in reference to this subject?

5. Have the influence and co-operation of pharmacists increased in the work of pharmacopœial revision in the various countries? What proportion of the membership of the pharmacopœial revision committee or commission of your country consists of pharmacists?

6. Should any substance, the manufacture or sale of which is restricted by any patent, copyright, or trade-mark, be admitted into any national pharmacopœia? If so, under what conditions?

7. What consideration should determine the introduction into the pharmacopœia of a new remedy, or the retention or rejection of one already in it?

SECTION IV.—GENERAL SECTION.

1. Upon what general plan can a systematic pharmaceutical nomenclature of the complex organic chemicals recently being introduced into the *Materia Medica* (such as ansipyrene, etc.) be constructed?

2. In what directions may the pharmacist profitably extend his technical and professional work to render him less dependent upon the purely mercantile part of his business?

Papers upon these and other subjects which may be presented and accepted will be referred to their appropriate sections.

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WE have pleasure in announcing that our Laboratory at Walkerville is so far completed that we are prepared to supply our **Fluid Extracts, Pills, Tablet Triturates, Capsules, Elixirs, Wines, Syrups, etc.**, in Assortment, Variety and Quantity, suited to the demand.

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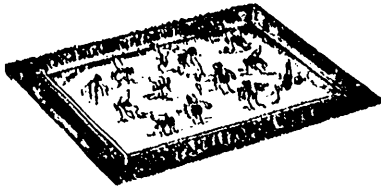
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**ADULTERATED CASTOR AND OLIVE OILS.**

BY R. J. PARRY, D. SC., AND P. A. ESTOURE, A. LC.

During the last six months we have had a large number of samples of castor oil and olive oil sent to us for analysis, and have been surprised to find what a small proportion of them were genuine. Out of fourteen samples of castor oil six were genuine and eight adulterated, and from fourteen samples of olive oil three were pure and eleven adulterated. Any sample of castor oil whose specific gravity does not fall within the limits of '956 and '966 should be viewed with grave suspicion, and if it be below '950 or above '969 is almost certainly adulterated. The saponification equivalent of pure castor oil - that is the number of grammes saponified by a litre of normal alkali - should fall between 310 and 320, and the iodine absorption, according to Hubl, falls between 84 and 84.7; our own experiments give 85. As will be seen from Table 1, none of the figures obtained agreed with these. With regard to the rise in temperature when mixed with an equal weight of sulphuric acid - that is, 2 volumes of oil to 1 of sulphuric acid (97 per cent.) - our figures do not agree with those recorded by other observers. Allen gives 65° C., Archbutt gives 46° C., and we have repeatedly found 72° to 74° for castor oil of undoubted purity.

TABLE I.

	Specific Gravity	Saponification Equivalent	Iodine Absorption.	Temperature Rise.
1	'9735	400	67	60° C.
2	'9721	420	65	62° C.
3	'9723	400	64	63° C.
4	'9740	445	--	60° C.
5	'9766	428	--	63° C.
6	'9752	403	--	61° C.
7	'9739	440	--	60° C.
8	'9719	440	--	62° C.

The usual adulterants of castor oil are poppy-seed, coconut, lard, and blown oils. The figures above quoted practically exclude all but rosin and blown oils. Moreover, in every case the samples were freely soluble in glacial acetic acid, which is a further indication of the absence of other oils. Since the gravity of blown oil seldom rises above '870, and its saponification equivalent seldom exceeds 284, we were confident that rosin oil was the adulterant used. The high gravity and saponification equivalent were confirmatory of this, as was the low iodine absorption. And if our observations on pure castor oil were correct, as we certainly believe them to be, in the case of the rise in temperature, the observed rise in the case of the impure samples pointed to the presence of hydrocarbons. To absolutely confirm our suspicions we used three further tests of extreme simplicity, but of great utility. A drop of the oil was placed on the back of the tongue, and in a minute nothing

but the disagreeable taste of rosin oil could be detected. The samples did not appear fluorescent in bulk, but when mixed with an equal volume of ether and examined in tubes they were distinctly fluorescent. This is the usual method of observing the fluorescence of oils, but in the case of viscous oils, like castor, we have found the fluorescence much more intense when the sample without admixture with ether is allowed to run down the side of a thin glass tube and the thin layer adhering to the side is examined. Under these conditions the samples were extremely fluorescent. Finally, a few drops of each sample were dissolved in carbon bisulphide and treated with stannous bromide, with slight excess of bromine. In every case a fine coloration, from deep red to rich purple, was obtained, pure castor oil yielding little or no color. Thus every single sample was clearly proved to be adulterated with rosin oil. By adding absolute alcohol in the proportion of 2 parts to 1 of oil a large portion of rosin oil separated out, and by treatment with slaked lime most of the rosin oil combined loosely with the alkali, and the castor oil when filtered off from the lime compound had a specific gravity of 9665. By separating the rosin oil out by the addition of alcohol its specific gravity can be taken, and the percentage of rosin oil approximately calculated. However, we found that saponification of the oil with alcoholic potash, evaporating, to drive off the alcohol, and extracting the unsaponifiable matter with ether, was the most direct method of ascertaining the proportion of rosin oil, which we found to range from 35 to 40 per cent.

Before passing on to the samples of impure olive oil, it will be as well to review the results which are obtained from the genuine oil.

The specific gravity is one of the most important features in enabling one to judge of the quality of the oil to be examined. Of many genuine samples examined by us the specific gravity at 15.5° C. (60° F.) compared with water at the same temperature never exceeded '917. In fact, we have never found so high a gravity. Low densities have been observed, but '914 is the lowest we have come across, and the sample having this density contained a considerable amount of free acid. The general adulterants of olive oil are cotton-seed, poppy-seed, arachis, sesame, rape, and hydrocarbon oils. The addition of any of these oils except rape and the lighter hydrocarbons would tend to increase the density. The saponification equivalent is not of much value in assisting us to detect the adulteration in the oils, the saponification numbers of the oils generally used for sophisticating olive oil being nearly the same as those of the pure oil. If the adulterant were a hydrocarbon oil, or one from a cruciferous plant, the test would be of great value, as in these cases the saponification equivalent would be sensibly higher than those found for pure olive oil.

The observation of the rise of temperature with



sulphuric acid is a most important factor, and may be considered to be, if not the most important, one of the most valuable tests of those used to ascertain the genuineness or otherwise of the olive oil submitted for analysis. Pure olive oil, according to many observers, gives 39° to 44°; our own experiments with the pure oil gave 40° to 43°. The usual adulterants of olive oil give much higher figures than these. We found the elaidin test of little value, except, of course, in indicating that the samples were sophisticated; for identification of the adulterant our results were not such as would allow us to pass an opinion as to the oil used for mixing with the olive oil.

The behaviour of the samples of oil with glacial acetic acid (E. Valenta, *Dingl. polyt. J.*, cclii. 296; *Jour. Chem. Soc.*, xvi, 1078) was observed. Equal parts of the oil and glacial acetic acid were mixed and gently heated, with shaking, until the oil dissolved in the acetic acid. Our observations gave for the pure samples we examined 95° C., whilst our figures for the oils suspected of not being genuine were very much lower in every case. The importance of this test can only be appreciated after long and careful trial.

We also used Hübl's iodine-absorption method. For pure olive oil Hübl gives 81.6 to 84. Our own experiments gave 81.6 to 84.5 for the pure oil. The figures obtained from the oils commonly used as adulterants are much higher than this, as were the figures we obtained from our samples.

We applied still another valuable test—that of the melting-point of the fatty acids, obtained after saponifying a quantity of the oil with alcoholic potash, breaking up the soap with sulphuric acid, and washing free from the latter with distilled water. The fatty acids of pure olive oil obtained in this manner we found almost liquid at 23° C., whilst many of the oils before mentioned melted at as high as 35° C.

Our melting-point figures for the oils submitted for analysis were very much higher than those of pure olive oil, whilst they were slightly lower than those of cotton-seed oil. Our general figures are embodied in Table 2.

TABLE II.

	Specific Gravity	Rise of Temperature	Iodine Absorption	Saponification Equivalent	Valenta
1	9199	60° C.	100.0	288	68° C.
2	9182	60° C.	97.5	288	60° C.
3	9186	60° C.	93.0	286	55° C.
4	9194	55° C.	98.5	293	55° C.
5	9190	57° C.	99.0	297	50° C.
6	9187	65° C.	96.5	288	58° C.
7	9187	64° C.	97.0	288	55° C.
8	9188	66° C.	96.0	290	55° C.
9	9187	64° C.	97.5	290	50° C.
10	9188	68° C.	96.5	288	54° C.
11	9187	67° C.	97.5	289	52° C.
Pure Oil	9170	40-43 C.	81-84.5	285-296	95° C.

On examining these figures, we found that the specific gravity, combined with the saponification equivalent, showed the absence of a hydrocarbon oil. The difficulty was now to identify, if possible, the foreign vegetable or fat oil present. Except the saponification figures, no others agreed with those found by us of oils of known purity. Arachis oil of the poorer quality could have been used, the specific gravity of the poorer class being 920; but we examined for this oil by Renard's test, and were able to say that it was not present. In the same manner sesame oil, on account of its gravity and other general figures, might have been the adulterant, but, carefully using the colour-tests, we were able to dismiss it from our minds. We next turned our attention to cotton-seed oil, this oil being one used very largely for the purpose of adulterating olive oil, on account of its pleasant taste and general adaptability for eating and culinary purposes. We found that the high melting-points of the fatty acids of the samples submitted to us agreed well with that of cotton-seed oil, whilst the general colour-tests and elaidin tests also confirmed our suspicions.

To further strengthen our opinion that cotton-seed was the adulterant, we carefully prepared the fatty acids of the suspected oils and dissolved them in alcohol, and then, after the addition of nitrate of silver, heated some to the temperature of boiling water. After some little time the silver was much reduced, and much blackening was observed. It may also be remarked that, on heating the fatty acid obtained after saponification for some time at the temperature of boiling water, the characteristic odour of cotton-seed oil was noticed, so that, by a review of these results, we were enabled to return every one of these samples as adulterated with cotton-seed oil.

### J. E. D'AVIGNON.

The druggist at 55 Sandwich street west, opposite the Merchant's Bank, came to the town from Montreal (where he had been employed in the Medical Hall, the largest dispensing establishment in Canada) in 1879.

He is a Licentiate in Pharmacy of the Lower Canada College of Physicians and Surgeons in 1866; Licentiate of the Quebec College Pharmacy, 1870; Licentiate of the Ontario College of Pharmacy, 1880, and has for a number of years been a member of the Council of the latter named body.

His long experience dating from 1862, as a pharmacist and close attention to business have been the means of securing to him the largest prescription business in the city.

He has also a good trade in Perfumes and Toilet Articles, of which he keeps a very large and varied stock. A competent assistant is in attendance, Sundays and at night as well as in the day time to dispense medicines.

A special feature of the business however is the

manufacture of a number of popular and reliable remedies, among which may be mentioned D'Avignon's Cherry Balsam which is valuable for incipient consumption, and all throat and lung diseases. D'Avignon's Worm Lozenges are especially adapted for children and are certain destruction to worms. In these remedies as well as in baking powder he has a large family and local trade.

His baking powder has been well recommended wherever it has been used, and is put up fresh every day and sold at 25 cents per pound. With the baking powder a valuable receipt book is given to any lady applying for the same.

Among other goods manufactured, may be mentioned D'Avignon's Cream of Witch-Hazel, a valuable toilet preparation which is sold all over Canada, and is especially adapted for chapped hands, roughness of the skin, eruptions, redness, irritation, &c., and gives freshness to the skin and complexion. It is sold at the low price of 25 cents per bottle, and can be obtained of all druggists and dealers.

Mr D'Avignon's stock of these and other popular remedies is at all times complete, and he enjoys a reputation and trade unsurpassed by other drug houses in the city. Telephone connection with Detroit, Sandwich and Walkerville.—*Windsor Review, Feb. 3rd, 1893.*

### Regulations Concerning Patent Medicines on the Continent.

According to an American Consular report, which is referred to by a pharmaceutical contemporary, the regulations of several European countries concerning patent medicines are a good deal more stringent than those of Great Britain. In Austria-Hungary prepared medicines, whether patented or not, unless imported for druggists, require a special permit from the Customs authorities. All medicines and medical compounds are excluded from protection by the Austrian Patent Law, and the sale of such is permitted only to, and in drug stores. In Belgium patent medicines can only be sold by apothecaries or other authorised persons, and must bear the seal of the seller, who assumes the responsibility of the product. In Denmark the sale is confined to apothecaries. France entirely prohibits the sale of secret medicines, unless they are approved by authority and the formula is inserted in the official formulary. In Germany all proprietary medicines must be retailed by a regular sworn and licensed apothecary, who is responsible for their effect on the patient; but the most serious restriction is the prohibition of advertisements of patent medicines in public journals when such medicines are made by a secret formula or process. This law is rigorously enforced in Baden and Prussia but less stringently so in Wurtemberg, Bavaria, and some parts of Northern Germany, while in Saxony the authorities exercise the right of prohibiting the sale altogether. In Italy the composition of a

patent medicine must be approved by the Board of Health. No patent medicine is allowed entry into Russia unless special permission is on each occasion obtained from the Medical Department of the Minister of the Interior. If, after careful examination it is proved that the production of such medicines requires elaborate work and expensive apparatus, it is allowed entry subject to a duty of about 1s 8d per pound avoirdupois provided such medicines are regarded as beneficial and are compositions durably preserved. In Sweden, Switzerland, and Turkey there are but few restrictions.

### Rules For Drug Clerks.

If you see a customer enter, turn your back around and look at some bottles on the shelf. It has an air of sociability.

Always have the floor of your store mopped up in the busy time of the day. It impresses the customer with the idea that you value cleanliness. The same general rule would also apply to your windows.

If a lady asks for a postage stamp exclaim, "Don't you see that I am busy," or if the Directory is wanted, "Couldn't you see it when you came in?" Perhaps she doesn't feel mean enough already at asking the favor of you, and these little pleasantries will put her in the proper mood.

Always wear an angry expression when you have to go over to the soda fountain. It is not suitable work for a man of your ability and you are not paid to conceal your feelings.

Distribute two or three cats over the store. It makes fun when a customer brings in a dog.

If a lady asks about perfumes, take an atomizer and spray some in her eyes. When she sees how lavish you are with it, she will appreciate its value.

Never put up a prescription in less than a half an hour after you receive it. You are the best judge of its urgency.

Never change the contents of your show-case.

Customers who have been coming in for several years might miss sight of "old friends."

If you are selling tooth brushes always rub them across your hand or sleeve to show how pliable the bristles are. It enhance the value to the buyer.

Carry out these rules consistently for six months and then apply for an increase of salary.

### New Color Reactions of Mixtures of Phenacetin, Methacetin and Hydracetin with Salts of Quinine.

Saturated, aqueous solutions of phenacetin or of methacetin assume, when diluted with an equal volume of chlorine-water and treated with ammonia, a reddish to brown color which appears slowly with the former, and more quickly and strongly with the latter. By treating, in the same manner, the aqueous solutions of phenacetin or methacetin with a relatively small quantity of a quinine salt, the mixture will assume at once a beautiful blue color.

According to F. A. Fluckiger (*Pharm. Post.*), the reaction is best seen when 1 part of the phenacetin mixture contains 1-10-1-20 part of basic sulphate of quinine ( $C_{20}H_{24}N_2O_4$ ),  $H_2SO_4$ .—o. 1 gramme (1½ min) of the mixture is shaken, in a test-tube, with 5 c.c. (50 min.) of water; 8-10 drops of strong chlorine-water are then added together with 2-3 drops of ammonia. Or, the mixture of the two substances is heated in water to the boiling-point, before adding the above-named reagents, in order to dissolve the phenacetin; filter, after cooling, and proceed as indicated above. Hydracetin solution produces with chlorine-water a yellow color (intensified by ammonia) which, on mixing the solution with a small quantity of basic sulphate of quinine, turns into a beautiful red. Acetanilide and exalgin, when treated in the same way, produce no coloration, whatever; but, when treated with basic sulphate of quinine, they yield the green color characteristic of quinine. Morphine, as is well known, produces a yellow reaction when treated with chlorine-water alone, or with chlorine-water and ammonia. When mixed with quinine-salts it yields only the green color (thalei-ochin reaction).

### Chemistry as she is Understood in India.

The following answers were collected from a written examination in chemistry held in connection with a well-known Indian university:

Sulphur is a smellful gas.

Nitrogen is a remarkable lazy gas, and is good for nothing.

Carbon always exists in a dark room.

There is no living being in the whole world that does not contain carbon.

Gas is made by filling a poker with coal and heating it.

Alumina is used in medicine to open the bowels.

Chlorine gives botheratica to the throat.

Hydrogen is a colourless, invincible gas, and burns itself without anybody's help.

Nitric acid is used in the preparation of currant electricity. It is very bad for teachers to pour it on our hands.

Soda is formed by heating castor oil and potash.

Caustic soda is used in the manufacture of soda water, and this is used in medicine for purgative purposes.

Caustic soda is used as a summer drink.

Quicklime is made by pouring water on slaked lime.

Quicklime is made from smooth pebbles, and is good for worms.

We can eat this substance ( $CaO$ ); it has the power of digesting food.

Lime destroys the excess of vegetable matter, and nothing in the whole world is an exception to the above fact.

Lime is used as a kind of gum for builders to stick bricks together.

There are two kinds of phosphorus—red and blue.

Preparation of phosphorus—The powder, which is got from the roots of plants, is mixed with  $H_2SO_4$  and water, and it is then filtered through paper filter. The refuse that is thus got is heated, when dense red fumes of phosphorus come, which may be collected by downward displacement, and may be rolled into sticks of phosphorus.

### Opium-Growing in British India.

According to official reports, the cultivation of opium in Bengal is becoming unpopular with the farmers, because it is found that other crops which are less delicate are more remunerative in an average year than poppy. Exact data are not forthcoming, but it is known generally that while the area under poppy has been steadily decreasing, that under other crops has increased largely. The Benares opium agent reports that some European firms have organized a regular system of advances to stimulate the cultivation of cereals. Poppy, it is added, is no longer cultivated on the best soil everywhere, but has to take its chance with other crops. The effect of this competition is so keenly felt by officials that already there is a talk of holding out increased inducement to the ryot to take up the cultivation of the poppy, in the shape of more liberal loans for irrigation and a rise of 8a. per seer in price; and the Government is advised to make an attempt to increase the outturn of the poppy crop by exercising greater supervision over the cultivators. From the prospect of a yearly increasing area under cereals, the Opium Department turns with a sense of relief to the fact that six European planters in Tirhoot, who formerly cultivated indigo, are now putting their fields under poppy.

A somewhat suspicious looking parcel of jalap was exposed for sale in London recently. It comprised both Tampico and Vera Cruz tuber, partly whole, partly sliced, some light and porous, and some good heavy root. Much of the jalap was of small size. Such parcels are by no means rare, and it is probable that the decided fall in the resin value of jalap which has been noticed of recent years, may simply be due to too early harvesting. Some have the suspicion, not unreasonable in the circumstances, that the tubers which are sliced have been treated with spirit for the partial extraction of resin. A Vera Cruz tuber, weighing about 1½ oz. was sliced at the sides, and felt rather light. It yielded 8.5 per cent. of resin, that is 1.5 per cent. below the standard, but still not the lowest percentage which has been noted in genuine jalap. A second fair average sample of the Tampico sort yielded 10.5 per cent. of resin.

## THEY PASSED THE EXAMS.

### List of Successful Students at the Recent Pharmaceutical Examinations.

The annual meeting of the Pharmaceutical Association of Manitoba was held recently. Among those present were Messrs. J. F. Howard, president; J. C. Gordon, treasurer; B. M. Canniff, G. W. McLaren, P. H. Rosser, C. Flexon, E. Casselman, Dr. W. A. B. Hutton, A. A. Campbell (Montreal), Wilson (Hamilton), and J. K. Strachan, registrar.

The following reports were read and adopted:

#### *To the Pharmaceutical Association of the Province of Manitoba:*

Your council beg to report

1. That at their first meeting they elected Mr. J. F. Howard as president; Mr. A. Moncton, vice-president; Mr. J. C. Gordon, treasurer; Mr. G. W. McLaren, Mr. B. M. Canniff, Mr. H. E. Neeland and Dr. W. A. B. Hutton were appointed examiners, and Dr. E. A. Blakely, special examiner.

2. Mr. Moncton, since his election, having permanently removed from the city, Mr. C. Flexon was elected a member of the council to supply the vacancy.

3. Your council, after careful consideration of the matter, and having received a legal opinion of Messrs. Hough & Campbell as to the powers of the council to refuse to recognize other pharmaceutical organizations or colleges of pharmacy, passed a resolution having the effect of in future giving no one the right to register as a druggist in this province on a diploma granted by any other association. This resolution does not interfere with the right of the examiners to dispense with examinations and accept authenticated certificates in lieu thereof, as provided by section nine of the Association's act.

4. Your council regret that since the last meeting the association has lost three of its members through death, viz.: Mr. Jos. Parkinson, and Mr. H. E. Neelands, both of Winnipeg, and Mr. J. Stork, of Portage la Prairie. The death of Mr. Neelands is a great loss to the association, he having rendered valuable service both as examiner and lecturer.

5. For causes beyond the control of your council they have found it impracticable to make any progress towards affiliation with the Manitoba Medical College.

6. Your council have again pleasure in reporting a satisfactory financial position of the association.

J. F. HOWARD,  
*President.*

#### REGISTRAR'S REPORT.

#### *To the Pharmaceutical Association of the Province of Manitoba:*

GENTLEMEN,—I have to report that since the last annual meeting there have been added to the register the following:

Pharmaceutical chemists—Dr. W. A. B. Hutton, Dr. J. H. O. Lambert, T. G. Poyntz, G. A. Sherin, G. W. Berry, Alexander Campbell, W. Campbell, W. L. Gemmel, H. P. Eakin, E. D. Martin, P. H. Rosser, J. Bray, R. J. Haworth and S. S. Smith.

Certified clerks—Austin Francis, F. A. McDonald, Max Benjamin, A. D. Ferguson, Cochenor, R. Wesley McClung.

Certified apprentices—W. Brooking, W. H. Kennon, H. H. Casselman, J. A. Gordon, H. E. Rogers, Annie Simpson, A. B. Huckell, G. Deyell, Ernest Bishop, Arthur Burnage, A. C. McDonald, Geo. H. Carman, J. P. Leveque, Wilkie Collins, F. G. Russell, R. Grimmitt, R. E. Beattie.

There has been one prosecution, two informations having been laid, one for illegally compounding a prescription, and the other for the illegal sale of poison, the defendant being fined \$20 and costs for each offence.

The following members have been removed from the register in consequence of removal from the province, non-payment of fees, or other causes, viz.: Dr. Lamont, A. Monckton, H. A. Neelands, J. Parkinson, J. Stock, E. R. Flach, J. K. Hollingshead, C. H. Gunn and R. J. Campbell.

J. K. STRACHAN,  
*Registrar.*

The treasurer's annual statement showed a balance on hand of \$1,833.21.

A discussion took place on the illegal sale of drugs and poisons, which was reported as going on in several parts of the province, and it was referred to the council to consider what should be done to prevent a continuance of the law's being disobeyed.

#### EXAMINERS' REPORT.

At a meeting of the council the examiners' report was presented as follows:

GENTLEMEN,—Your board of examiners beg leave to report that they have duly conducted the regular semi-annual examinations on the 4th, 5th, and 6th inst. as advertised.

Five candidates presented themselves for major examinations and five for minor. Of these we recommend the names of B. Storey, E. T. Howard, A. T. Andrews, F. A. McDonald and W. M. Harrison be added to the roll of licentiated chemists, they having obtained the requisite number of marks to entitle them thereto. Also that the names of A. E. Kelly, G. H. Cameron, T. W. Lines and Chas. McDonald be added to the roll of certified clerks, they having obtained the necessary marks to entitle them thereto.

We also recommend that Mr. Leithhead's name be added to the roll of licensed chemists on payment of the usual fees, he being, in our opinion, entitled to registration. We further recommend that all candidates for examination be required to make at least 50 per cent. on each paper as well as 66 $\frac{2}{3}$  per cent. total, and that failing to take 50 per cent. on each separate paper, although they may have taken a total of over 66 $\frac{2}{3}$  per cent., they be

required to come up for examination on such subjects as they have failed to obtain 50 per cent on, and that such subsequent examination must be taken not later than the second examination after such failure, and that half the regular fees be paid therefor, and that failing to pass such examination he shall lose all rights to count as passed on any subject and must come up for full examination thereafter; and also that Mr. W. W. McKeague, having produced satisfactory proof of qualification, be added to the register of licentiate chemists on payment of the usual fees.

(Signed) G. W. McLAREN,  
B. M. CANNIFF,  
W. A. B. HUTTON.

The report was adopted, with the amendment that a candidate failing in the first examination must come up at the one immediately following.

Mr. W. W. McKeague and Mr. L. W. Leithhead attended before examiners, and producing certificates of qualification were admitted as chemists and druggists.

Following is the standing of the candidates who have passed :

MAJOR.	
A. T. Andrews.....	502.1
B. Storey.....	465.7
W. M. Harrison.....	463.5
E. T. Howard.....	430.9
F. A. McDonald.....	413.9
JUNIOR.	
T. W. Lines.....	406.6
Chas. McDonald.....	364.2
G. H. Cameron.....	356.9
A. E. Kelly.....	348.5

} Possible 600

} Possible 500

### College of Pharmacy.

The annual meeting of the Montreal College of Pharmacy was held in the College building, 595 LaGauchetiere street, on Thursday, May 4th, at 8 p. m., a goodly number of members being present, David Watson, Esq., president, occupying the chair. The minutes of the last meeting and also the annual report and financial statement were read by the secretary, Mr. Muir, all of which were approved and adopted. The report and financial statement were considered very satisfactory and shows the College to be in a prosperous condition, the balance cash on hand to the credit of the general fund being \$296.23 and of the building fund \$233.60, after having paid the Sun Life Insurance the sum of \$174 for interest and \$350 in reduction of the mortgage debt, leaving that liability now standing at \$2,500. The president in his address referred to the fact that this was the fifth time he had been unanimously chosen as their president, stating that he accepted the position this year with the distinct understanding that the vice-president should succeed him next year. Mr. S. Lachance and Mr. T. D. McLeish were nominated scrutineers, who, after counting the ballots, de-

clared the following gentlemen to be elected to the Executive Board, namely : Jos. Contant, A. D. Mann, J. E. Tremble, W. H. Chapman, W. S. Kerry, Ed. Giroux, jr., C. E. Scarff, A. J. Lawrence, and Jos. E. Morrison; these, with the following officers, namely, David Watson, president, C. J. Covernton, vice-president, and Alex. Manson, treasurer, will compose the board for the current year. The president now presented the gold medal to Mr. Herbert C. Harvey and a copy of Remington's Pharmacy to Wilfred L. Taylor, rewards of merit as licentiate of pharmacy and certified clerk respectively. Votes of thanks were passed to the president for his able supervision of the College affairs, also to the retiring board and to Mr. Muir for his efficient services as secretary. Upon the invitation of the president the members adjourned to another lecture-room for refreshments which had been generously provided by that gentleman.

### A Suggestion for the Summer.

In their trade bulletin for April 1, Talcott, Frisbie & Co., of this city, mention that they have ordered a carload of Tanglefoot fly paper for arrival May 1, and they proceed to figure up what that means. There are 50 sheets in a box, 10 boxes in a case, and 700 cases in a car. That means 350,000 sheets. Each sheet is capable of catching 1,000 flies. If every one does its full duty, 350,000,000 flies will be caught. Arranged in line these flies would make a procession 2,071 miles long. Carefully piled they would make a cube 90 feet on each side. The circular does not say whether this enterprising firm intends to exhibit in the cube or procession form at the end of the season. The people would vote for the procession with the nearest fly at the city limits and the line running thence 2,071 miles in any one direction. —*Hartford, Conn., Courant.*

### A Case of Suppressed Menstruation.

BY ARTHUR ROSITER COBB, M.D.

R. L., *a.* 18 years, came to my office with following history, viz :

Although of apparently good physical development, menstruation had never been normal, but, for past three years had occurred at regular periods of from three to six weeks, flow scanty, and accompanied by intense abdominal pain in the region of the ovaries and tubes; the pain was so severe as to cause, at intervals, for several days, marked attacks of syncope, followed by headache.

The case appeared to be one of acute amenorrhoea, and Apoline was exhibited, in usual doses, for three weeks, when menstruation occurred. To her surprise and gratification, the discharge was profuse, accompanied with but slight pain, no syncope or subsequent headache.

The last two periods have been normal.

I am pleased to report the beneficial action of Apoline in this obstinate case.

*Philadelphia, March, 1893.*

# "Vinolia" Soap.

## TESTS FREE.

TEST YOUR SOAP.

TEST YOUR SOAP.

TEST YOUR SOAP.

TEST YOUR SOAP.

WE will supply, free on application, tests for Soaps, with bona-fide reports from medical and other scientific journals, together with facts and figures showing "VINOLIA" Soap to be the **Purest, Safest and Best** for Skin Irritation, Toilet, Nursery and Bath.

PUREST, SAFEST, BEST.

PUREST, SAFEST, BEST.

PUREST, SAFEST, BEST.

PUREST, SAFEST, BEST.

### RECOMMENDED BY MEDICAL MEN.

*THE LANCET*, London, reports:—

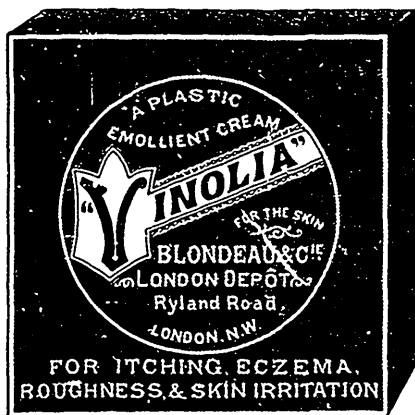
"Odour delicate and an article of excellent quality."

*THE BRITISH MEDICAL JOURNAL*, London, reports:—

"'Vinolia' Soap is of unquestionable excellence, and much in favour with the profession."

Floral 15c, Medical Balsamic 25c, Toilet Otto 35c and Vestal 85c per tablet.

Shaving Soap 30c, 40c & 60c per stick; flat cakes 50c. Vinolia Shaving Foam (in collapsible tubes) 50c & 85c.



FOR FACE SPOTS, INSECT BITES, RASH, &C.

"An emollient cold cream of much convenience in many minor skin ailments where a soothing protective is required."—*British Medical Journal*.

"'Vinolia' is an emollient cream for the skin in eczema, rash, eruptions, &c. It possesses a fragrance of distilled roses."—*Lancet*."

For acne spots on the face, and particularly for eczema, it is undoubtedly efficacious, frequently healing eruptions and removing pimples in a few days. It relieves itching as if by magic."—*Baby*.

50c, \$1.00, and \$1.75 per Box.

"VINOLIA" DENTIFRICE, English 75c; American 50c.



FOR CHAFES, TENDER FEET, OILY SKINS, &C.

"An impalpable rose dusting powder, soluble, of remarkable fineness, and well adapted for the nursery, toilet, 'weeping' surfaces, and sweating feet."—*British Medical Journal*.

"'Vinolia' Powder is well adapted as a dusting powder for toilet purposes."—*Lancet*.

Superseding the old toilet powders, which are apt to cause acne by blocking up the pores of the skin."—*Lady's Pictorial*.

In PINK, WHITE and CREAM.

50c, \$1.00 and 1.75 per Box.

**BLONDEAU & CIE., 73 & 75 WATTS STREET, NEW YORK.**

ENGLISH DEPOT: RYLAND ROAD, LONDON, N.W.



**SPECIAL  
OFFERS.**



**- NEW GOODS -**

Just received this Month :

Hance Bros. & White's FRUIT JUICES (Full Assortment.)  
 Delettrez Perfumes. Delettrez Florida Water.  
 Amaryllis du Japon Perfume (3 Sizes and Bulk.)  
 Amaryllis du Japon Soap and Sachets.

**CAUTION.**

**LUBIN'S + PERFUMES.**

*BEWARE OF IMITATIONS.*

We beg to call the attention of Druggists and Perfume Dealers of Canada to the fact that some unprincipled people have been offering for sale a perfume which in appearance resembles LUBIN.

Our labels, bottles and packing have been very closely copied, and in such a manner as to mislead the public.

The superior quality of our perfumes and toilet articles is well-known to you, and we solicit the kind assistance of the trade towards discouraging and preventing this fraud.

*PAUL PROT & CO., 55 Rue St. Anne, PARIS*

Proprietors **MAISON LUBIN.**

Essence Heliophar d'Arabic.

Savon and Poudre de Riz d'Arabic.

Ess. Bouquet XXeme. siecle.

Blondeau & Cie.—Vinolia Shaving Foam and Lypsyl.

Loonen's Tooth Brushes, etc. Ivory Soap.

Calvert's Carbolic Soaps. Woodbury's Facial Soap.

Cosmo Buttermilk. Gibson's Candy.

**Lyman, Sons & Co., - Montreal.**

**PHARMACEUTICAL ASSOCIATION OF THE PROVINCE OF QUEBEC.**

The semi-annual examinations of the Pharmaceutical Association of the Province of Quebec were held in the Montreal College of Pharmacy, 595 LaGauchetière street, commencing on Tuesday and closing on Thursday of this week. Nine candidates for the major and twenty-six for the minor examinations entered their names. Of these the following, named in order of merit, passed successfully, and are entitled to be registered as "Licentiates of Pharmacy" and "Certified Clerks" respectively, namely: As "Licentiates of Pharmacy"—Herbert C. Harvey (gold medalist), T. Emile Barbeau, J. A. René de Cotret, Thomas J. Quirk, A. F. Foss and Kenneth C. Campbell. As "Certified Clerks."—James Douglass Webb, W. L. Taylor, P. J. McCloskey, Geo. F. Morrison, J. E. Dubé, J. E. A. Gauvin, H. W. Reynolds, John J. Power, J. J. O. Vaillancourt, Alphonse Martineau, Wm. Lyman, H. J. Pilon, R. A. Taschereau, J. A. F. Bertrand, with W. J. Furse and E. H. Lawson (equal.) The examinations were written and oral, and the subjects examined upon were; Chemistry, Pharmacy, Materia Medica, Toxicology, Practical Dispensing, Botany, Reading of Prescriptions and Weights and Measures.

The examiners were Messrs. S. Lachance, John T. Lyons and W. H. Chapman, Montreal; A. S. DuBerger, Waterloo, and R. W. Williams, Three Rivers.

**Pharmaceutical Association of the Province of Quebec.**

WRITTEN MAJOR EXAMINATION.

*Montreal, April 18th, 1893.*

N.B.—You are requested to

1. Write on one side of the paper only.
2. Number and letter your answers so as to correspond with the printed questions.
3. Number the sheets of paper in their proper order and attach them together; then fold them up and place your number on the outside.

**MATERIA MEDICA AND TOXICOLOGY.**

1. Wild Cherry. — (a) What is the technical name? (b) What is its origin? (c) What is its habitat? (d) Give the general description. (e) When should it be gathered and from what part of the tree?
2. Give the botanical name, habitat and natural order of each of the following: (a) Calumba, (b) Gentian, (c) Ipecacuanha, (d) Senega, (e) Cascara Sagrada, (f) Rhatany.
3. What order of plants furnish respectively: (a) Tolu, (b) Colocynth, (c) Chrysarobin, (d) Cubebs, (e) Jalap, (f) Senna, (g) Ammoniacum, (h) Elaterium.
4. What would you give in a case of poisoning

by, Paris green, iodine, carbolic acid and concentrated lye?

**BOTANY.**

1. What are roots and how do they grow? Describe the different kinds of roots giving one example of each. How would you distinguish a piece of root from that of a stem?
2. What are stomates? Give a description of them and state what purposes they serve; also specify the exact parts on which they are found in maple trees, onion plants and water lilies.
3. Give the differences between a parasite and an epyphite, describing the means by which both derive their nourishment and live, and if they contain any chlorophyle.
4. What is bark? State the different layers that compose ordinary bark, naming the kind of cellular tissue contained in each layer.

**CHEMISTRY.**

1. How may commercial cyanide of potassium, also pure cyanide of potassium be made? (b) Show by equation that one grain of cyanide of potassium pure is stronger cyanide dose than twenty minims of hydrocyanic acid dil.
2. Describe glucosides. Name six and state whence they come, (one at least out of the six must be official in the B. P.) State which of those you name is official and describe their physical characters.
3. A body composed of O, H, N, gives the following percentage:

O . . . . .	76.19
H . . . . .	1.58
N . . . . .	22.22

100.00

- (a) Show its formula by equation. (b) Name the compound. (c) Give specific gravity and strength of official solutions and characteristic tests.
4. Give a diagram of the official process for the preparation of ferrous sulphate. (b) In what respects do the official sulphate of iron, granulated sulphate of iron and dried sulphate of iron differ?

**PHARMACY.**

1. Give the B. P. process for the manufacture of salicylic and oleic acids. Give the formula and characters of one B. P. compound of each, with dose, if for internal use.
2. State official specific gravities and strength of liq. ferri perchlor, liq. potassæ, acid sulph. arom., liq.-plumbi subacet.
3. State the solubility of the following in water and alcohol, temperature being 60° F.: (a) Boracic acid, (b) acetanilid, (c) gallic acid, (d) phosphate of sodium, (e) corrosive sublimate, (f) oxide of zinc, (g) chlorate of potassium and (h) acetate of potassium.
4. Describe the method of preparing pepsin and pancreatin. What is the B. P. test for pepsin and its dose? What is peptone?



## Pharmaceutical Association of the Province of Quebec.

WRITTEN MINOR EXAMINATION.

*Montreal, April 18th, 1893.*

N.B.—You are requested to

1. Write on one side of the paper only.
2. Number and letter your answers so as to correspond with the printed questions.
3. Number the sheets of paper in their proper order and attach them together; then fold them up and place your number on the outside.

### MATERIA MEDICA.

1. Define materia medica and how it differs from pharmacy. What are the regulations for the sale of the poisons enumerated in schedule A in the Pharmacy Act?
2. Give the dose and properties of (a) arsenious acid, (b) aloin, (c) apiol, (d) lactucarium, (e) elaterium, (f) resorcin.
3. Give the strength of (a) liq. morph. hydrochl., (b) liq. hydrarg. perchlor., (c) liq. atrop. sulph., (d) liq. strych. hydrochl. Give their doses.
4. Give the properties and doses of (a) citrate of iron and quinine, (b) citrate of iron and strychnine. What percentage of quinine should a B. P. sample of the first contain, and what percentage of strychnine is usually contained in the second?

### CHEMISTRY.

1. Give the technical name and chemical formula of each of the following with its molecular weight: (a) Salts of tartar. (b) Rochelle salts, (c) sal prunelle, (d) glauher salts, (e) lunar caustic.
2. Define analysis, synthesis, decomposition and chemical combination.
3. What is the difference between sulphides, sulphites, sulphates and hyposulphites? Describe the method of preparing sulphuretted hydrogen gas.
4. (a) Name the sources of potassium, (b) give the source, formula and characters of carbonate of potassium, (3) state the chemical formula of caustic potash.

### PHARMACY.

1. Give six official liquid preparations containing drugs of animal origin, their composition, strengths and doses, if for internal use.
2. How much atropine is required to make four ounces of a 5% solution.
3. How many grains of hydrate of chloral is required to make one ounce of syrup of chloral, and how many grains of iodide of iron are there in each drachm of the official syrup? Give the dose of each syrup.
4. Criticise the following prescription and translate the direction into French:

R   Hydrargyri Perchloridi . . . ʒss  
       Potassii Iodidi . . . . . ʒi  
       Syrupi Sarsae . . . . . ʒvi  
 Miscæ fiat mistura.

Sig.—Capiat unum cochleare amplum, ter in die, ex cyatho aquæ frijiidæ, statim post cibum.

## Another Customs Case.

Mother Seigel is in trouble with Her Majesty the Queen. The famous purveyor of syrup and pills also sends to the Canadian public an article known as "soothing plasters," which are sold to the trade at \$21.60 per gross, retailing at 25 cents, and are of course guaranteed to cure all mundane ills. These plasters are imported from the United States, where they are made by manufacturing chemists, who sell them generally at \$4 per gross. Mother Seigel, or rather her agents, the firm of A. J. White & Co., print her name on the plasters imported, and then put them on the market here. The Customs duty has hitherto been paid on \$4 per gross, but Mr J. D. L. Ambrose, the Customs appraiser, has demanded an amended entry, contending that the plasters should be entered at \$21.60 less the value of the printing done here. The importers, who are represented by Mr. R. D. McGibbon, Q.C., allege that no Mother Seigel plasters are sold in the United States and that \$4 is the proper value for duty. They have forwarded a large number of affidavits to the Hon. N. Clarke Wallace, Comptroller of Customs. The law on which Mr. Ambrose founds his ruling was recently passed and no similar case has yet arisen.

## Announcement From Department of Physiological Remedies of Parke, Davis & Co.

We learn with much interest that Messrs. Parke, Davis & Co., of Detroit, Mich., have undertaken the manufacture of some of the newer physiological remedies. They are now prepared to supply desiccated thyroids and cerebrin, and expect to extend this list materially. The following announcement is made by this enterprising firm:

As a result of the well known investigations of Dr. Brown-Sequard and other eminent therapeutists, the materia medica has recently been largely extended by resorting to the use of products representative of certain glands or tissues of the animal economy. As we have always made the manufacture of digestive ferments a specialty, and enjoy every facility for the preparation of products of this character, we are undertaking to supply some of these newest remedies, of which we now have ready Desiccated Thyroids and Cerebrin.

Desiccated thyroids are in the form of impalpable powder representing in permanent form the thyroid glands of sheep. This product is of such strength that 15 grains represent one gland of the average size. Desiccated thyroids are highly recommended in the treatment of myxœdema.

Cerebrin is prepared after the formula of Dr. William A. Hammond, and is put up in glass-stoppered ounce vials. While Dr. Hammond has re-

commended maceration of the brains for six months, we have modified his method in such manner that we are enabled to thoroughly extract the crude material in as many days.

One serious drawback to the use of these products has been the difficulty in getting the necessary crude material, and the disagreeable character of the work involved in their preparation.

Again, it is only by the most scrupulous attention to the minutest details that asepsis in the finished article can be secured and assured.

The well known reputation of our house is a guarantee of our ability and intention to fulfil every requisite. We do not doubt that many interesting results will follow the treatment of myxœdema by desiccated thyroids.

It is our purpose to extend this list from time to time. Descriptive literature of those announced will be supplied on application.

### Davis, Staples & Co.

ALONZO STAPLES GOES OUT, MR. MACK, OF ST. JOHN, GOES IN.

Another drug store has been added to the already overburdened list of that class of shops in this city. Alonzo Staples, who has for years been the visible head of the firm of Davis, Staples & Co., has gone out of the concern, and will open up a drug store in the building recently occupied by G. I. Gunter as an express office. It is apparent that Mr. Staples was that part of the company which made the business successful, and that he will carry with him all his old friends. The firm will now be known as Davis, Mack & Co. Mr. Mack is a stranger to the townsmen, as also to the farmers of the vicinity, and other things being equal, will not and cannot expect to carry the trade which Mr. Staples has done. His brother druggists will not oppose him, but of course it is natural that they should be anxious to help along one of themselves. Mr. Staples leaves the firm with a great deal more knowledge of human nature than when he entered that firm, and if he has not advanced in pocket it is certain he has learned where to look for friends. In opening up he will have the best wishes of all his old patrons and a host of new ones.

The Davis part of the old concern is pretty generally believed to be George F. Gregory, although he has not been considered a practical chemist, whatever his other abilities may be. It is presumed that Mr. Mack will be a wiser man in respect to the drug business in this city within a year from this than he is at present; and will likely also gain other experience that will perhaps prove beneficial to him after he leaves the city.

### NOTES ON ESSENTIAL OILS.

**CAMPHOR OIL.**—Since the examination of this oil by Messrs. Schimmel, and the publication of their suggestions as to the practical application of

its constituents, in 1885, considerable attention has been directed to it, but the importation from Japan has fallen off. As a material for artists the more volatile portion has been found very useful, as its capacity for dissolving resins is greater than that of turpentine or any other essential oil.

**CASSIA OIL.**—The previous reports have furnished ample information as to the source and preparation of this oil, but there is still some uncertainty as to the conditions influencing its quality. Oil containing only from 45 to 55 per cent. of cinnamic aldehyde has again come into the Chinese market, and it is stated to be absolutely pure. This deficiency is accounted for by the statement that young and imperfectly ripened material always yields such oil. On examination Messrs. Schimmel found that the oil was not to be distinguished by its external appearance and characters from oils of the best quality. It did not contain rosin, fat, oil, petroleum, or any of the coarser adulterants. This oil has been rejected by the Hong Kong merchants, but some of it has found its way to India and places where low price is the chief attraction, and there is but little appreciation of quality. The explanation given by the Chinese of its inferior character cannot be summarily rejected, since it is possible that young leaves may contain a considerable proportion of the acetic ester of cinnamyl ( $C_6H_5OAc$ ), and that cinnamic aldehyde may be formed from that by oxidation during the growth of the plant. But it is more probable that this inferior oil is derived from other parts of the plant, or from another species of the genus *Cinnamomum*. Messrs. Schimmel remark that the previous history of this subject furnishes no inducement to believe the statements made by the Chinese, and they reserve their opinion until they shall have examined the raw material from which the inferior oil is obtained. Meanwhile they recommend that the determination of cinnamic aldehyde should be made the test of quality in purchasing the oil, and they state that the oil imported since last October has been found to contain at least 85 per cent. and sometimes as much as 94 per cent. of cinnamic aldehyde.

**BERGAMOT OIL.**—For many years the examination of this oil has been limited to the determination of its physical characters, and it is only within the past year that the acetic ester of linalool has been recognized as its most important constituent. This fact pointed to a means of determining the quality of the oil, as the ester is the odorous constituent. By a saponification method described under the head of "Lavender Oil," the normal amount of ester has been found to be about 40 per cent., and the test may be relied upon for ascertaining the quality of bergamot oil. The chief adulterants are turpentine, orange, and lemon oils. All three reduce the solubility of bergamot oil in dilute alcohol, as well as the specific gravity and, of course, the amount of ester. The presence of orange oil is also indicated by its high optical rota-

tion. In the examination of bergamot oil it is necessary in the first place to determine the specific gravity and the rotatory power. The alcohol test requires to be made more stringent—the oil should dissolve at 20° C., in from 1.5 to 2 volumes of 80 per cent. alcohol. Slight turbidity, increasing on addition of more alcohol is due to separation of bergaptene; but no drops of oil should remain undissolved. Distillation of the oil under normal atmospheric conditions causes considerable decomposition, and this treatment is quite useless for the purpose of valuation. The results of a long series of experiments have proved that oil containing a high amount of ester is distinguishable from those kinds containing smaller amounts by the higher specific gravity and greater solubility in alcohol of 80 per cent. Oil of undoubted purity pressed by Messrs. Schimmel was found to contain more ester than any other kind, and it is probable that a perfectly pure oil is not to be met with in commerce. Experiments with mixtures of bergamot oil and turpentine, orange or lemon oils, have shown that the ester determination may be fully relied upon, and as a minimum amount there should 38 per cent. The specific gravity should not be under 0.881 at 15° C., and the optical rotation not more than 20° with a column of 100 mm. Practical experience has long proved that distillation of the oil is injurious, and that the much less convenient process of pressing must be preferred on that account. Experiments have shown that distilled oil contains much linalool, as a consequence of the decomposition of the ester, and by acetylating a distilled oil containing only 12 per cent of ester the amount of ester was increased to 61.5 per cent. Even pressed bergamot oil contains some linalool, and a sample containing 37 per cent. ester was found after acetylation to contain 47 per cent. ester. It may probably be assumed that the oil obtained by distilling the residue of the pressing operation is used for adulterating the pressed oil, and that would account for the frequently small amount of ester, as well as the low specific gravity of the commercial oil as compared with absolutely pure pressed oil.

LEMON OIL.—As the general result of further investigation, it has been found desirable to apply tests of increased stringency in judging of the purity of this oil. The determinations of optical rotation and specific gravity are of special importance, since the admixture of turpentine oil—almost the only adulterant—has the effect of reducing the rotatory power and increasing the specific gravity. By comparison of a number of samples with oil of known purity, expressed by Messrs. Schimmel, it appears that pure lemon oil of good quality should have a specific gravity of 0.858 to 0.859 at 15° C., and an optical rotation of not less than +60°, with a column of 100 mm. But these data are by no means sufficient indications of quality, which can only be determined satisfactorily by ascertaining the amount of citral present. It has

not yet been possible to do that; but Messrs. Schimmel are endeavoring to devise a method suitable for that purpose, and they have reason to believe that they will succeed. In reference to the recently established production of a concentrated lemon oil—wholly or partially deprived of terpene, a question is raised as to what may be expected to become of the by-products of that operation, consisting of a mixture of pinene and limonene, possessing some lemon odour, but almost destitute of citral.

SWEET ORANGE OIL.—Similar observations of the characters of this oil have been instituted, and the conclusion arrived at is that it should have a specific gravity of .850 at 15° C., and a rotation of at least 95°. Addition of turpentine to the oil reduces the rotation and increases the specific gravity.

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Half pound boracic acid to one gallon cold water. When cold mix a little lime with it and then apply with a brush; the lime is used to show where the dressing has been applied.

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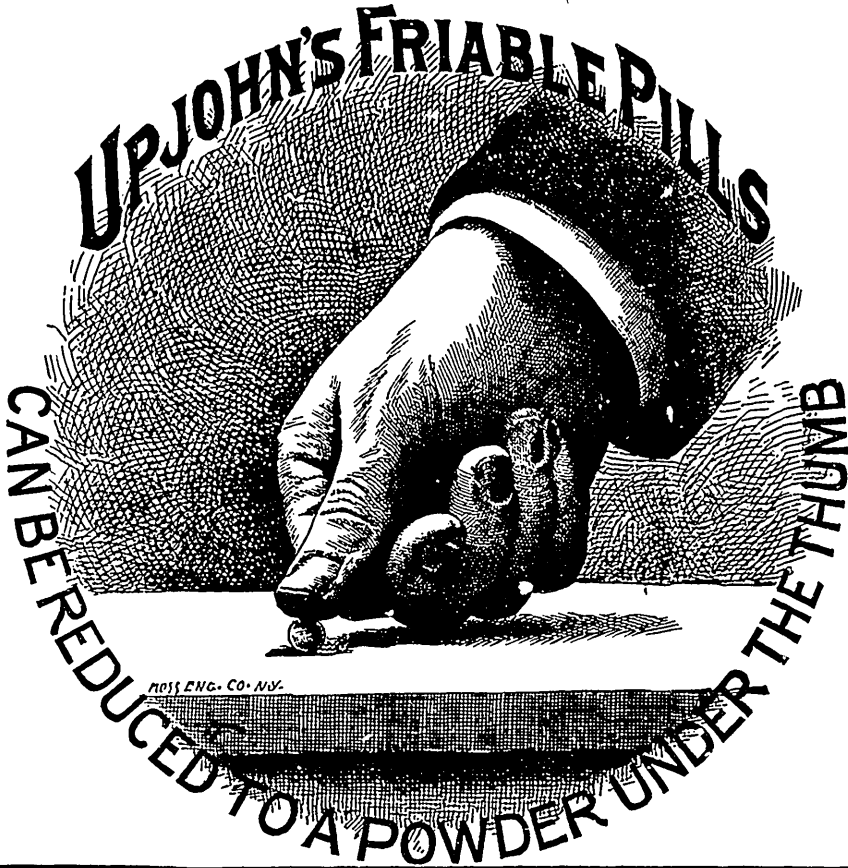
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" colchici corm . . . . .	lb	25	
" opii . . . . .	lb	1 20	
" scilla . . . . .	lb	12	
Acetanilid . . . . .	lb	1 00	oz. 15
Acid. acetic glac. . . . .	lb	40	Whr. qt. 35
" " fort. . . . .	lb	12	carboy 10
" benzoic German . . . . .	oz	15	lb 1.75
" " " ozs. Hwds . . . . .	ozs.	25	Bulk 20
" boracic . . . . .	lb	20	pulv. 22
" butyric conc. . . . .	oz	30	lb 3.75
" carbolic No. 5 Cal. . . . .	gl	1 50	
" " common . . . . .	gl	1 00	
" " cryst. . . . .	lb	35	10 lbs 32
" " No 1 Calverts. . . . .	lb	2 25	
" " No. 2 " . . . . .	lb	1 40	
" " " " . . . . .			10 lb tins 1.10 lb
" chromic . . . . .	oz	10	lb 1.00
" chrysophanic . . . . .	oz	40	
" citric . . . . .	lb	65	
" " pulv. . . . .	lb	70	
" gallic . . . . .	oz	10	lb 1.25
" hydro-bromic dil. . . . .	lb	50	
" hydrochloric . . . . .	lb	5	carboy 2½
" " C.P.s.g.1.19. . . . .	lb	25	Wins. 20
" " pur Eng. . . . .			Wins. 18
" hydrocyanic P B. . . . .	doz.	90	in 1 oz. 10c per oz.
" " Scheele's doz. . . . .		1 00	do 10c do
" hydrofluoric (in patent)			½ lb bottles .50 ea.
ceresine bottles . . . . .			1 lb " 1.25
" lactic dilutum . . . . .	lb	1 15	
" " conc. pur. . . . .	lb	2 75	
" nitric . . . . .	lb	15	Wins. 12 carboy 8½
" " C.P. s.g.1.42. . . . .	lb	27	Wins. 23
" " pur Eng. . . . .			Wins. 20
" nitro-hydroch. dil. . . . .	lb	15	
" oleis pur. . . . .	lb	45	
" oxalic . . . . .	lb	12	50 lb 10
" perchloric . . . . .	oz	30	
" phos. dilut. . . . .	lb	17	Whr. qt. 14
" " glac. pur stick. . . . .	lb	1 20	
" " syr. . . . .	lb	50	
" picric . . . . .	lb	70	
" pyrogallic Schering's . . . . .	oz	40	8 oz. 35
" pyroligneos . . . . .	lb	10	gall 50
" salicylic . . . . .	lb	2 00	
" sulphuric . . . . .	lb	4	carboy 2½
" " C.P. s.g.1.84. . . . .	lb	25	Wins. 20
" " pur Eng. . . . .			Wins. 18
" " aromat. . . . .	lb	50	
" sulphur pur . . . . .	lb	18	
" sulphuros . . . . .	lb	10	5 Galls. 8¼
" tannic . . . . .	lb	80	5 lb 75
" tartaric pulv . . . . .	lb	40	10 lbs 38
" valerianic . . . . .	oz	25	
Aconitina exot. . . . .	gr	4	60 gn. 3
Adaps benzoatus . . . . .	lb	35	
Æther S. G. 735 . . . . .	lb	45	Whr. qt. 40
" " acetic . . . . .	lb	55	do 50
" " butyric conc. . . . .	oz	20	lb 2.50
" " chloric . . . . .	lb	65	Whr. qt. 60
" Anæsthetic tin 500 gms . . . . .		1 50	each. } Squibbs
" " " 250 " . . . . .		80	" " }
" " " 100 " . . . . .		40	" " }
" " L. S. & Co { 1 lb tins 1.00 lb			
" " " { ½ lb tins 1.10 "			
" " " { ¼ lb tins 1.20 "			
Alcohol brl. . . . .	cash	3 85	{ 10 gall 4.15 5 gall
" " absolut . . . . .	lb	1 25	4.20 1 4.25 in a/c
" " methylated . . . . .	gal	2 00	Wr. 1 20
Aloes Barb. . . . .	lb	30	Brl. 1 75 cash
" " pulv. . . . .	lb	35	10 lb 25
			dq 32

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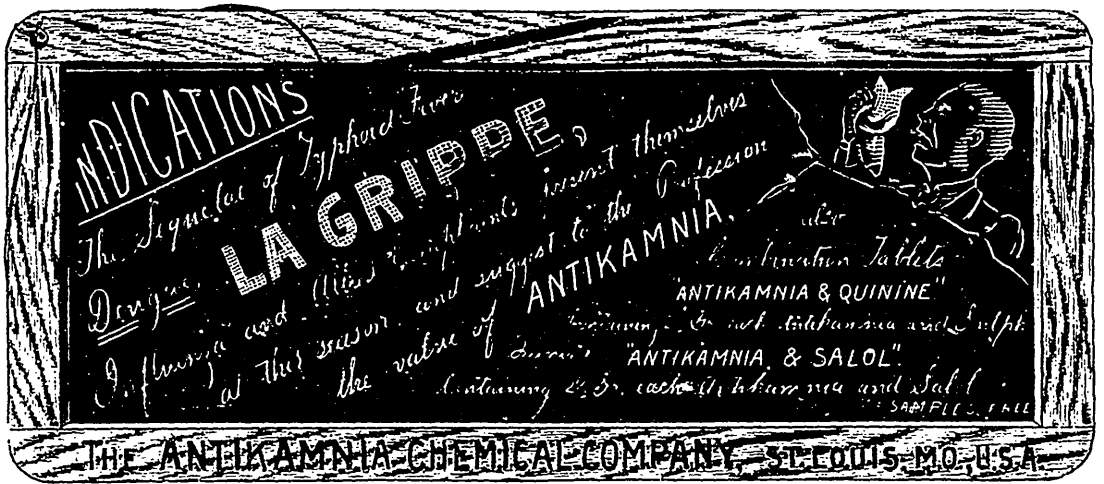
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" chrom.....	lb	15		
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Ammonii benzoas, from gum	oz	25	lb	3.50
" bromid.....	lb	65	1 lb bottle	75
" carb.....	lb	18		
" " kegs.....	lb	10		
" " pulv.....	lb	20		
" " resub.....	lb	55		
" chlorid.....	lb	12	100 lb	10½
" " gran.....	lb	12	100 lb	11
" " pulv.....	lb	13		
" " pur.....	lb	25		
" hydrosulph.....	lb	40		
" hypophosph.....	oz	25	lb	3.00
" iodid.....	oz	45	lb	6.00
" molybdas.....	oz	30		
" monocarb.....	lb	35		
" nitras gran.....	lb	35	25 lb	30
" " crist.....	lb	35	25 lb	30
" oxalas pur.....	lb	75		
" phosph.....	lb	1	50	
" salicylat.....	oz	40		
" sulphas com.....	lb	9	pur	25
" tartras.....	lb	1	60	
" valerian.....	oz	40		
Amygdala amara.....	lb	60		
Amyl nitras.....	oz	20		
" nitrite.....	oz	15		
" valerian.....	oz	35		
Amylum pulv.....	lb	10	cwt.	8½
Annatto Hispan opt.....	lb	50		
" Fullwood ½ oz & 1 oz	lb	1	00	
Antim crocus pulv.....	lb	28		
" nigrum pulv.....	lb	11	50 lb	9
" oxid.....	lb	65		
" sulphurat precip.....	lb	50		
" tartarat pulv.....	lb	45	10 lb	42
Antikamnia.....	oz	1	85	
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Apiol green.....	oz	75		
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" anisi.....	lb	10		
" aurantii flor trip ..	lb	25	Win qt	20
" camph.....	lb	10		
" carui.....	lb	10		
" cassia.....	lb	10		
" cinnam.....	lb	20		
" destillata.....	gl	12	carboy	10
" floridae.....	gl	4	50	
" lauro-cerasi.....	lb	25	Whr qt	20
" menthae pip.....	lb	10		
" rosæ.....	lb	25	Whr qt	20
" sambuci flor ..	lb	25		
Argenti chloridum.....	oz	2	50	
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" nitras cryst. L. B. & Co.	oz	90	11.00 lb	cash
" " fus (4 to oz)	oz	1	00	
" oxidum.....	oz	2	60	
Aristol.....	oz bottles	1	95	10 oz. 1 35
" " " oz cartoons		1	90	10 oz. 1.80
Arsenicum alb. pulv.....	lb	9		
" " rab ".....	lb	12		
Arsenici bromid.....	oz	40		
Asphaltum exot.....	lb	13	100 lbs	11
Atropina pure.....	dr	1	00	
Atropina sulphas.....	dr	75	oz	4.00
Auri chloridum (15 gr).....	doz	3	60	L. B. & Cos. 4 50

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Eucalyptol à l'Hélinine, Eucalyptol Phosphoré,  
Phosphate de Soudo, Ercotinine, Hypophosphite  
de Strychnine, Quinine, Chlorure double de fer  
et de Quinine, Salicylate de fer, Sparteine,  
Menthol, etc., etc.

Injections Sequardiennes.

Suc Verticulaire.

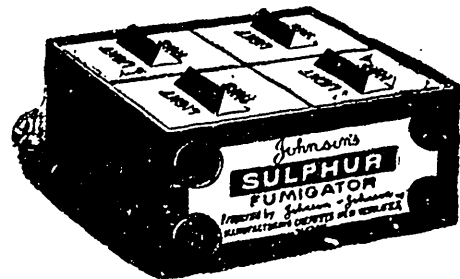
Substance Giue.

Bacon auranti.	lb	26	
" capsiol.	lb	25	pulv. 30
" cascio.	lb	30	pulv. 35
" otobero	lb	45	
" " pulv.	lb	60	
" juniper.	lb	10	10 lb 8
" Juniper pulv.	lb	14	10 lb 12
" xanthoxylon	lb	50	
Baccas pimentos.	lb	12	
" " pulv.	lb	14	25 lb boxes 13
Balsam canad.	lb	45	Whuch. 40
" copalibo.	lb	75	Whr. qt. 70
" peruvian.	oz	20	lb 2.00
" tolu.	lb	60	
Baril carb. pur.	lb	35	
" chlorid pur.	lb	25	
" hypophos.	oz	25	
" ultras exsio.	lb	20	
" ultras C. P.	lb	35	
" sulphate pur.	lb	50	
" sulphido "	oz	10	
Bath Pipe.	lb	40	
Bay rum St. D.	gal	75	sec. 2.75
Boberinus sulphur.	oz	90	
Benzoin refined.	gal	40	
Bismuthi carb.	lb	30	
" " ultras.	oz	20	
" " ot ammon-elt.	oz	35	lb 4.50
" " sulleyna.	oz	35	
" " subnitras.	lb	2.75	10 lb 2.50
" " valerian.	oz	50	
Bismuthum (metal).	lb	3.25	
Bolo armen.	lb	7	
Borax	lb	11	keg 9
" pulv.	lb	12	do 10
Bromoform	oz	40	
Cadmium	oz	10	lb 1.20
Cadmil bromid.	oz	20	lb 2.00
" iodid.	oz	45	
" sulphas.	oz	20	
Caffoina pur.	oz	25	
" citras.	oz	25	
Calamina preparata.	lb	7	
Calcii bromid.	oz	20	lb 2.50
" carb. precip.	lb		V. Creta precip.
" chlorid. cryst.	lb	25	
" " fusum pure.	lb	30	
" " fuscid crude.	lb	15	
" hypophosphis.	lb	1.50	
" lactophosph.	oz	15	lb 2.00
" nitras.	lb	75	
" phosphas precip.	lb	28	
" sulphas.	lb	3	brl. 2
" sulpho-carbolas.	lb	2.50	
" sulphid.	lb	50	
" sulphis.	lb	18	pulv. 20
Calx chlorinata.	lb	5	keg 4 brl. 3 1/2
" " in packets 1 lb	6, 1/2	7, 1/2	8
Camphora Amer.	lb	75	brl 70
" " cakes.	lb	80	case 75
" Ang. Hd's	lb	75	
" " oza.	lb	90	
" " flowers.	lb	80	
" Dutch.	lb	70	
Camphor monobromid.	oz	20	
Cantharides Russian.	lb	1.40	pulv. 1.50
" Chinese.	lb	—	do 90
Cantharidino.	grain	8	
Cap papav. alb.	100	1	00
Carbo animalis pulv.	lb	12	
Carbo ligni.	lb	6	
Carbo ligni pulv.	lb	10	brls 5.50 each
Carbon bisulphidum	"	20	Whrqt 15 drums 12
Carmino	oz	40	lb 5.25
Caryophyllum	lb	20	30 & 50 pulv 25
Cassia fistula.	lb	30	25.50

# JOHNSON'S SULPHUR Fumigators CANDLES

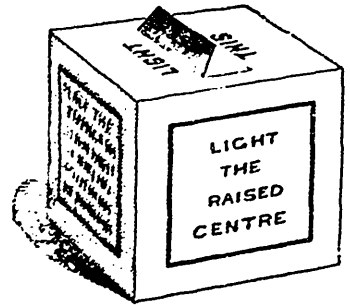
In the form of

4 Fumigators in a fire-Proof Box.



ONE OR MORE CAN BURN AT ONCE.

One enough  
for a  
Small Room.



Sell one for 10 cents.

Box (of 4) for 30 cents.

Cost \$2.50 for 1 doz. boxes, 48 Fumigators

ORDER OF JOBBER

## Johnson's Fumigator Square.

For Descriptive List of

J. & J.'s goods, apply to

### THOS. LEEMING & CO.,

25 St. Peter Street.

MONTR



*GEORGE WATERSTON & SONS,*  
LONDON AND EDINBURGH.

## Mrs. Winslow's Soothing Syrup

is an OLD and WELL TRIED REMEDY, and for over FIFTY YEARS has been used by millions of mothers for their CHILDREN while CUTTING TEETH with perfect success. It soothes the child, softens the gums, reduces inflammation, allays all pain, cures wind colic, is very pleasant to the taste, and is the best remedy for diarrhœa. Sold by druggists in every part of the world. PRICE TWENTY-FIVE CENTS A BOTTLE. Be sure and ask for MRS. WINSLOW'S SOOTHING SYRUP and take no other kind, as mothers will find it the Best Medicine to use during the teething period.

## BUFFALO LITHIA SPRINGS. No. 2.

The waters from these Springs have been recommended by the leading doctors in the United States as very beneficial in cases of affections of the nervous system. The waters belong to the alkaline class, and can be used as a remedy for Gout, Rheumatism and Stone in the Bladder.

**THOS. F. GOODE,** Proprietor,

**Buffalo Lithia Springs, Va.**

Castoreum.....oz	1 00	lb 12.00	
Cera alba.....lb	65	see 45	
" " paraffin, opt.....lb	25	50 lb 20	
" " ".....lb	18	50 lb 18	
" flav opt.....lb	40	apoc 35	
" lithographers.....lb	50		
Ceril oxalas.....oz	10	lb 1.20	
Cotococum.....lb	55	10 lb 50	
Cetrar island.....lb	10		
Chirata Indis.....lb	40		
Chloralamid.....oz	85		
Chlorodyne Lyman's.....lb	2 00		
Chloral Hydrate recryst.....lb	1 25	10 lb 1 15	
Chlorof pure Smith's 1 lb g.s. bs. lb	65	Whr. qt 60	
" D. F. & Co's pur.....lb	1 75	5 lb 1.70	
" " meth.....lb	85	5 lb 80	
" Merok 1 s.....lb	65		
" " 38-lb tins.....lb	55		
Cinchonidin sulph.....oz	15	Hda. 20	
Cinchonine murias.....oz	15		
" sulphas.....oz	15		
Cocaino hydrochlor orys.....oz	7.50	1/2 oz 8.00 1/4 oz 8.50	
Cocculus Indicus.....lb	10	pulv 20	
Coccus cacti S. G.....lb	40	pulv 45	
Codeina.....oz	90	oz 6.00	
" Sulph.....dr.	90	oz 6.00	
Colchici corm.....lb	45		
Collodium.....lb	65		
" vesicans, P. B.....lb	2 25		
" flexile.....oz	60		
Colocythis Turo select.....lb	75	pulv 85	
Confectio rosæ Gallic.....lb	50		
" sennæ.....lb	25		
Cortex aurantii Ang.....lb	50		
" " coml.....lb	15		
" " opt. 1/8.....lb	20		
" canella.....lb	20	pulv 25	
" cascara sagrada.....lb	25		
" cascarilla.....lb	25		
" cassia.....lb	18	pulv 18, 25 lb box 16	
" cinchon flav.....lb	90	pulv. 1.00	
" " coml.....lb	30	pulv. 85	
" " rub quill.....oz	60	pulv. 70	
" granat fruct.....oz	65		
" " radices.....oz	30		
" limonis ang.....oz	65		
" " com.....oz	16		
" mezerol.....oz	25		
" myricæ (bayberry).....oz	20		
" pini virginianæ.....oz	15	20 lbs 12	
" quillairæ.....oz	15	grd. 20 pulv. 25	
" sassafras.....oz	18	pulv. 22	
" ulmi.....oz	16	pulv. 16 grd 14	
Crocot. Ang (Morson's).....oz	20	lb 2.25	
" (Beechwood) Merck's.....lb	2 25		
" " French.....lb	2 75		
" " white, from coal tar.....lb	75		
Crota gallic.....lb	18		
" " pulv.....lb	5	bgs. 3 1/2	
" præcip.....lb	10	keg 8	
" præparata.....lb	5	50 lbs 4	
Crocus stigmat amer.....lb	1 25		
" " valent.....oz	90	Alicante 75c oz.	
Croton chloral-hydrate.....oz	60		
Cudbear.....lb	20		
Cupri ammonio-sulphas.....lb	1 00		
" chloridum pur.....lb	60		
" nitras pur.....lb	60		
" oxidum nigr. pur.....lb	1 75		
" " coml.....lb	50		
" sulph.....lb	7	keg 5 brl 4 1/2	
" " recryst.....lb	25		
Cuprum scales.....lb	40		
Currie powder.....lb	35		
Cusso ".....oz	16		



**WIRE CORKSCREWS.**

PLAIN--Tinned Wire.

STAMPED--Name in Raised Letters stamped to order.

DECORATED--Enameled Tin handles with name or advertisement printed to order.

---Prices and Samples on application.---

**GILMOUR & CO., MONTREAL.**



**CHASE'S LIQUID GLUE.**

Fish Glue will be found stronger than any other glue, and being liquid is always ready to use. Does not require heating.

PACKAGES--1 OZ. TO 5 GALS.

-- Chase's Mucilage --  
**GILMOUR & CO., MONTREAL.**

**TURKISH DYES.**

.... Seventy-four Colors ....

.... Fast Shades ....

**BRAYLEY, SONS & CO.**  
MONTREAL.

**GOVERNTON'S SPECIALTIES**

On and after this date, the price for our Preparations will be as follows . . . .

Tooth Wash.....25c	Size	1 Doz.	3 Doz.	Gross.
" ".....50c	"	\$2.00	\$1.75	\$20.00
" ".....\$1.00	"	4.00	3.50	42.00
Syrup Wild Cherry.....25c	"	2.00	1.75	20.00
Alpine Cream.....25c	"	2.00	1.75	20.00
Blackb'ry Carminative.....25c	"	2.00	1.75	20.00
Nipple Oil.....25c	"	2.00	1.75	20.00

Orders under 1 gross, 5 per cent. for Cash.  
1 gross and over, 10 and 5 off.

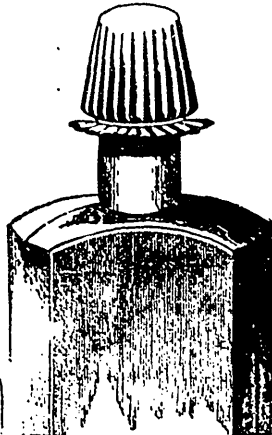
**G. J. COVERNTON & CO.,**  
Cor. Bleury & Dorchester Streets.

# HUNT'S SYSTEM



ELASTIC BANDS,  
3d. per gross.

STICKS, 1d. each.



SIMPLE.

EFFECTIVE.

"Impossible to imitate by manipulation."

## HUNT'S BOTTLE CAPS.

Nos.	for	GROSS.
0, 1, 2, 3,	phials, 1/2 oz. to 2 oz.,	35c
10, 20, 30,	" " " "	35c
3B, 4, 4B,	" " 3 " " 6 "	40c
5, 5B,	" " 8 "	45c
5 1/2,	" " 10 "	45c
6,	" pints,	50c
39,	" Winch. quarts,	60c

The sizes 3B, 4B, and 5B are better adapted for Thick-lipped Bottles or where Short Corks are used.

Nos. 10, 20, 30 for Short Necked Phials.

## MANSELL, HUNT, GATTY & Co. (Ltd.)

Gressy Road, Hampstead,  
LONDON, ENG.

FOR SALE BY  
LYMAN, SONS & CO., Montreal, Que.  
LYMAN, BROS & CO., Toronto, Ont.



## TRUSSES.

### I. B. SEELEY & Co.

For Twenty Years exclusive Manufacturers of

Hard Rubber Trusses, Supporters and Pile Pipes,

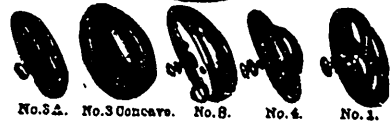
ALSO ALL KINDS OF

Leather and Elastic Trusses.

Abdominal and Uterine Supporters, Shoulder Braces, Elastic Stockings, Knee Caps, Anklets, Body Belts, Rheumatic Bandages, Suspensories, etc.

Seeley's Hard Rubber Trusses,

MADE IN EVERY DESIRABLE PATTERN.



Will successfully retain the most difficult form of HERNIA or RUPTURE with comfort and safety, thereby resulting in a radical cure. Impervious to moisture, may be used in bathing; and fitting perfectly to form of body, are worn without inconvenience by the youngest child, most delicate lady, of the laboring man, entirely avoiding all sweaty, sour, padded unpleasantness, being light, cool, cleanly, and always reliable. Endorsed by leading Surgeons, Physicians, Medical Colleges, both here and in Europe. Over 100,000 applied in Philadelphia.

Avoid the various imitations made to look like SEELEY'S and to sell on the enviable reputation acquired by our goods during the past 25 years, by purchasing only Hard Rubber Trusses, stamped, spring and strap, "I. B. SEELEY & CO.—Warranted."

ESTABLISHMENT :

25 S. ELEVENTH STREET,

PHILADELPHIA, U. S. A.

"Mechanical Treatment of Hernia and Illustrated Catalogue." Contents: Hernia or rupture delineated; its cause, treatment, and cure. Also Corpulency, Abdominal Weakness, and Varicocele. Book of 88 pages and 130 illustrations. Mailed on application.



Damiana.....	lb	30	
Doxtrino, white.....	lb	10	50 lb 8
"    yellow.....	lb	9	"    7
Diapente.....	lb	30	
Diuretin "Knoll".....	oz	2 50	
Dolichos pruriens pubes.....	oz	00	
Eclatorium.....	oz	2 50	
Emplast. arnica.....	lb	2 50	
"    ammoniac.....	lb	85	
"    belladonna.....	lb	1 00	
"    caustic.....	lb	90	
"    cantharidis.....	lb	90	
"    ferri.....	lb	25	
"    gambani.....	lb	60	
"    hydrargyri.....	lb	70	
"    opi.....	lb	85	
"    opi.....	lb	1 10	
"    piceis.....	lb	25	
"    plumbi.....	lb	25	10 lbm 20
"    resinae.....	lb	25	
"    roborans.....	lb	25	10 lbm 20
"    saponis.....	lb	25	
"    vigo.....	lb	70	
Ergota.....	lb	1 00	pulv. 1.10
Ergotinum Boujean.....	oz	75	
Ergotinum Boujean Gen. 30 gm		2 00	
Esorino sulph.....	gr	15	1 grain tubes
"    "    6 or 10 gr. tube gr		12	
Ess. zingib fort.....	lb	75	Whr qt 70
Eucalyptol.....	oz	80	lb 4 00
Euonymin.....	oz	90	
Europhon.....	oz	2 25	
Exalgine.....	oz	1 25	
Extract.acon. (rad.alco.).....	oz	35	lb 4.80
"    aloes barb.....	lb	75	
"    "    pulv.....	oz	10	lb 1.25
"    "    socot.....	oz	10	lb 1.25
"    antherides.....	oz	20	lb 2.50
"    belladon ang.....	oz	25	lb 3.50
"    "    pulv.....	oz	25	lb 2.50
"    "    aqueos.....	oz	15	lb 1.50
"    "    alcoh.....	oz	25	lb 3.00
"    calumb.....	oz	25	lb 3 25
"    cannabis indicæ.....	oz	25	lb 3.00
"    cascara sagrada.....	oz	40	lb 5.50
"    cinchonæ flav.....	oz	35	lb 4.50
"    colchicl.....	oz	20	lb 2.60
"    "    acet.....	oz	15	lb 2.00
"    colocynth co.....	oz	25	lb 3.00
"    "    pulv.....	oz	20	lb 2.50
"    "    pulv.....	oz	—	lb 1 50
"    conii.....	oz	10	lb 1.00
"    conii pulv.....	oz	20	lb 2.50
"    copaibæ resin.....	oz	15	lb 1.50
"    digitalis.....	oz	20	lb 2.50
"    "    pulv.....	oz	30	lb 3.50
"    ergotæ pulv.....	oz	60	
"    gentiana.....	lb	45	
"    Filicis Maris ether.....	oz	25	
"    "    pulv.....	oz	5	lb 3.00
"    hamamelis dest... gr		1 25	
"    glycyrrh mol.....	lb	0 75	
"    "    pulv.....	lb	0 75	
"    hellebor nig.....	oz	25	
"    homatoxyli.....	lb	80	
"    hyoscyam.....	oz	20	lb 2.50
"    "    aquos.....	oz	10	lb 1.00
"    "    pulv.....	oz	25	
"    hyoscyam exot.....	oz	15	lb 1.50
"    ignatia amara.....	oz	60	
"    ipecac acetic.....	oz	1 50	
"    jaborandi.....	oz	60	
"    jalapæ.....	oz	30	lb 4.50
"    "    pulv.....	oz	35	
"    krameria.....	oz	25	lb 3.50

## Williams' Celebrated Eye Water

No  
Humbug



The  
Blind  
See.

This preparation was used successfully by the manufacturer 25 years ago, when he was almost blind, and medical men pronounced him beyond their skill to cure, and with the preparation was restored to sight in one month. After many years Mr. Williams succeeded in obtaining this valuable receipt and preparation, and during the past ten years has sold this Eye Water to a great number of people, with successful results.

As there are several ingredients in the preparation for different diseases of the eye, they all work together for good without the least injury to the weakest eyes, and it cannot be excelled in strengthening weak eyes or restoring the sight.

Write to **DR. WILLIAMS**, - 142 Esplanade Road, MONTREAL.

TO THE

## Druggists of Canada

THE following preparations are now on the Canadian market, and extensively advertised in the Dominion :

- Peach Bloom Skin Food
- Dr. Clark's Pile Ointment
- Dr. Clark's Catarrh Cure
- Dr. Clark's Regulative Pills
- Dr. Clark's Lightning Liniment
- Dr. Jones' Horehound Expectorant

Write for Price List, and order from your nearest Wholesale House

## WESTON CHEMICAL CO.,

186 Adelaide Street West, TORONTO.

**THE CANADIAN CAPSULE CO**

TORONTO

For General Excellence in MANUFACTURE

SIZES & QUANTITIES

Nº 00	1/2	GRS DRY POWDER
Nº 0	1/2	PILL MASS
Nº 1	1/2	DRY POWDER
Nº 1	1/2	PILL MASS
Nº 2	3/8	DRY POWDER
Nº 2	3/8	PILL MASS
Nº 3	3/8	DRY POWDER
Nº 3	3/8	PILL MASS
Nº 4	1/2	GRS DRY POWDER
Nº 4	1/2	PILL MASS
Nº 5	1/2	GRS DRY POWDER
Nº 5	1/2	PILL MASS
Nº 6	1/2	GRS DRY POWDER
Nº 6	1/2	PILL MASS

SPECIFY WHEN ORDERING

"Crystal Capsules" TRADE MARK

MANUFACTURED BY THE CANADIAN CAPSULE CO TORONTO

**EMERY**

**Crystal Gelatine Capsules**

OUR CAPSULES ARE TRANSPARENT, ELEGANT IN APPEARANCE, AND RECEIVED AS MANUFACTURED OF THE FINEST & BEST MATERIALS. SAMPLES FREE.



**Capsules** Oleum Santal (Midy) always gives satisfaction in Gonorrhœa and Cystitis. The oil is distilled by Midy's process, from the best freshly-cut Mysore Sandal Wood, and is vastly superior to commercial sandal oil, copaiba, cubebs, etc. Original bottles contain 40 capsules of 5 minims each—they are value for money and pay to sell.

GRIMAULT & CO., Paris,

LYMAN. SONS & CO.,  
MONTREAL.

In Amenorrhœa of anæmic or chlorotic patients, one capsule 2 or 3 times a day, given a week preceding menstruation, rarely fails to induce a normal flow.

In Dysmenorrhœa, (congestive and spasmodic) amenable to internal remedies, the suppressed, irregular or painful menstruation is promptly relieved.

**APIOLINE**

(CHAPOTEAUT.)

The true active principle of Parsley, differing from the so-called Apiol.  
Dispensed in spherical capsules of 20 centigrammes.

Original bottles contain 24 capsules.



**WOLFE'S SCHIEDAM AROMATIC  
- Schnapps -**

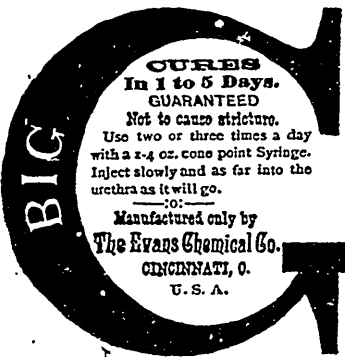
IS THE BEST STIMULANT, IN THE PREPARATION OF BEVERAGE AND BY ITSELF.

As a general beverage and necessary corrective of water rendered impure by vegetable decomposition, or other causes, as limestone, sulphate of copper, etc., the Aromatic Schnapps is superior to every other alcoholic preparation. A public trial of over thirty years duration, in every section of our country, of Udolpho Wolfe's Schnapps, its unsolicited endorsement by the medical faculty, and a sale unequalled by any other alcoholic distillation, have insured for it the reputation for salubrity claimed.

For sale by all Druggists and Grocers.

\$9.00 per case; 5 cases at \$8.50

LYMAN, SONS & CO., Sole Agents for the Dominion of Canada.



**INJECTION "G"**

Outsells all Similar preparations Combined.

The most effective and at the same time an absolutely NON-POISONOUS cure for

**GONORRHOEA AND GLEET.**

All Druggists, who are in the habit of pushing reliable goods only, are advised to carry Big G in stock. Once started, it soon becomes a rapid seller, and remains staple.

Order so as to Avoid Risk of Freezing in Transit.

Retailing at \$1.00—1 dozen Big G @ \$ 8.50  
3 " " @ 8.25 } 5%  
6 " " @ 8.00 } Cash.

The manufacturers, THE EVANS CHEMICAL CO., Cincinnati, O., will furnish advertising matter, with dealers' card, free upon request.

Extract lactucæ.....oz	20	lb 2.20
" logwood.....lb	11	(15 & 30 lb boxes)
" " 1 lb pkts..lb	15	(30 lb boxes)
" " ½ lb pkts. lb	16	"
" " ¼ lb pkts..lb	17	"
" " asst. pkts..lb	16½	"
" lupuli.....oz	25	lb 3.00
" malt.....lb	25	
" mezerei æther.....oz	60	
" nucis vomic.....oz	40	lb 5.40
" " pulv.....oz	25	
" opii.....oz	90	lb 13.50
" opii pulv.....oz	1 00	
" " liquid.....lb	1 25	
" papaveris.....oz	16	lb 2.25
" physostigmatis.....oz	2 00	
" podophylli.....oz	25	lb 3.00
" quassia.....oz	20	lb 2.40
" rhamni frang.....oz	50	lb 5.00
" " pulv.....oz	40	
" sarsæ jam.....oz	30	lb 4.00
" rhei E. I.....oz	25	lb 3.50
" sarsæ jam co.....oz	28	lb 3.25
" sarsæ hond co.....oz	20	lb 2.75
" stramonii fol.....oz	20	lb 2.50
" stramonii pulv.....oz	25	lb 3.00
" taraxaci.....lb	50	
" valerian.....oz	15	lb 2.00
" veratri viride.....oz	45	
Fabæ physostigmatis...lb	50	
Fehling's solution.....lb	1 00	
Fel bovinum purificat.....oz	20	2.00 lb
Ferri ammon chlorid.....lb	60	
" " persulph(iron alum) lb	40	
" " protosulph.....lb	25	
" " tartras.....lb	75	
" arsenias.....oz	15	lb 1.60
" bromidum.....oz	20	lb 2.00
" carbonas sacch.....lb	30	
" citras.....lb	85	
" et ammonii citras.....lb	75	5 lb 70
" et quin. cit., 4%.....oz	15	
" " ".....lb	1 75	
" " 10%.....oz	20	
" " ".....lb	2 50	
" " P. B.....oz	25	
" " ".....lb	3 00	
" " Hd's.....oz	30	
" " amorph.....oz	15	
" " ".....lb	1 75	
" " et strychn. cit., oz	35	
" " " Hd's, oz.	40	
" et strychn. citras 1%.....oz	14	10 oz 13 lb 1.75
" hypophosphis.....oz	20	lb 2.50
" iodide.....oz	40	
" lactas.....lb	75	
" perchlorid.....lb	25	
" phosphas.....lb	90	
" pyrophosph.....lb	80	
" sulphas commerc.....lb	2	brl 1.00 gross
" " exsic.....lb	9	
" " pur.....lb	7	10 lb 6
" sulphid.....lb	15	
" valerian.....oz	25	
Ferrum dialyzatum.....oz	40	
" redactum.....lb	80	
" tartaratum.....lb	80	10 lb 75
Flor. anthem. opt, French..lb	35	
" " Roman.....lb	30	
" " German.....lb	30	
" arnicæ.....lb	25	
" lavand.....lb	15	pulv. 25
" rosæ gall.....lb	2 00	
" " white.....lb	75	
Folia aconiti.....lb	25	pulv. 40
" belladon.....lb	25	pulv. 35



**PETERMAN'S**  
**ROACH FOOD**

FATAL TO COCKROACHES AND WATER BUGS.  
"NOT A POISON."

It attracts Cockroaches and Water Bugs, as a food they devour it and are destroyed, dried up to shell leaving no offensive smell.

... Kept in stock by all Wholesale Druggists ...

**EWING, HERRON & CO., MONTREAL**  
Sole Manufacturing Agents for the Dominion.

**WIGHT'S**  
**Corn and Wart Cure**

The best, the oldest, the most reliable remedy for **Corns, Warts and Bunions** again on the market. A sure and infallible cure. Hundreds of certificates to prove its efficacy. Every druggist should have a little stock on hand in anticipation of the demand, as I am making contracts with every newspaper.

PRICE.—25c and 50c a bottle.  
1 doz., \$1.65; gross, \$18.00.

**J. H. NAULT, Prop.,**  
2449 Notre Dame Street, MONTREAL.

**J. NEUS & SON,**

MAINZ,

Exporters of

*Natural*  
*Mineral*  
*Waters.*

CASH.  
Case. 5 Cases.

OBER SELTZER, qts., @ \$7 00 \$6 50

" " pts., @ 5 25 5 00

LOSER JANOS, qts., @ 7 00 6 60

oooooooooooo

In Stock at

**LYMAN, SONS & CO.**



# A True Tonic Effect

is obtained by the use of Pepsin to assist weakened digestive organs—a more rational course than to over-tax them by stimulating the appetite.

Armour's Pepsin Tablets (3 grains each) are pure Pepsin, of exceptional power and agreeable odor and taste.

## Canadian Price List:

Pure Pepsin, soluble or insoluble powder, and soluble scales, 1-oz. bottles, \$14.40 per lb net.

$\frac{1}{4}$  lb bottles (single bottles) \$12 per lb. net.

$\frac{1}{2}$  lb " (single bottles) \$12 per lb. net.

1 lb. of above in one delivery 5 per cent discount.

Tablets of Pure Pepsin, three grains each, in flat bottles for the pocket:

Large size, 75 tablets in each bottle, one dozen in a box, per dozen bottles, \$7.20 net.

Small size, 20 tablets in each bottle, one dozen in a box, per dozen bottles, \$2.40 net.

Glycerole Pepsin, concentrated, 10 minims are the equivalent of one grain of our Pepsin possessing a digestive power of 2,500, for the speedy preparation of liquid forms—Wines, Elixirs, Etc.  
1-lb. bottles (single bottles) \$1.80 net.

One dozen bottles Glycerole Pepsin in one delivery, 5 per cent discount.

We shall be pleased to send samples of these preparations to druggists upon request

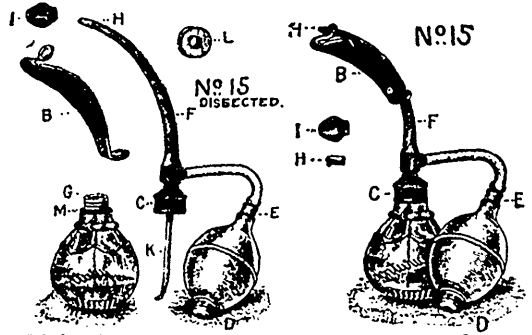
Armour & Company  
Chicago.

Folia buchu..... lb	25	
" coca green..... lb	75	
" conii..... lb	20	pulv. 35
" digitalis..... lb	20	pulv. 35
" eucalypti glob..... lb	18	
" hyoscy. exot..... lb	25	powd. 40
" jaborandi..... lb	70	
" maticæ..... lb	50	
" pulegii..... lb	20	
" sennæ alex..... lb	60	
" " tenny..... lb	20	15, bale 16, 12.
" " " pulv..... lb	25	
" uvæ ursi..... lb	12	
Fruct. anethi..... lb	30	
" anisi German..... lb	15	
" " pulv..... lb	20	
" Star..... lb	45	
" capsici..... lb	22	10 lbs 20
" " pulv..... lb	28	" 25
" carui..... lb	12	" 11
" " canad..... lb	11	" 10
" carui pulv..... lb	18	
" conii..... lb	30	
" coriandri..... lb	10	bag 7½
" " pulv..... lb	18	
" fœniculi..... lb	15	pulv 20
Fuller's earth..... lb	4	100 lb 3
" " pulv..... lb	6	100 lb 5
Gallæ cœrulæ..... lb		bag 25 22
" cœrulæ pulv..... lb	28	grd 26
Gelatine, black label..... lb	35	10 lb 30
" bronze label..... lb	40	10 lb 35
" silver "..... lb	45	" 40
" gold "..... lb	60	" 55
" pink gold label..... lb	75	
Glue..... lb	12	17
" white..... lb	25	30
Glycerine (double dest) 1260 deg..... lb	20	56 lb tin 16 case 15
Glycerine Price's..... lb	70	W. qt. 65
Grana paradisi..... lb	20	
" " pulv..... lb	30	
Guaiacol..... oz	85	
" carb..... oz	1 75	
Guarana pulv..... lb	3	00
Gum acacia turc elect..... lb	65	
" " med..... lb	50	
" " sorta..... lb	35	
" " pulv..... lb	75	
" ammon in guttæ..... lb	50	
" asafœtid. opt..... lb	35	
" " pulv..... lb	40	
" benzoin opt..... lb	75	
" catechu nig..... lb	12	20 lb 11 pulv 25
" catechu pallid cubes..... lb	16	10 lb 15
" copal..... lb	85	
" damar..... lb	35	
" elemi..... lb	45	
" euphorb. pulv..... lb	40	
" galban..... lb	3 50	
" gambogiæ..... lb	1 05	pulv 1 20
" guaiaci..... lb	85	Sec 50 pulv 60
" juniper..... lb	45	
" kino..... lb	25	pulv 45
" mastiche select..... lb	1 25	
" myrrh. turc opt..... lb	70	
" " " sorta..... lb	45	pulv 55
" olibani..... lb	25	
" sang. dracnis..... lb	45	reed 90
" " " pulv..... lb	60	
" scammon. aleppo..... lb	6 50	
" " opt. (pulv)..... lb	3 75	
" " resin..... lb	60	
" seedlac..... lb	35	
" shellac, orange..... lb	40	50 lb 35
" " bleached..... lb	35	10 lb 80
" spruce..... lb	35	

# ANATOMY OF THE CENTURY · AOTMIZER

No. 15.

For Spraying either Oil or Water.



PAT. DEC. 13, 92.

PAT. DEC. 13, 92.

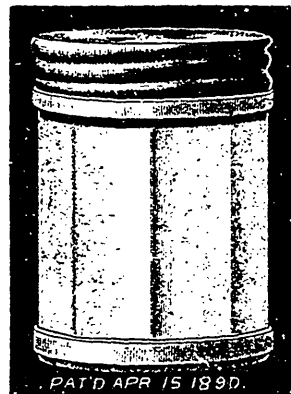
- F.—5-in. T pered Throat Tube, screws on bottle G at C.
- B.—Tongue Depressor, slips on tube at H. F.
- I.—Slip Nasal Cone, fits on tube at H.
- D.—Improved Valve Chamber, containing Aluminum Valves.
- L.—Washer, fits on bottle at M.
- K.—Soft Rubber Feed Tube.
- H.—Tip for Spraying Oils.

Aluminum Valves. All Hard Rubber and Glass.  
Sprays either Oil or Water. 5-Inch Curved Throat Tube.  
Screws Firmly on Bottle.

For Sale by } LYMAN, SONS & CO.  
LYMAN, KNOX & CO.  
KERRY, WATSON & CO.

# "CROWN" OINTMENT JARS.

For Ointments, Pomades, Glycerine Jelly, Etc.



OPAL GLASS

525252525252

	Per Gros
¼ ounce	\$5 00
½ " "	6 00
1 " "	7 50
2 " "	9 50
3 " "	11 00
4 " "	13 00

525252525252

SCREW CAP.

The tall shape allows sufficient room for a label on the side of the Jar, which is of special importance.

Include a dozen of each with your next order.

The Handsomest and most Practical Jar in the Market.

Meinecke & Co.  
NEW YORK.

# LICORICE

## HIGHEST AWARDS:

Centennial Exposition, Philadelphia, - 1876  
 Paris International Exposition, - - 1878  
 New Orleans Exposition, - - - 1885



LICORICE } 4, 6, 8, 12, 14 and 16 Sticks to the lb.  
 Packed in 5 lb. Wood Boxes.

LICORICE LOZENGES { in 5 lb. Tin Cans.  
 in 5 lb. Glass Bottles.  
 in Bbbs., Bulk.

CATALUNA LICORICE, 100 Sticks in a Box.  
 POWDERED EXTRACT LICORICE,  
 POWDERED LICORICE ROOT,  
 AMMONIACAL GLYCYRRHIZIN, in Scales.

THE MELLOR & RITTENHOUSE CO., - 218 North 22d St., PHILADELPHIA, PA.



# Prescription Ware

THE SALTSBURG BOTTLE WARE CO., Limited, offer to the trade their **NEW AND ELEGANT** designs in **FLINT BOTTLES**, Viz: EXCELSIOR OVAL, MONOGRAM SQUARE and SALTSBURG ROUND. The styles named have received the unqualified approval of the Dispensing Trade, wherever introduced, being neat and shapely in appearance, right capacity, and well finished.

Baltimore and Philadelphia Ovals, Tall Blakes and French Squares, Nursing Bottles, Toilet Water Bottles, Tooth Wash and Tooth Powder Bottles, Vaseline or Pomade Bottles, Liquor Bottles, in new designs, etc.

PRIVATE MOULD WORK given special attention, and new moulds made to order.

Factories : { SALTSBURG, PA.  
 AVONMORE, PA.

OFFICE :—131 Third Avenue, Room 517 Ferguson Block,  
**PITTSBURG, PA.**

Full line kept in Stock and sold at Manufacturer's  
 . . . . Prices by . . . .

\* LYMAN, SONS & CO.

Gum sterax liquid	50	
“ thus	15	
“ tragacanth Ribbons	90	
“ “ Aleppo opt	75	
“ “ “ No.2	60	
“ “ pulv. opt.	90	
Gun cotton	70	1 oz box
Homatropine Hydrobrom.	30	
Humulus lupulus	20	assorted packages
Hydrarg. bicianid	30	
“ bisulphate	1 00	
“ iodid rubr.	40	lb 4.50
“ “ virid	25	lb 3.50
“ oxyd. flav.	1 50	
“ “ rubr.	1 10	
“ perchlor.	90	pulv. 1.00
“ subchlor.	1 00	
“ sulph flav.	1 50	
“ “ alb.	95	
“ “ c sulph.	1 10	
“ tannas.	35	
“ ammon.	1 20	
“ c. creta	60	
“ olcas.	55	
“ “ 5% lb	65	
“ “ 10% lb	60	
“ “ 20% lb	80	
Hydrargyrum	80	10 lb 75
Hydrastinine mur.	1 50	gramme
Hydrochinone	40	oz
Hydrogen peroxid, Peuchot's	1 lb	doz. 8 00
“ “ “	½ lb	“ 6 00
“ “ “	¼ lb	“ 4.50
Hyeseyamine	25	sulph gr 35
Ichthyos. inc. Brazil	2 00	
“ “ “ oz packets	2 25	dosen
“ “ Russian	5 25	
Ichthyol, Merck's	50	½ lb 7.50 lb
		¼ lb 7.25 lb
		1 lb 7.00 lb
		sec 65
Indigo Madras opt	75	
“ “ pulv.	90	
“ Paste	20	
Insect powder Dalmatian	35	25 lb 28 56 lb 27
Iodoformum	45	lb 6.00
“ præcip.	45	lb 6.00
Iodol.	1 40	oz
Iodum crude	30	lb 4.50
“ resub.	40	lb 5.00
Jalapin ang.	1 00	lb 13.50
Kamala	60	
Konosso	10	
Kava Kava	90	
Lactopeptin ozs.	8 50	doz
“ “ “	10 50	½ lbs.
Lactucarium ang.	70	oz
Lanolin	90	lb
Lapis calam. præp.	7	
“ punicis select.	8	ordinary 6
“ “ pulv.	7	100 lb 5
Leptandrin	45	Keiths 60
Lichen Hibern opt.	20	Sec 15
Licorice Corig.	35	lb
“ Solazzi	45	lb
“ Zavia	36	lb
“ Y & S. stick.	35	lb
“ Pelleta, Y. & S.	40	lb
“ “ M. & R.	40	lb
Lignum gusiaci rass.	7	lb
“ quassia incis.	10	50 lb 9
“ sant. flav. grd.	65	Rub 10
Liniment aconiti.	90	Whr. qt. 80
“ belladon.	35	“ 3 5
“ camph.	55	lb
“ camph comp.	60	Whr. qt. 55
“ iodi.	1 50	lb

# ANTI-DANDRUFF.

THE object in view when Anti-Dandruff was first produced was to offer the public a preparation for the hair that would in the first place remove Dandruff effectually and also act as a perfect hair-dressing without containing any ingredient injurious to hair, head or scalp. Anti-Dandruff has in a short time proved itself a perfect specific for the hair, and now stands in the estimation of its patrons as being head and shoulders above any similar preparation.

- Why?** It removes Dandruff with 3 applications.
- “ It makes the hair soft and pliable.
  - “ It is not of a greasy or oily nature.
  - “ It stops falling of the hair—Is not a dye.
  - “ It is of a nature peculiar to itself.
  - “ It is pleasant to use—Clear as crystal.
  - “ It possesses a most agreeable and delicate odor.
  - “ Men, women and children endorse it.

Price for Anti-Dandruff, 75c per bottle, \$6 per doz. | DR. L. A. SMITH & CO.  
*We trust there will be no cutting.*

EMPTY

# Gelatine Capsules,

MANUFACTURED BY THE

# Warren Capsule Co.

COR. 12TH & MARANTETTE ST.,

Detroit, Mich., U. S. A.

They are uniform in size, perfect in fit and cut, no ragged edges. Clear and white.

Samples free. When ordering of your jobber, specify the

WARREN CAPSULE CO.



The trade supplied with free samples and other advertising matter prepaid, by addressing

**D. DENSMORE & CO.,**

271 Queen Street East, - TORONTO, Ont.

<p><b>MUNN'S</b> ... CELEBRATED ...</p>	<p><b>MUNN'S</b> NEWFOUNDLAND</p>
<p><b>Liquid Fish Glue</b></p> <p>— IS THE —</p> <p><b>STRONGEST GLUE KNOWN.</b></p> <p>Packed in 1 oz. and 2 oz. Bottles, . . . . .</p> <p>. . . . . Also, ½ Pint, Pint, Quart and Gallon Tins.</p>	<p><b>Cod Liver Oil</b></p> <p><u>FROZEN and STRAINED.</u></p> <p>Pure and Free from all Sediment.</p> <p>Far Superior to NORWEGIAN</p>
<p>— SEND FOR SAMPLES —</p>	
<p><b>S. MUNN &amp; CO.,</b></p>	<p><b>22 ST. JOHN STREET,</b></p>
<p><b>MONTREAL.</b></p>	

Celebrated Brand of  
Cognac Brandy o o o o c o o o

**FAUSTIN FRERES,**

o o o o o o o o As shipped in all the  
Markets of the World.

THE BEST VALUE IN BRANDY  
SUPPLIED FOR THE PRICE!!!

Agents ——— LYMAN, SONS & Co. ——— MONTREAL

Liniment opii.....lb	90	
“ saponis co.....lb	50	“ 45
“ “ c pot iod..lb	90	
“ terebinth.....lb	30	
Liquor ammon. acet conc...lb	36	
“ ammon fort s. g. 380lb	12	12 Whr. qts. 8
“ antim. chlor.....lb	18	W. qt. 16
“ arsenicallis.....lb	10	pt., Whr. qt. 8
“ arsenii et hyd. iod. .lb	25	W. qt. 20 (Donovans)
“ ferri dialysatus . . .lb	40	W. qt. 36 lb
“ “ perchlor fort..lb	12	Whr. qt. 11
“ “ pernit.....lb	14	
“ “ persulph.....lb	25	
“ hydrogenii perox.....lb	50	
“ plumbi subacet.....lb	12	Whr. qt. 10
“ potassæ.....lb	7	
“ santal flav comp.....lb	1 50	
“ sodii chlor.....lb	16	
“ strychnaine.....lb	50	Whr. qt. 45
Lithii bromid.....oz	25	
“ carbonas.....oz	25	lb 3.20
“ citras.....oz	20	lb 2.75
“ hippurate.....oz	1 50	
“ iodid.....oz	50	
“ salicylat.....oz	30	
Litmus.....lb	60	
Lupulinum.....lb	60	
Lycopodium.....lb	80	
Macis.....lb	1 20	pulv 1.30
Madder compound.....lb	10	carbony 9
“ Dutch.....lb	12	brl 10
Magnes citr. gran. Bishop..lb	80	7 lb 75
“ “ “ Lyman..lb	35	
“ calcined . . . 1 lb tins	50	
“ “ “ bots	65	
Magnesi carb levis 1 oz pkt lb	22	10 lb 20
“ “ “ 2 “ lb	20	“ 18
“ “ “ powd..lb	25	1 lb tins
“ chloride.....lb	30	
“ sulphas.....lb	3	Brl. 1.50
Magnesium, wire or ribbon .oz	75	Powder 50
Maltopestin ¼ lb bots.... lb	5 85	
“ bots.....doz	6 85	
Mangan chlorid.....lb	50	
“ oxyd. nigr.....lb	10	brl. 7½
Mangan sulph. pur.....lb	60	
Manna flak select.....lb	1 60	
Maranta Bermuda.....lb	45	10 lb 42
“ Jamaica.....lb	15	
Mel. canadensis.....lb	15	10 lb 14
Menthol.....oz	35	lb 4.50
Morphinæ acetat.....oz	2 15	10 ozs. 2 00
“ hydrochloras.....oz	2 15	“ 2.00
“ sulphas.....oz	2 25	“ 3.10
		(in ¼th oz phials 25c oz extra)
Moschus, in grain..... dram.	6 00	4.50 3.50
Naphtha mineral.....lb	50	
Naphtha vegetable.....lb	60	
Naphthaline resublimed.....lb	50	
Naphthol Beta.....oz	10	lb 1 .40
Nickel sulph. cryst.....lb	75	
“ ammon. sulph.....lb	35	
Nux. arca select.....lb	35	pulv 45
“ myristica (limed).....lb	90	pulv 1.00
“ “ opt.(unlimed)lb	1 00	
“ vomica.....lb	12	pulv 25
“ Kola.....lb	50	
Ol. absinth.....oz	50	lb 6.00
“ amygd. dulc.....lb	50	Whr. qt. 45
“ “ essent. sine acid		
“ pruss.....oz	50	
“ anethi Ang.....oz	35	lb 4.50
“ anisi.....oz	2 75	Whr. qt. 2.50
“ anthem Ang.....oz	2 00	
“ aurantii.....lb	3 50	Winch. 3.00
“ bergam super.....lb	4 00	

ESTABLISHED 1859.

# HENRY R. GRAY,

Pharmaceutical Chemist,

122 ST. LAWRENCE MAIN STREET 122

(Corner of LaGauchetiere)

MONTREAL

THE following Specialties, all of which have been well advertised, more particularly the “Castor Fluid,” may be obtained at all the Wholesale houses at Manufacturers’ prices:—

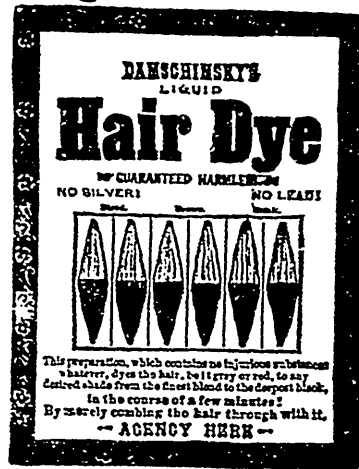
Gray’s “Castor Fluid,” for the hair.

Gray’s “Saponaceous Dentifrice,”—An excellent antiseptic dentifrice.

Gray’s “Dental Pearline,”—An excellent antiseptic toothwash.

Gray’s “Sulphur Pastilles” for burning in diphtheritic cases.

## DAMSCHINSKY'S LIQUID HAIR DYE



Guaranteed Harmless

No Silver. No Lead.

Made in three colors, Blonde, Brown and Black. It is the most popular preparation in the Market. Only one application from one bottle will dry the hair in a few minutes, by merely combing the hair through with it.

Price, \$8.00 per doz.; Retail at \$1.00 a bottle

## CARL DAMSCHINSKY,

242 East 34th Street, NEW YORK CITY

Sold by all Wholesale houses in Canada.

The above cut is a miniature representation of a sign 25 x 30 ins (framed and glassed), showing specimens of dyed hair. Every customer will receive one with the first order.

Beware of Imitations.

**POUDRE SUPERFINE**  
*A la Violette*  
**LUBIN**  
 Parfumeur-Distillateur,  
**PAUL PROT & C<sup>o</sup>.** PROPRIÉTAIRES  
 PARIS-55, R. SAINTE-ANNE,- FRANCE

This is a fac-similie of label now in use.



Fragrant  
Delicious

COFFEE IN A MOMENT

... BY USING ...

LYMAN'S

Fluid Coffee.



The vital principles of . . .

**BEEF AND WHEAT**  
WITH HYPHOSPHITES

**STAMINAL**

A Food and a Tonic.

PUT UP BY

The **Johnston Fluid Beef Co.**

**J. M. FORTIER'S**

**Cigars**

Are the Leading  
Sellers in the Dominion!



TO GAIN AND RETAIN CUSTOM, DEALERS SHOULD KEEP UP THEIR STOCK OF THE CELEBRATED . . . . .

"Creme de la Creme"

"Pete"    "Mirosa"

"Sonodora"



**J. M. FORTIER,** Dealer in High Grade **Raw Leaf Tobacco,**

Creme de la Creme Cigar Factory,

141 to 153 ST. MAURICE STREET, MONTREAL.

**THE HEARLE M'F'G CO.**



Successors to

**J. G. HEARLE,**

**Toilet Soap Makers**

**84 St. Urbain Street,**

**MONTREAL.**



WE are pleased to announce to the Drug Trade of Canada that our well known make of TOILET SOAPS can now be had from all the leading wholesale houses.

Ol.	buchu .....	oz	3	00	
"	cadi .....	lb	36	Whr. qt. 30	
"	cajeputi .....	oz	10	lb 1.30	
"	carui .....	lb	2	50	
"	caryoph .....	lb	1	25	
"	cassia .....	lb	1	60	
"	cedri opt .....	lb	76	Whr. qt 70	
"	chau'moogra .....	lb	2	00	
"	cinnamomi ver .....	oz	1	60	
"	citronella .....	lb	80	bot. 70 lb	
"	cocanut .....	lb	15		
"	cognac .....	oz	1	50	
"	Cologne .....	oz	60		
"	conii .. spruce .....	lb	75	Whr. qt. 70	
"	copaiba .....	lb	1	25	
"	coriandri .....	oz	70		
"	crotonis .....	oz	10	bot. 1.20 lb	
"	cubeba .....	oz	50		
"	cumini .....	oz	40		
"	erigerontis .....	lb	3	25	
"	eucalypti .....	lb	1	60	
"	fenicula dulc .....	lb	1	50	
"	gaulther .....	oz	25	lb 3.00	
"	geranii rosae .....	oz	50		
"	" super .....	oz	1	00	
"	juniperi bacc .....	oz	15	lb 2 00	
"	" lig .....	lb	60	Whr. qt. 55	
"	lauri .....	lb	40		
"	lauri essent Bay .....	oz	40	lb 5.00	
"	lavand aug .....	oz	2	00	
"	" exot .....	lb	3	50	sec 2.50 1.50
"	limonis super .....	lb	3	00	copper 2.75
"	macis .....	oz	25	lb 3.50	
"	menth. pip. Amer .....	lb	4	00	Whr. qt. 3.75
"	" " English .....	oz	1	00	lb 14.00
"	" " Japan .....	lb	—		
"	" " virid .....	oz	25	lb 3.50	
"	morrhua Newf .....	gl	90	to 1 00	brl. 85
"	" " Norweg .....	gl	1	25	brl. 1 10
"	" " Nfld by Nor- weg. process }			kegs 18 gal's 90 gal	1 10
"	myrbane .....	lb	30	Whr. qt. 25	
"	myristica .....	oz	30	bot. 25	
"	neatsfoot, pale .....	gl	1	50	
"	neroli. super .....	oz	4	00	
"	olive sublime salad .....	gl	2	50	
"	" " " 1 gal			original tins incl. 2.50 each.	
"	" green .....	gl	1	40	brl. 1.20
"	" " opt .....	gl	1	50	brl. 1.35
"	" yellow .....	gl	1	40	brl. 1.15
"	" yellow opt .....	gl	1	50	brl. 1.25
"	" (Salad American) gl		1	30	brl. 1.15
"	origani .....	lb	50	Winch 45	
"	palma select .....	lb	15		
"	patchouli .....	oz	1	25	
"	petit. gran .....	oz	75	Sec. 50	
"	picis .....	lb	12	Whr. qt. 10	
"	pimenta .....	oz	25	lb 3.20	
"	pini silvestris .....	lb	1	50	
"	palegi hed .....	lb	3	25	
"	rapii .....	gl	1	00	
"	rhodii .....	oz	90		
"	ricini E. I. ....	lb	11	case 8½ tins 9½	
"	" Gal water pale ..	lb	12	brls 8½	
"	" Ital. ....	lb	20	tins 18	
"	rosmarini exot .....	lb	70	W. qt. 65	
"	ruta .....	oz	25	Ang. 75 oz	
"	sabia .....	lb	1	50	
"	sambuci vir. ....	lb	30		
"	santali ang .....	oz	60	lb 8.50	
"	" " W. I. ....	oz	45	lb 6.50	
"	sassafras .....	lb	70	Whr. qt. 65	
"	sem. santon .....	oz	25	lb 3.20	
"	sesame .....	gl.	1	35	case 1.25
"	sinapis essent .....	oz	70	lb 9.50	
"	sperm .....	gl.	2	00	

### Queen's Hair Vigor

Just what the trade wants, the only 25c. preparation of its kind, equal to any 50c. or \$1.00 article.  
\$18 per gross. \$2 doz.

### Mount Royal Cough Syrup

\$18 per gross. \$2 doz.

### Mann's Indigestion Powders

A splendid post. rib. remedy for anyone suffering from eating too hearty a meal.

\$18 per gross. \$2 doz.

For Sale by the Wholesale Trade, or . . .

**A. D. MANN,**  
Chemist and Druggist,  
MONTREAL.

### Rheumatism Quickly Cured

—BY—  
**DR. NELATON' POWDER.**  
Sent free by mail on receipt of \$1.  
**LAVIOLETTE & NELSON,**  
Dispensing Chemists,  
Corner Notre Dame and St. Gabriel Sts.,  
MONTREAL.

## COUTANSEAUX AÎNÉ,

COGNAC,

FRANCE,

EXPORTERS OF

## Choice Brandies

In Hhds., Qrs., Octaves and  
Half Octaves and Cases . . .

**C. MENUTT & Co. \***  
do. do. \* \*

SOLD BY

Lyman, Sons & Co., . . Montreal.



# Frederick Stearns & Co. ESTABLISHED 1855 33 YEARS. Manufacturing Pharmacists

The Oldest and Largest Laboratory of Its kind in the World.

WINDSOR, Ont. DETROIT, Mich. 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 classified under any of the general heads, but are fully described in our PRICE LISTS and CATALOGUES, any of which will be mailed, post-paid, on application.

Fluid Extracts.	Concentrated Liquors.	Soda Water Requisites.	Fruit
Solid Extracts.	Digestive Ferments.	Juices, Flavoring Extracts.	
Pills and Granules.	Lozenges.	Perfumes.	Handkerchief Extracts,
Elixirs. Wines Tinctures, Ointment,	Effervescent Granular Preparations	Toilet Waters, Sachet Powders, etc.	National Formulary Preparations.
Cerates.	Compressed Tablets and Pills.		<b>SPECIALTIES.</b> Cascara Aromatic,
Capsules Soft Elastic Filled, Hard	Hypodermic Tablets.	Wine of Cod Liver Oil with	Peptonate of Iron, Dike's Pepsin,
Powdered Drugs. [Filled.]	Cascara Sagrada In form of Fluid	Dike's Ess. Pepsin.	
Syrups.	and Solid Extracts, Corrial, Pills,		
Concentrations. (Resinoids.)	Granules, Capsules, etc.		

No. 90 Catalogue (8th edition) and New Pharmaceutical List, both just off the press.

## To the Druggists of Canada . .

••• The following Specialties have been placed upon this Market and are obtainable from your Jobber at prices mentioned below :

••• **PURE MALT STOUT, \$1.60 per doz.**  
**WINE OF MALT, \$2.60 "**

### WALTER R. WONHAW & SONS,

St. John and Hospital Streets,

Sole Sale by all Druggists

— MONTREAL.

## SOMERVILLE'S

# Fine Chewing Gums

"MEXICAN FRUIT" THE FAVORITE. 5c. Bars—36 Bars in Box—6 Flavors in each Box.

"DYSPEPSIA" PEPSIN GUM. 20 Bars in Box—5 Sticks in each 5c. Bar; each Stick contains 1 grain Pure Pepsin sufficient to digest 2500 grains food.

The Finest Goods,

The Choicest Flavors,

The Nicest Packages.

FOR SALE BY THE WHOLESALE DRUG TRADE.

MANUFACTURED  
ONLY BY

## C. R. SOMERVILLE.

LONDON, CANADA.

Ol. spike .....	lb	25	
" succin. rect .....	lb	70	Whr. qt. 65
" tanacet. opt .....	oz	80	oz
" terabinthinæ .....	lb	50	
" " coml. ....	gl.	65	brl. 58
" theobromatis .....	lb	65	(tablets)
" valerian .....	oz	1 00	
" verbenb. ....	oz	10	bot. 9
" vini .....	oz	25	lb 3.50
" ylang-ylang .....	oz	7 50	
Opium Turc. ....	lb	5 00	
" " pulv. ....	oz	40	lb 6.00
Os sepiæ .....	lb	25	select 40 pulv 35
Otto rosæ Doupsi .....	oz	6 00	
" virgin. ....	oz	8 50	
Pancreatine, Morson's. ....	oz	1 00	
" Merck's .....	oz	35	
Papoid .....	oz	3 25	
Paraffinum durum .....	lb	20	50 lb 15
Paraldehyde .....	oz	20	lb 2.25
Pepsin .....	lb	2 25	
" pur. sol pulv. Merck's. lb		3 00	
" Merck's scales .....	lb	5 00	
" ang. coml. ....	oz	30	lb 3.50
" Boudault's .....	oz	1 20	
" medicinal Morson's. ....	oz	85	
" porci Morson's. ....	oz	2 25	
" sacchar. ....	oz	25	lb 3.50
" Jensen's scales " .....	oz	1 25	
" Armour's .....	oz	90	lb 12.00
Petrol Barbadena .....	lb	15	
Petrolatum A. ....	lb	18 5lbs 16 10lbs 14 25lbs	
" B. ....	lb	17 5lbs 15 10lbs 13 25lbs	
" C. ....	lb	16 5lbs 14 10lbs 12 25lbs	
Phenacetine Bayer .....	oz	55	lb 3.00
Phosphorous. . . 11 lb tins. . .	lb	85	1 lb bots 1.00
Pil. hydrarg. ....	lb	70	
Pilocarpin Hydrochlor, 10gr tubes	12c. gr.		
" nitras. .5 or 10gr tubes	12c. gr.		
Pipe clay .....	lb	5	100 lb 4
Piperina .....	oz	1 00	
Piperazin bs'er. ....	oz tubes	5 50	oz
" tablets .....	10x16 gr	2 40	each
Piper alba .....	lb	22	pulv 25
" Cayenne .....	lb	25	10 lb 20
" nigrum .....	lb	17	pulv 19 25 lb 17
Pix Burgund bladders .....	lb	10	20 lb 9
Plumbi acetat brown .....	lb	10	50 lb 9
" " Xtls .....	lb	12	50 lb 10
" " C. P. ....	lb	25	
" iodid. ....	oz	35	lb 4.50
" nitras coml. ....	lb	16	
" oleas .....	lb	1 00	
" oxyd pulv. ....	lb	9	keg 7½ (litharge)
" rub. ....	lb	8	keg 6 (red lead)
Podophyllin resin .....	oz	35	
Potassa caustica sticks .....	lb	50	
" sulphurata .....	lb	35	
Potassii acetat. ....	lb	45	gran 50
" bicarbonas .....	lb	16	
" " pulv. ....	lb	17	
" bichromas. ....	lb	15	keg 12½
" binoxalas. ....	lb	23	10 lb 22
" " pulv. ....	lb	25	10 lb 23
" bitart .....	lb	30	keg 24 brl 23
" bromid. ....	lb	55	5 lb 50
" carbonas .....	lb	14	10 lb 12
" " pearl ashes. lb		10	100 lb 8
" chloras .....	lb	30	keg 27
" " pulv. ....	lb	30	keg 27
" chlorid. pur. ....	lb	30	
" chromas .....	lb	50	
" citras neutral. ....	lb	70	
" cyanid. C. P. ....	lb	1 00	
" " gold plater. lb		75	
" " fused .....	lb	45	

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From

## COUTANSEAU AÎNÉ,

COGNAC, FRANCE.

### Geo. Laffont & Co.

... BRAND ...

In stock at

Lyman, Sons & Co.

MONTREAL.

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— FOR —

### Horses and Cattle.



DICK'S BLOOD PURIFIER is no sham made up to sell only, but is prepared from the best material. One package of Dick's Blood Purifier we confidently believe contains more real medicinal strength and virtue than ten times its weight of any other Powder in the market. It tones up the system, imparts new life and vigor, and is adapted for the cure of worms, loss of appetite, roughness of the hair or coat, stoppage of water and bowels, all coughs and colds, inflammation of the lungs and bowels, recent founders, swelling of the glands of the throat, horse distemper, hide bound, botts, scurry, loss of cud, horn distemper, black tongue, &c., and also will backen the heaves, and in recent cases effect a cure. In fact there is no case of disease among Horses and Cattle where Dick's Blood Purifier is not

called for, and by its timely administration will save the lives of many valuable animals.

DICK'S BLISTER, for Spavins, Ringbones, Curbs, Swellings, &c.

DICK'S OINTMENT for Cuts, Burns, Bruises, Saddle Galls, Sores, Flesh Wounds, Scratches, &c.

DICK'S LINIMENT for Swellings, Scalds, Contusions, Frost Bites, Cracked Heels, Chapped Hands, &c., but above all for Rheumatism.

#### RETAIL PRICE LIST.

Dick's Blood Purifier, .....	50c
Dick's Blister, .....	50c
Dick's Ointment, .....	25c
Dick's Liniment, .....	25c

Try DICK'S MEDICINES and be convinced of their merit. Ask for them and take no other. Advertising cards and circulars sent on application.

DICK & CO., Montreal.

P. O. Box 482.

*Carl L. Jensen's*

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**PEPSIN In Scales or Crystals and the same Powdered** } **For the special use of the Physician.**

• **CRYSTAL PEPSIN TABLETS FOR POPULAR USE.**

**PRICE LIST:** { **CRYSTAL PEPSIN, SCALES OR POWDER,** - - - - per oz. Bottle, \$ 1.25  
 { **CRYSTAL PEPSIN TABLETS, 50 cent. size,** - - - - per gross, 45.00

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The ready solubility of Jensen's Crystal Pepsin perfectly adapts it for all liquid forms.

To each druggist carrying Jensen's Tablets in stock, we will mail, postpaid, upon request, one of our elegant advertising banners, representing a Swedish peasant girl.

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Authorized and controlled by the State.

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IT WILL CURE

Dyspepsia, Affections of the Stomach, Liver, Intestines, Kidneys, Bowels, Diabetes, Gravel, Gout, Rheumatism, Obesity.

The coldest (11 degrees) of Vichy Waters.

Taken as Table Water, gives Appetite and assures a Good Digestion.

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- Dukehart's Extract of Malt and Hops (Non-Alcoholic),  
RESTORATIVE TONIC TO THE DIGESTIVE SYSTEM.
- Dukehart's Extract of Malt with Beef, Wine, and Iron. ?  
A TRUE IRON TONIC AND INVIGORANT.
- Dukehart's Extract of Malt with Cod Liver Oil and Hypophosphites Lime, etc., (Niemeyer Emulsion),  
TONIC, BRONCHIAL, ALTERATIVE, AND WASTE PREVENTIVE.
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A SUPERB DOUBLE TONIC AND CURE FOR MALARIA, ETC
- Dukehart's Extract of Malt with Cascara Sagrada,  
TONIC LAXATIVE.
- Dukehart's Extract of Malt with Hypophosphites,  
A TRUE NERVE AND BRAIN FOOD.
- Dukehart's Extract of Malt with Pepsin,  
A DIGESTIVE AND ASSIMILANT TONIC.

These Preparations are manufactured with the most approved apparatus, by skilled workmen, and under scientific supervision, for

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**Baltimore, Md., U.S.A.**

A full-size bottle of any of the above preparations sent free to physicians paying Express charges.

Plumbi hypophosph.....lb	1	40	
" iodid.....lb	4	25	
" nitras.....lb	10		112 lb keg 7
" nitras pulv.....lb	11		(Gran) 10 keg 7½
" " pur.....lb	20		
" oxalas, neutral....lb	30		
" permangan pur....lb	35		10 lb 30
" pruss. flav.....lb	35		
" " rubr.....lb	75		
" silicas.....lb	30		
" " Liq.....lb	20		
" sulphos.....lb	15		pulv 13
" sulpho-cyanid....oz	12		
" sulphocarb.....lb	1	90	
" sulphuret.....lb	35		
" tartas.....lb	80		
Potassium.....oz	3	00	
Propylamino.....oz	75		
Pulv. aloes c. canella....lb	40		
" antimonialis P. L....lb	60		
" catechu comp.....lb	70		
" cinnam comp.....lb	75		
" cretæ aromat.....lb	1	70	
" " " c. opio.....lb	2	00	
" " comp.....lb	50		
" " " c. opio.....lb	70		
" cretæ c. camph.			
(1 in 8) lb	25		10 lb 22
" glycyrrh comp.....lb	40		bottle 35
" ipecac comp.....lb	1	30	
" jalap comp.....lb	75		
" kino comp.....lb	1	00	
" rhei comp.....lb	75		
" sapo cast.....lb	25		
" " " alb.....lb	35		
" scammon comp.....oz	30		
" seidlits Howards.....lb	27		14 lb 25
Quininae bisulph.....oz	60		
" bromid.....oz	75		
" citras.....oz	80		
" hydrochlor.....oz	65		
" iodid.....oz	90		
" phosphas.....oz	75		
" salicylas.....oz	75		
" sulph German.....oz	35		100 oz 24 25 oz 25
" " Howard'.....oz	40		100 oz 38
" " ".....oz	38		
" tannate.....oz	50		
" valerian.....oz	90		
Rad. aconiti.....lb	20		
" " contus.....lb	25		pulv 30
" anchusæ.....lb	20		
" angelicæ.....lb	25		pulv 30
" aretii (bardock)....lb	15		
" belladon.....lb	18		contus. 30
" calam. aromat.....lb	30		
" calumb.....lb	10		10
" curcumæ Madras....lb	10		" 12
" galangal minor....lb	15		
" " pulv.....lb	25		
" gentian, select.....lb	12		
" " ground.....lb	13		
" " pulv.....lb	16		
" ginseng.....lb	4	50	
" glycyrrh decort....lb	25		10 lb 22
" " incis.....lb	60		
" " dec't pulv....lb	10		bundles 12
" " sicut.....lb	12		brl. 11
" " grd.....lb	12		
" helleb alb.....lb	12		
" " pulv.....lb	16		keg 14 br. 13
" ipecac.....lb	2	75	
" " pulv.....lb	3	00	
" iridis florentine....lb	50		
" " pulv.....lb	60		

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Non-Poisonous and Non-Corrosive in Use.

*It is four times as effective as Carbolic Acid and ten times as effective as most other Disinfectants.*

**The best and cheapest Disinfectant, Antiseptic, Deodoriser and Cleanser.**

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Kills Fleas, Lice, Ticks on Animals . . . .

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ONE GALLON will wash 100 Sheep for \$2.00

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NEW PERFUME.

For General Debility,  
Nervousness,  
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The Great English Tonic.

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### ORANGE QUININE WINE.

For Indigestion, Dyspepsia, Loss of Appetite, Low Spirits, Languor, General Debility, Spring Lassitude, Slow Digestion, Neuralgia, Severe Colds, Fever and Ague, Malaria, Etc.

Quinine in this form is quicker in action and more effectual than when taken in pills.

AT ALL DRUGGISTS.

"THE BEST OF AMERICAN"

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R. PLANTEN & SON, ESTABLISHED 1836. New York.

MANUFACTURERS OF HIGHEST GRADES

SOLUBLE HARD AND ELASTIC SOFT CAPSULES,

Improved French Pearls and Globules.

SOME SPECIALTIES:

SANDALWOOD, ERIGERON, CREASOTE, TEREBENE, COMPOUND SANDAL, IODIDE ETHYL, WINTER-GREEN, APIOL, MALE FERN, ETC.

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ARE CELEBRATED THE WORLD OVER.

HIMPTY CAPSULES

For Powders, 8 Sizes; Liquids, 8 Sizes; Rectal, 3 Sizes; Vaginal, 8 Sizes; Horses and Cattle, 6 Sizes; Veterinary Rectal, 3 Sizes.

Capsules for Mechanical Purposes.

SPECIAL KIDNEY CAPSULES. NEW KINDS CONSTANTLY ADDED.

Send for Formula Lists of over 250 kinds.

SOLD BY ALL DRUGGISTS.

BEWARE OF SUBSTITUTION.

Rad. iridis Verona	.lb	40	
" jalapæ	.....lb	45	
" " pulv	.....lb	55	
" krameria	.....lb	80	
" paroisæ brava	.....lb	60	
" pyrethri	.....lb	85	
" rhei E. I. opt	.....lb	1 25	cubes 1.00
" " " sec	.....lb	75	
" " " elect opt	.....lb	2 25	fingers 1.50
" " pulv elect opt	.....lb	2 50	
" " " E. I. opt	.....lb	1 25	
" " " " sec	.....lb	80	" 80
" sanguinaria	.....lb	14	pulv 16
" sarsæ Hond	.....lb	45	incis 50
" " Jam	.....lb	60	" 70
" " Mexican	.....lb	18	20 lb 16
" scillæ sicc	.....lb	12	
" " pulv	.....lb	30	
" senegæ	.....lb	50	
" spigelia	.....lb	45	pulv 65
" sumbul	.....lb	90	
" taraxac sicc	.....lb	18	10 lb 15
" tormentillæ	.....lb	40	
" " pulv	.....lb	50	
" zingib. Afric. u. b.	.....lb	18	20 lb 15 bag 13
" " " pulv	.....lb	18	30 lb 16
" " " Jam. u. b.	.....lb	25	brl 23
" " " bleached	.....lb	30	10 lb 28
" " " pulv opt	.....lb	30	10 lb 28
" " " " sec	.....lb	25	
Resin flav	.....lb	4	brl 4.00 280 lbs.
" " pulv	.....lb	5	50 lb 4
Resorcin xtls	.....oz	20	lb 3.00
" resublim	.....oz	50	
Rhizoma arnica	.....lb	30	contus 40
" cimicifuga	.....lb	15	
" podophylli	.....lb	14	
" serpentaria	.....lb	65	pulv. 100
" valeriana	.....lb	15	pulv. 22
Rouge—Jewellers	.....lb	65	
Saccharine	.....dram	25	oz 1.20
Sacch. lactis pulv	.....lb	40	
Sago perlat. parv	.....lb	6	bag 5½
Sal prunellæ glob.	.....lb	20	
Salicinum	.....oz	20	lb 2.75
Salol	.....oz	40	
Salophen	.....oz	1 60	
Santonium	.....oz	20	lb 2.75
Sapo Castilæ Alb Contis	.....lb	16	box 15
" " " Shell	.....lb	12	" 10
" " " Virgin	.....lb	12	" 10
" " " cakes box	.....lb	5 00	
" " Mottled opt	.....lb	12	box 11
" " " com	.....lb	10	" 9
" " " cakes gross	.....lb	4 75	
" mollis ang	.....lb	10	20 lb 8
" " German Green	.....lb	35	
" mollis Green opt	.....lb	55	
Scammonia resin pulv	.....lb	4 00	
Scoparii cacumin	.....lb	25	
Secale Cornut	.....lb	1 00	
Sem. canary	.....lb	8	bag 7
" cardam Malabar	.....lb	1 75	1.50 & 1.25
" " decort	.....lb	1 00	
" " pulv	.....lb	1 50	
" celery	.....lb	25	
" chenopodii	.....lb	25	
" colchici	.....lb	55	pulv. 65
" cydonia	.....lb	50	
" cymini	.....lb	20	pulv. 25
" fœnugræci	.....lb	5	
" " pulv	.....lb	7	ground 6 brl 5
" hemp	.....lb	7	bag 6
" hyoscyam	.....lb	60	
" jambul	.....oz	20	



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**Full Deposit with the Dominion Government in  
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AGENCIES WILL BE ESTABLISHED THROUGHOUT THE DOMINION.

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Losses paid to date, exceed	•	•	\$25,000,000
Daily Income, 1889	•	•	7,611

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The favor of a share of your Fire Insurance is requested for this reliable, wealthy and liberal Company. Losses promptly settled and paid by the Canadian Management.

Sem. lini sifted.....lb	4½	brl. 3½
" lini crushed.....lb	5	brl. 3½
" " " No. 2.....lb	4	brl. 3½
" " " No. 8.....lb	3½	brl. 3½
" lobelia inflata..... lb	50	pulv 55
" maw.....lb	15	10 lb 14
" millet.....lb	6	keg 5
" pumkin.....lb	25	
" rapii.....lb	8	bag 7
" santonica.....lb	18	pulv. 28
" sinapis alb.....lb	15	
" staphisagria.....lb	20	
" stramonii.....lb	25	
Soda caustica stick.....lb	45	
" caustica cake.....lb	40	
" crystals.....lb	2	brl 1.25 per 100 lbs
" tartarata.....lb	28	
Sodii acetat pura.....lb	25	
" arsenias.....oz	10	lb 1.20
" benzoas.....oz	15	lb 2.00
" bicarb. pulv Morson's lb	10	
" " " Hd's..... lb	16	14 lb 15
" " pulv. coml... lb	4	keg 2 75 5 kegs 2.70
" bisulphis.....lb	25	
" bisulphas.....lb	30	
" bromid.....lb	65	
" carb. recryst..... lb	15	
" carbolas pur.....lb	3	50
" chlorid.....lb	1½	bag 1 (Rock Salt)
" hypophosphis..... lb	1	40
" hyposulphis..... lb	5	keg 112 lbs. 3.50
" iodid.....oz	40	lb 5.50
" nitras pur..... lb	30	coml. 8
" oxalas.....lb	50	
" phosph pur.....lb	25	pulv. 25
" salicylas.....lb	2	00
" silicas xtlas.....lb	15	
" " solut conc.....lb	10	
" sulphas.....lb	3	brl. 1½ Hds 5 [brl. 4.
" " exaicc. pulv... lb	15	
" " pur recryst... lb	30	
" sulphid..... lb	60	
" sulphis.....lb	7	pulv. 7
" sulpho carbolas.....lb	1	10
" valerian.....oz	50	
Sodium.....oz	40	
Sol. acid osmic 1%.....oz	1	50
" cocain 4%.....oz	1	60
" nitro glycerin 1%.....lb	1	25
Spartein sulph.....dr	40	os 2.00
Spice pickling.....lb	40	
Spt. ætheris comp.....lb	00	
" " nit S. G. 845.....lb	65	Whr. qt. 60
" ammon. arom.....lb	55	" 50
" " foetid..... lb	85	" 60
" camphor.....lb	65	" 60
" chlorof. S. G. 871.....lb	65	" 60
" cinnam.....lb	2	00
" menthas pip..... lb	1	10
" methylated.....gl	2	00 Brl. 1.75 cash
" myristica.....lb	90	
" rectificatus 65 o/p.....gl	4	25 5 gl. 4.20 in a/c.
" " " Brl	3	85 cash.
" vini gall.....gl	4	75 opt. 3.50
Spongia usta.....lb	2	50
Stanni chlorid. crist.....lb	25	
" oxid (putty-powder).....lb	65	
Stannum gran.....lb	50	
Stearin.....lb	15	
Strontii nitras exsicc.....lb	20	10 lb 18
" chloridum xtlas.....lb	30	
Strychnina cryst.....oz	1	00 10 oz 80
" sulph.....oz	1	20 in ½ oz bots
Styrax liquid.....lb	50	25 extra
Succus conii.....lb	75	

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Compound Syrup of Hypo-phosphites - - - - Doz. 8.50 3 Pts. \$3.17

Tasteless Preparation of Cod Liver Oil - - - - 8.50 3.17

Syrup Hydriodic Acid - - 8.50

Hypno-Bromic Compound (True Hypnotic) - - } ¼ lb. \$7.37  
 } ½ " 12.64

Bromo-Pyrine (Gran. Eff.) { 2 oz. 4.75  
 { 4 " 9.00  
 { lb. each 2.37

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Are numbered 1, 2, 3, 4, 5 and 6, (including number 7 which is a part of number 2) represents my trade marks, which are printed on the Caddy or Cartoon that surrounds every bottle of SAMARITAN NERVINE manufactured by me. No. 1 represents my picture printed on the front side of the cartoon. No. 2 represents and contains my picture surrounded by four globes printed on the back side of the cartoon. Nos. 3 and 4 represent the sides of the cartoon, and contain the pictures of two men devoid of skin, showing the nervous system and blood vessels. No. 5 is printed on the top of the cartoon, and represents a man falling in a fit. No. 6 is printed on the bottom of the cartoon, and represents a temperance fountain. No. 7 is a part of No. 2 and represents a pictorial illustration of the Good Samaritan of bible history, and is printed below my picture which is surrounded by four globes. I am the sole owner and proprietor of said trademarks and any one who attempts to use the same, other than myself are imitators and frauds. The penalty for counterfeiting or imitating or offering for sale is a penitentiary offense or a fine of \$1,000.00 or imprisonment. The law does not screen the druggist who offers to sell goods of a fraudulent character, but binds him equally with the manufacturer of said bogus goods. I warn the trade and the public in general, that they are forbidden the use of any said trade-marks.

DR. S. A. RICHMOND,

The People's Medical Servant,

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**STANDARD HOUSEHOLD REMEDIES.**

**DR. S. A. RICHMOND'S Family Medicines**

Are prepared with great care expressly for family use, under the immediate supervision of Dr. S. A. Richmond himself, who is thoroughly acquainted with each drug and its effects upon the human system.

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Is the only known infallible specific remedy for epileptic fits, spasms, convulsions, St. Vitus dance, alcoholism, opium eating and all nervous diseases. Price, \$1.50

**Richmond's Rheumatic Lightning,**

A balm for every ill that affects man or beast, requiring no external application. There is no pain it will not relieve; no swelling it will not subdue, and no lameness which it will not cure. Every application contains relief, and every bottle a cure. Rheumatics throw away your crutches and rejoice. Price, 50 cents and \$1.00.

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For spermatorrhoea, seminal weakness, impotency, sexual debility and barrenness in both sexes. Price, \$1.50.

**Richmond's Sexual Pills**

For lost manhood, womanhood, sexual decline, and weakness in both sexes. As a sexual tonic there is no known remedy in the whole history of the pharmacopoeia that will compare with them. They are an absolute specific. Price \$1.50.

**Richmond's Liver Pills,**

Little in size and large in results. Absolutely free from mercury and other mineral poisons. Price, 25 cents.

**Richmond's White Rose Cream,**

Drives away tan, freckles and sunburn, invigorates and preserves the complexion, and renders the cheeks and lips as fragrant as a rose. Also cures tetter, salt rheum, and eczema, where all other known remedies have failed. Price, \$1.00.

**Richmond's Hair Renewer**

Will instantly remove that intense itching of the scalp, relieves the head of dandruff, stops the hair falling out and is one of the best hair dressings known. Price, \$1.00.

**Richmond's Eye Salvo,**

For granulated lids, or chronic sore eyes. It has proved itself to be the most reliable medicine for the eye yet discovered. Price, 25 cents.

**Richmond's Floriline,**

A perfume distilled from a thousand flowers. This is one of the richest, most lasting and refined of all handkerchief perfumes. Price, 25 and 50 cents

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Given internally to resolve and eliminate the uric acid and lactic acids in the blood and joints of old, lingering and chronic cases of rheumatism. Price, \$1.00.

**Richmond's Injection Bron.**

An injection to be used in gonorrhoea, spermatorrhoea, and Leucorrhoea. Price, \$1.00.

**Richmond's Female Regulating Pills,**

An infallible remedy, taken monthly, safe and always reliable. Price, \$1.50

**Richmond's Lung Balsam**

For all throat and lung diseases. Price, \$1.00.

**WHOLESALE PRICE LIST.**

	1 DOZEN.
Samaritan Nervine.....	\$12 00
Radical Regenerator.....	12 00
Rheumatic Lightning, Large Size .....	8 00
Small .....	4 00
Richmond's Rheumatic Resolvent.....	8 00
Hair Renewer.....	8 00
Female Regulating Pills.....	12 00
White Rose Cream.....	8 00

	1 DOZEN.
Richmond's Liver Pills.....	\$ 1 50
Richmond's Sexual Pills.....	12 00
Richmond's Eye Salvo.....	2 00
Richmond's Floriline, Small Size .....	2 00
Large .....	4 00
Richmond's Injection Bron.....	8 00
Richmond's Lung Balsam.....	8 00

All of Dr. S. A. Richmond's Family Medicines are sold by dealers and druggists throughout the country.

PREPARED BY

**DR. S. A. RICHMOND, Sole Proprietor, TUSCOLA, Ill.**

Buccina limon fruit W. I. ....	gl	00	brl. 80
" rhamni.....	lb	25	
" scoparii.....	lb	70	
" taraxaci.....	lb	05	
Sulphonal—Bayer.....	oz	40	lb 5.25
Sulphur Lau.....		12	10 lb 11
" praealp (H. P.).....	lb	20	10 lb 18
" rotund.....	lb	4	brl 2½
" sublim.....	lb	4	bag 110 lbs 2½
" vivum.....	lb	5	25 lb 4½
Sulphuris fidei.....	oz	40	
Syrup aurant.....	lb	20	
" cololum.....	lb	50	
" ipecaco.....	lb	45	
" ipecaco comp.....	lb	80	Whr. qt. 82
" lactucarii.....	lb	45	
" limonis.....	lb	30	" 25
" papaveris.....	lb	35	
" pruni virg.....	lb	25	" 20
" rhamni.....	lb	50	" 45
" rhei.....	lb	32	" 28
" rhei aromat.....	lb	35	" 30
" rhœados.....	lb	30	
" sarsae co.....	lb	35	
" scillae.....	lb	20	" 15
" " co.....	lb	35	" 30
" senega.....	lb	50	
" senna.....	lb	45	" 40
" simplex.....	gl.	80	5 galls. 75
" tolu.....	lb	22	Whr. qt. 10
" zingiberis.....	lb	80	" 25
Tamarindus, W. I.....	lb	14	10 lb 12
Tapoca slake.....	lb	8	bag 7
" pearl.....	lb	8	bag 7
Torobono.....	lb	75	
Torobinth canadensis.....	lb	45	china oz 50
" Venot.....	lb	15	
Torpine Hydrat.....	oz	20	
Torpinol.....	oz	30	
Thallin Sulphate puro.....	drm	40	
Thymol.....	oz	40	
Tonquin beans.....	lb	2 50	& 1.50
Tripoli.....	doz.	90	
Triticum repens.....	lb	20	
Troch. acid carbolico.....	lb	75	L. T. H 1 60
" " drops.....			Gibson's 1 20
" " iannio.....	lb	75	L. T. H. 1.60
" acconite L. T. H.....	lb	90	
" Bath pipe.....	lb	35	
" borneo acid L. T. H.....	lb	90	
" Bronchial P. D. & Co.....			5 lb can 1.75 each
" cachou dwarf bouquet.....	lb	52	
" " floral gems.....	lb	52	
" camphor.....	lb	75	
" capsici.....	lb	80	Domestic 35
" catechu.....	lb	80	T. H. P. 1.00
" chlorodyne.....	lb	65	Gibson's 90
" coltsfoot.....	lb	40	
" cubeb T. H. P.....	lb	90	
" fruct.....	lb	90	[Black currant]
" gelatine.....	lb	60	
" glycerin [jujubes].....	lb	85	
" guaiaci L. T. H.....	lb	90	
" ipecac.....	lb	70	
" kino T. H. P.....	lb	1 15	
" kramariae.....	lb	1 00	
" licorice (pipe).....	lb	35	
" lime fruit tablets.....	bot		Gibson's 1.20
" mentha pip G.S.....	lb	65	
" mentha pip [No. 1].....	lb	65	
" mentha pip [XXX].....	lb	50	
" morphine.....	lb	1 00	
" " et ipecac.....	lb	1 00	
" mosch.....	lb	75	
" opii.....	lb	70	

# THE GENUINE EAU DE COLOGNE,

Distilled strictly according to the original recipe of the  
Inventor, is manufactured by

**Johann Maria Farina Julich Place No. 4,  
Cologne o/ Rhine**

*Patented Purveyor to H. R. H. the Prince of Wales, and to  
several other Imperial and Royal Courts.*

This **EAU DE COLOGNE** was distinguished with prize-medals  
and diplomas at the Exhibitions of all nations in London  
1851, New York 1853, London 1862, Oporto 1865,  
Cordova 1871, Vienna 1873, Santiago (Chili)  
1875, Philadelphia 1876, Cape Town 1877,  
Sydney 1879, Melbourne 1880, Boston  
1883, Calcutta 1884, Adelaide 1887,  
Melbourne 1888-89, and at  
Kingston (Jamaica) 1891.

I beg all consumers wishing to obtain the *genuine  
Eau de Cologne*, distilled strictly according to the  
original recipe of the inventor, my ancestor, to pay  
special attention to my firm:

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*Patent Purveyor to H. R. H. the Prince of Wales, and  
to several other Imperial and Royal Courts.*

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(ANTI-CALOR.)

*A New Combination of the Phenol  
Derivatives.*

**A SAFE, EFFECTIVE AND CHEAP  
ANTIPYRETIC AND ANODYNE.**

Indicated in

**Fever, Headache,  
Neuralgic,**

—AND—

**Rheumatic Pains.**

Antikol is an article of genuine merit, clinically tested  
and proved to be all that is claimed for it.

Antikol is sold only in one ounce packages, price **65c.**

✶ A trial sample will be sent **FREE** on application.

**ANTIKOL CHEMICAL CO.**

**B. F. RIDDELL, Ph. G. Pharmacist, Sole Agent,**

**8 Granite Block, FALL RIVER, Mass., U.S.A.**

**LYMAN, SONS & CO., Wholesale Agents.**



**PURE CALABRIA "Y. & S." LICORICE,**

4, 6, 8, 12 and 16 to pound.

"Acme" Licorice Pellets, in 5-pound Tin Cans.

Tar, Licorice and Tolu Wafers, in 5-pound Tin Cans.

Licorice "Y. & S." Lozenges,

In 5-pound Tin Cans and 5-pound Glass Jars.

"Purity," Pure Penny-Licorice,

100 and 200 Sticks in a Box.

Ringed Licorice, 17 Sticks to a lb.

MANUFACTURED  
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PROPRIETOR,  
DR. GARNEAU,  
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A new and positive cure for  
CATARRH, ASTHMA,  
HAY FEVER, COLD  
IN THE HEAD, &c., &c.

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**Syrup of Turpentine,**

For Diseases of the Respiratory  
and Urinary Organs.

SMALL SIZE.

Less than 1 Gross, - - - \$ 2.00 per Doz.  
One Gross or more, - - - 21.00 " Gross.

LARGE SIZE.

Less than 1 Gross, - - - \$ 4.00 per Doz.  
One Gross or more, - - - 42.00 " Gross.

Terms, 4 mos. or 5% discount for cash in 30 days.

**BUY ONLY  
THE BEST**



**THE GAIL BORDEN  
Eagle Brand Condensed Milk**

Has maintained its high reputation for **ABSOLUTE  
PURITY** for over a **QUARTER OF A CENTURY.**  
**AS A FOOD FOR INFANTS IT HAS NO EQUAL.**  
FOR SALE BY

**LYMAN, SONS & CO.,**  
MONTREAL.

Troch	paregoric.....lb	70	
"	pontefract.....lb	35	
"	potass. ch'or.....lb	50	Tablets 60
"	pyrethri L. T. H.....lb	90	
"	rosae.....lb	70	
"	sedative L. T. H.....lb	90	
"	to'u.....lb	70	
"	tussi [cough].....bot	1 50	Gibson's
"	" " Watsons.....tin	1 25	[Prestou's]
"	" " ".....tin	1 25	each
"	vermifuge.....lb	50	worm
"	voice [jubes].....lb	85	
Ung.	acid borac.....lb	70	
"	acid carbo ic.....lb	1 00	
"	" salicylici.....lb	1 10	
"	a thrae.....lb	35	
"	he ladon.....lb	70	
"	calificiens.....lb	50	
"	calaminge.....lb	40	
"	cantharidis.....lb	80	
"	cetacei.....lb	80	
"	chrysarobini.....lb	80	
"	eucalypti.....lb	75	
"	ga lac opio.....lb	90	
"	hydrarg ammon.....lb	75	
"	" fort.....lb	50	25 lb 55 mit. 50
"	" nitrat.....lb	50	dilut 45
"	" oxid rub.....lb	75	
"	iodi.....lb	60	
"	iodoformi.....lb	1 20	
"	picis liquid.....lb	30	
"	plumb iodid.....lb	1 20	
"	plumbi.....lb	25	
"	resinige.....lb	45	
"	ro' crani.....lb	25	
"	sabiuge.....lb	70	
"	sambuci.....lb	45	
"	simplex.....lb	50	
"	sulph.....lb	25	
"	" comp P. L.....lb	25	
"	zinci.....lb	30	
"	zinci oleati.....lb	60	
Uranii acetat.....oz		60	
" nitras.....oz		60	
Urethane.....oz		55	
Vanilla beans.....lb			6 1/4 in. 5.50
".....lb			7 " 6.00
Vaseline, List prices.....	25 00		10%
Veratrina.....oz	1 35		
Verdigris.....lb	35	powd 40	
Vinum rubrum [port].....gl	3 00	qr. cask 2 90	
" " opt ".....gl	3 50	" 3 25	
" xericum [sherry]gl	1 75	" 1 65	
" " opt.....gl	3 00	" 2 75	
" " " fine...gl	3 60	" 3 25	
Wine, Beef and Iron.....gal	4 00		
Witch Hazel extract.....gl	1 50	5gals 1.25 10gals 1.00	
Whiting.....lb	1	brl 65c per 100 lb	
Zinci acetat.....lb	45		
" benzoat.....lb	1 50		
" bromid.....oz	25		
" carb.....oz	35		
" ch'orid. sticks.....oz	15	1/2 lb 45, lb 75, bt. free	
" iodid.....oz	60		
" oleat.....lb	1 20		
" oxidum Howard's.....lb	65		
" " Coml.....lb	15	10 lb 12	
" phosphas pur.....lb	1 25		
" phosphid.....oz	60		
" sulphas com.....lb	5	keg 4	
" " pur.....lb	9	10 lb 8	
" st.iphocar.....oz	25	lb 3.00	
" valerian.....oz	30	lb 4.00	
Zincum granulatatum.....lb	30		

(TO THE TRADE ONLY)

# Porter, Teskey & Co.

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## FINE FISHING TACKLE

454 & 456 St. James Street, MONTREAL,

CANADIAN HEADQUARTERS FOR

### Salmon Flies, Lines, Rods & Reels.

Standard Redpath and Forrest Flies.  
Selling Agents for Skinner's Spoon Bait's—the best made.  
A full stock of English and American Rods.  
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Exclusive Canadian Agents for Hy. Milward & Son's Red-ditch—the oldest and most extensive Tackle makers in the world.

Send for Catalogue.

Mention this Journal when ordering.

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# Green Mountain Preparations

Green Mountain Balm, . . . .	\$2.00 doz.
" " Syrup, . . . .	2.00 "
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" " Chocolate Worm Bon-Bons, . . . .	2.00 "
" " May Apple Pills, . . . .	2.00 "
" " Bitters, . . . .	2.00 "
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Terms, 4 months or 5% Cash.

# RED MESSINA ORANGE, CHERRY RIPE, AND KASHU, SODA-WATER FLAVORS FOR 1893.

**O**RANGE never amounted to much as a soda-water flavor till Red Messina Orange became the popular favorite. Now the fountains all over the country are serving "Orange," "Red Orange," "Messina Orange," and Red Messina Orange. We are responsible for it. Better have the genuine.

**CHERRY RIPE** is a modified cherry, of course. We expect a run on it, New. **KASHU** is new. It has a peculiar spicy richness, heavy, full and strong.

**CHOCOLATE**—new to nine-tenths of the fountains but not to those that serve the finest chocolate.

These four flavors will lead the trade this year unless we mistake the signs. We are going to advertise them. Better be ready.

There are a great many ways to get people into a drugstore; there are ways to keep 'em out, too. And people go in or keep out according to how the stores are managed. Don't be surprised if a book of less than a hundred pages don't tell all the ways to get people in and to keep 'em out. We don't know everything too; do you? We are sure of what we put into that book though.

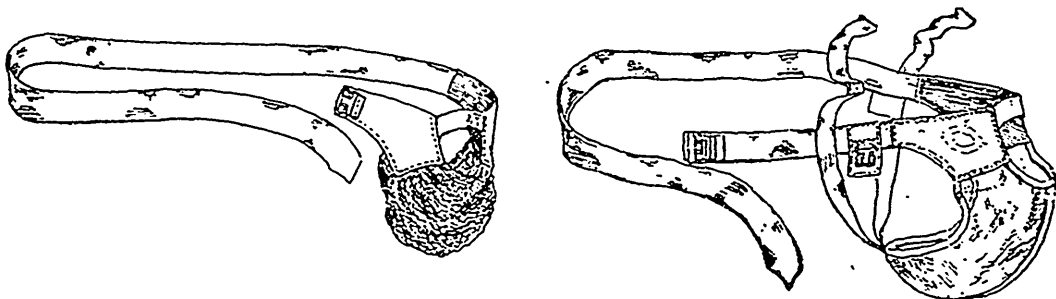
Order fruit juices, direct or through your jobber; let's be acquainted.

Philadelphia Callowhill and Marshall Streets  
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HANCE BROTHERS & WHITE,

Pharmaceutical Chemists.

## Suspensory Bandages



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CAMDEN, NEW JERSEY, U. S. A.

WRITE FOR PRICE LIST.

*Our Goods are carried in stock by LEHMAN, SONS & Co.*



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A CONDENSED FOOD

Prescribed by more than 25,000 physicians during the present year. It will sustain and nourish babies, children, invalids and aged people when all else fails.

Creates new and vitalized blood faster than any other food preparation in the world. For overworked and insufficiently nourished people; over-taxed professional and laboring men.

Builds up the system after severe illness when recovery is slow and the appetite poor. Nursing mothers, teething infants and puny children thrive surprisingly by its use, a change for the better being perceptible often within 24 hours.

It is the only thing that will permanently cure nervous prostration, dyspepsia, cholera infantum and excessive irritability of the stomach from any cause.

Read the remarkable testimonial from Col. Fred. Grant, regarding the prolongation of his father's life by the use of Bovinine :

"During the last four months of his sickness, the principal food of my father, Gen. Grant, was **Bovinine** and milk and it was the use of this incomparable food alone that enabled him to finish the second volume of his personal memoirs. October 1st, 1885. **FRED. D. GRANT.**"

Send for pamphlet containing testimonials from a large number of the leading physicians of the country.

Put up in 6 and 12 oz. size, at 60 cts. and \$1.00 per bottle. 12 oz. contains the strength of 10 pounds of beef.

NEW YORK. CHICAGO. BOSTON.  
**LYMAN, SONS & CO.,** Sole Agents for Canada, **MONTREAL.**

# A-CORN SALVE

Removes the Toe Corn Every Time!  
 The Best Corn Remedy Known!

**T**HOUSANDS of Druggists in the United States have found that it is the quickest seller of its kind ever introduced because it is the best **CORN** Salve in the market.

**E**VERY dozen is mounted upon our handsomely Lithographed Counter Stand which attracts immediate attention and thus helps to advertise the goods.

We are advertising in a number of Canada papers, and in response to our offer are sending out many trial size boxes to individuals. This method will at once create a demand for the "A-CORN" in Canada. To meet this first demand you should have the goods in stock. Send to your jobber for a single dozen. We know you will soon order in gross lots.

We give a few extracts from letters we have already received from Canada from those who have sold it, and from some who have used it :

**GIANT CHEMICAL CO.,** Phila., Pa.

YARMOUTH, N.S., Dec. 10th, 1887.

**GENTLEMEN** :—I can recommend A-Corn Salve ahead of all other corn cures. I cannot sell any other corn medicine since I introduced A-Corn Salve, and once used by anyone suffering they send others far and near to buy it, and in no case has it failed to cure. Yours, &c., (Signed), **J. A. CRAIG.**

"I find it a ready seller and a good article."—**R. GORHAM,** Hamilton, Bermuda.

"The A-CORN beats all other kinds of Corn Salves. It has taken out two large corns for mother."

—**WM. MCGIRR,** Medina, Ont.

"It is an excellent remedy."—**A. ATKINSON,** Cascades, Quebec.

**R**EMEMBER this is not a new article you are asked to buy as an experiment which may possibly prove worthless, but a well tried remedy in the United States and an established success, and we desire to make it the same thing in Canada.

A trial order for 1 doz. from your Jobber will verify all we have said.

Price in Canada \$1.00 per doz.

Sold by **LYMAN, SONS & CO.,** Montreal, Canada.



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A. D. 1777.

## G. B. Kent *and* Sons, London,

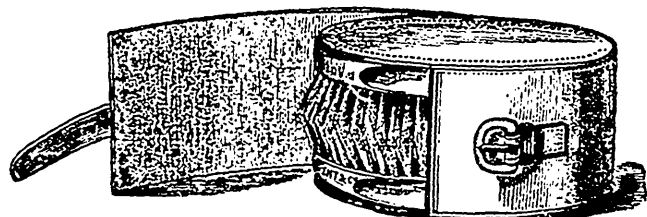
ESTABLISHED A. D. 1777.

are the manufacturers of the most durable English wire drawn Toilet Brushes,

for Hair,

Tooth,

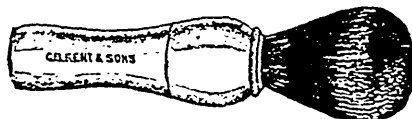
Nail,



Shaving,

Cloth,

and Nat.



PROPRIETORS AND MANUFACTURERS OF JOHN GOSNELL & CO'S BRUSHWARE.



*Import orders of 12 dozen and upwards for Best Tooth Brushes, may be stamped gratis with the name and address of the retailer.*

Kent's Brushes are for sale by all wholesale druggists and druggists-sundrymen in the Dominion.