

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

Coloured covers/
Couverture de couleur

Coloured pages/
Pages de couleur

Covers damaged/
Couverture endommagée

Pages damaged/
Pages endommagées

Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée

Pages restored and/or laminated/
Pages restaurées et/ou pelliculées

Cover title missing/
Le titre de couverture manque

Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées

Coloured maps/
Cartes géographiques en couleur

Pages detached/
Pages détachées

Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)

Showthrough/
Transparence

Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur

Quality of print varies/
Qualité inégale de l'impression

Bound with other material/
Relié avec d'autres documents

Continuous pagination/
Pagination continue

Tight binding may cause shadows or distortion along interior margin/
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure

Includes index(es)/
Comprend un (des) index

Title on header taken from: /
Le titre de l'en-tête provient:

Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.

Title page of issue/
Page de titre de la livraison

Caption of issue/
Titre de départ de la livraison

Masthead/
Générique (périodiques) de la livraison

Additional comments: /
Commentaires supplémentaires:

Irregular pagination: i-x, [101]-110, xi-xii, 111-116, xiii-xiv, 117-120, xv-xlviii p.

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	14X	18X	22X	26X	30X
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12X	16X	20X	24X	28X	32X

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. 6.

SEPTEMBER, 1893

Terms: \$1.00 per annum.

HENRY LYMAN.

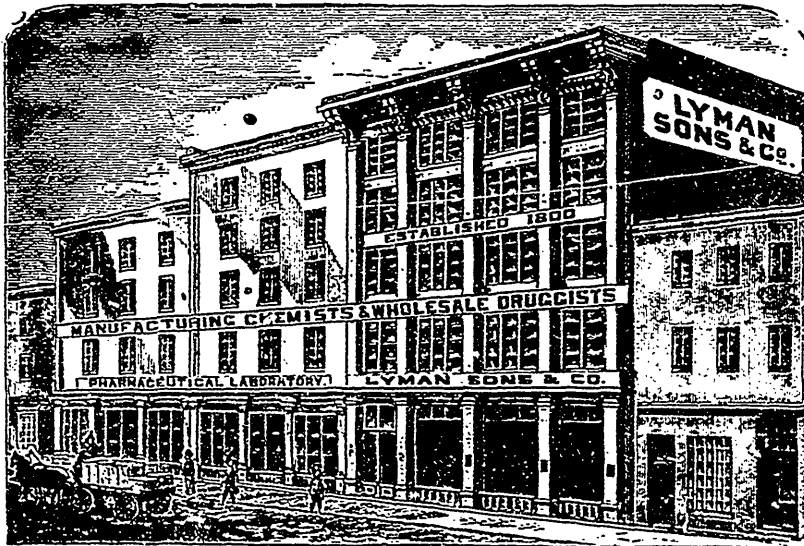
H. H. LYMAN.

HENRY MILES

LYMAN, SONS & CO.

ESTABLISHED 1800.

Wholesale Druggists and Manufact'g Chemists



OFFICES, WAREHOUSE & LABORATORY,

382, 384 and 386 St. Paul Street.

MILL: 10 & 12 DeBRESOLES STREET,

MONTREAL.



The above illustration shows a dozen bottles of

Rubifoam

in box set on top of its cover, as it should be shown on dealer's counter or show case. Rubifoam is only put up in one size, retailing for 25 cents.

Price to Dealers \$2.10 per doz.
 " " \$2.40 per gross.

Advertising Novelties will be furnished on application.

MANUFACTURED BY

E. W. HOYT & CO., Lowell, Mass., U.S.A.

Proprietors of the Celebrated **HOYT'S GERMAN COLOGNE.**

LYMAN, SONS & CO., Manufacturers' Agents for the Dominion of Canada, MONTREAL, P.Q.



LYMAN;
SONS & CO.

St Paul Street,

MONTREAL.

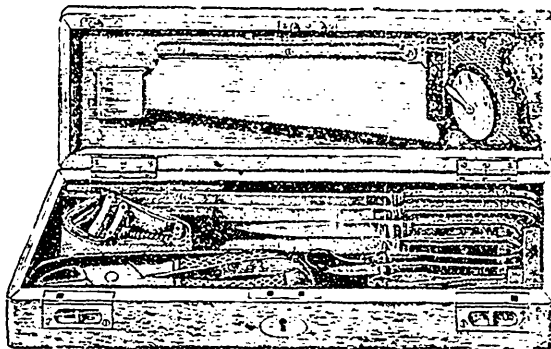
DEALERS IN . .

SURGICAL and
VETERINARY
INSTRUMENTS

Amputating Cases

- Aspirators
- Batteries
- Buggy Cases
- Bougies
- Catheters
- Catgut
- Dissecting Cases
- Eye & Ear Instruments
- Forceps
- Inhalers
- Knives
- Laryngoscopes
- Microscopes
- Needles,
- Ophthalmoscopes

Pessaries, Pocket Cases, Splints, Specula,



- Vial Cases
- Urinometers
- Trocars
- Trephines
- Tourinquets
- Thermometers



Prices reduced. . . . Write for Quotations.

Orders filled same day as received.



TO DRUGGISTS

Have you **Hind's** in your
ever tried **Cream** own family?

If not, kindly make use of a bottle at our expense and we will send you one free to make it good with your next order (if order is received before Oct. 15th prox.), as we know you cannot fail to speak highly of it if once you try it.

How is your **Hind's Honey** and
Stock of **Almond Cream?**

The Druggists all tell us that the Ladies will have it both for themselves and for their little ones.

The testimonials from most unexpected sources keep coming in, telling of its good work as a Toilet and Nursing Requisite, and of its wonderful healing qualities.

SPECIMEN OPINIONS OF THOSE WHO HAVE SOLD IT:

We think it indeniably the best thing in the market. Has a constant and increasing sale with us.—COOK, EVERETT & PENNELL, Wholesale Druggists, Portland, Me.
It is a very, VERY popular article.—B. F. BRADBURY, Boston.
The demand comes direct from our customers, and not the result of urging it.—WEEKS & POTTER, Boston.
In our long experience we never remember to have sold an article giving such general satisfaction.—CARLETON & HOVBY, Lowell, Mass.
We never sold so much of any Toilet Article in so short a time.—CANNING & PATCH, Boston.
Every sample has brought a customer.—E. L. HENCHMAN, Boston.
I recommend it.—W. A. KNIGHT, Boston.
Its increased demand has been a surprise to us.—DOOLITTLE & SMITH, Boston.
Please send us another gross of the Cream.—GEO. L. CLAPLIN & Co, Providence, R.I.
Our customers speak highly of it.—GALMAN BROS., Boston.
We have sold it for a long time and the sale is constantly increasing.—GEO. C. GOODWIN & CO.
We consider it a neat, tasty and popular article.—CARTER, CARTER & KILHAM, Boston.

PRICES.
One doz. (and less than 6 doz.) **\$4.00**
Six doz. " " " **3.75**
Subject to a 5 per cent. Cash Discount within 30 days.

Davis & Lawrence Co'y, (Limited), GENERAL AGENTS *Montreal.*
FOR CANADA.

THIS PREPARATION will mend anything that is broken, and will hold like grim death, and is pronounced by experts to be the greatest article ever invented for the purpose.

It will cement Leather, Wood Crockery, Glassware, Iron, and everything else. Crockery or Glassware mended with it will

NEVER BREAK in the SAME PLACE

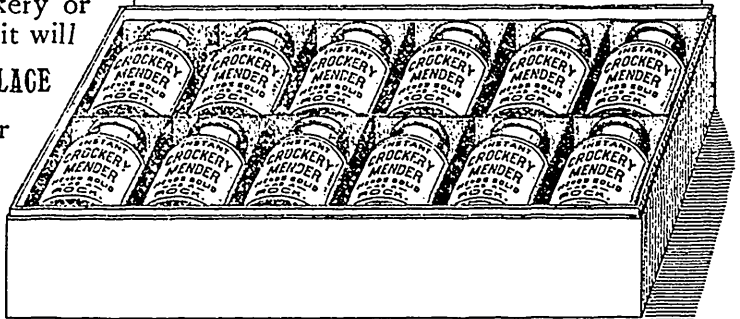
but will be found stronger than ever before. It is also of great value for mending Furniture and cementing tips on Billiard Cues, as well as for a thousand other purposes

Anyone can use it. It is in liquid form, and always ready for use, requiring no heating but sets quickly.

Order a sample dozen, it is an excellent article; sells quickly; attracts a great deal of attention and will advertise you. Write for testimonials from leading druggists.

EAST MANUFACTURING CO.,
Sole Manufacturers, BUFFALO, N.Y., U.S.A.

INSTANT
CROCKERY MENDER.
25 CENTS.
Mends Solid as a Rock.



W. A. DYER & CO.

Manufacturing Chemists,

14 & 16 PHILLIPS SQUARE, +

AND

+ 2192 & 2194 ST. CATHERINE ST.,

MONTREAL.

BANDAGES, ROLLER MUSLIN.

BANDAGES, ANTISEPTIC GAUZE

BANDAGES, COTTON.

Do PLASTER PARIS.

Do ABSORBENT.

ALL SIZES.

CATGUT, ASSORTED.

COTTON WOOL, ABSORBENT.

COTTON WOOL, SALICYLATED.

COTTON WOOL, BORATED.

COTTON WOOL, SUBLIMATED.

Drainage Tubes, Rubber and Bone.

GAUZE, ABSORBENT.

GAUZE, IODOFORM.

GAUZE, BORATED.

GAUZE, NAPHTHALIN.

GAUZE, CARBOLIZED.

GAUZE, SUBLIMATED.

GAUZE, EUCALYPTOL.

GAUZE, SALICYLATED.

GAUZE, DOUBLE CYANIDE, [LISTERS.]

GUTTA PERCHA TISSUE. INHALERS, COGHILL.

INHALERS, CELLULOID ORO NASAL

JUTE, PLAIN BLEACHED.

JUTE, CARBOLIZED.

Do ABSORBENT.

Do NAPHTHALIN.

LINT, PLAIN AND BORATED.

MACINTOSH CLOTH, OAKUM TARRED.

PEAT SILK, WHITE, ON REELS.

SILK, IRON DYED, ALL SIZES.

SPONGES, GAMGEE'S PLAIN.

SPONGES, GAMGEE'S EUCALYPTOL.

SANITARY TOWELS, LADIES'.

DYER'S JELLY OF CUCUMBER AND ROSES.

DYER'S QUININE AND IRON WINE.

DYER'S ARNICATED TOOTH PASTE.

AGENTS AND MANUFACTURERS FOR THE DOMINION OF CASSWELL, MASSEY & CO.'S EMULSION
OF COD LIVER OIL WITH PEPSIN AND QUININE.

Manufacturers of COMPRESSED TABLETS, TRITURATES and LOZENGES.

SWAYNE'S

SWAYNE'S OINTMENT

AN UNFAILING REMEDY FOR ALL SKIN DISEASES SUCH AS TETTER, ITCH, SORES, PIMPLES, ERYSIPELAS, RING WORM, BLOTCHES, &c.

OINTMENT

THE GREAT CURE FOR
ITCHING PILES

SWAYNE'S OINTMENT

Gives better satisfaction, has the largest sale of any Ointment in the United States.

It is warranted to cure the worst case of **PILES** or the most obstinate **SKIN DISEASE**.

Its merits are being steadily brought before the public by liberal and persistent advertising, and under no circumstances will its proprietors allow legitimate competition to capture its well merited laurels.

CHEMISTS and DRUGGISTS will find **SWAYNE'S OINTMENT** a valuable addition to their Stock, and our

WHOLESALE AGENTS FOR CANADA,

LYMAN, SONS & CO.

MONTREAL,

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

—PREPARED ONLY BY—

DR. SWAYNE & SON, 36 South Seventh Street, PHILADELPHIA, U. S. A.

-Chloride of Silver



-Dry Cell Batteries

GALVANIC, FARADIC, COMBINED.

SOLE AGENTS FOR THE DOMINION OF CANADA.

We would recommend these Batteries for their compactness and portability, cleanliness, convenience and rapidity of action, constant and uniform current, extreme durability, cheapness in use.

LYMAN, SONS & CO.,
MONTREAL.

Bird Seed and Bird Food

	N. Y. PRICES
McAllister's Mocking Bird Food,— 1 lb jars, per doz. \$2.50 (In ¼ gross case) per gross, \$27.00	
McAllister's Parrot Food,— 1 lb boxes, per doz. \$1.20 (In ¼ gross case) per gross, 12.00	
McAllister's Bird Gravel,— ¼ gross cases..... per case, 1.25	
McAllister's Mixed Bird Seed,— 36 one lb boxes..... " 2.16	
McAllister's Mixed Bird Seed,— 5 case lots..... " 2.00	
McAllister's Mixed Bird Seed,— 10 case lots..... " 1.80	
McAllister's Bird Lice Destroyer,— In bellows box, per doz. boxes, \$1.50 Per gross, 16.00	
Sheppard's Canary Bird Food,— Per doz. boxes..... 1.50 " 15.00	
Sheppard's Song Restorer,— Per dozen boxes..... 1.80 " 18.00	
Sheppard's Gold Fish Food,— Per doz. boxes..... .60 " 6.00	

The above articles can be obtained from all
Wholesale Druggists.

A. E. McALLISTER, Seed Mcht. & Importer,
22 Dey Street, NEW YORK.

WATSON'S Cough + Drops

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

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.

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

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

What the Wholesale Drug Houses in Canada say about **GIBBONS' TOOTHACHE GUM.**

ST. JOHN, N.B., Dec. 3rd, 1892.

MESSRS. J. A. GIBBONS & Co.

Gentlemen,—In reply to your letter of 29th inst., I must say that your Toothache Gum has been a good seller with me, and I have had many speak of its merits, and few indeed complain. From my experience in handling this article, I have no hesitation in recommending it.

Yours very truly, S. MCDIARMID.

MONTREAL, Dec. 8th, 1892.

MESSRS. J. A. GIBBONS & Co., Toronto.

Gentlemen,—Yours of 29th ult. came duly to hand, and we are pleased to say that your Toothache Gum has had a good and increasing sale.

Yours truly, LYMAN, KNOX & CO.

LONDON, ONT., December 2nd, 1892.

MESSRS GIBBONS & Co., Toronto.

Dear Sirs,—Replying to yours of the 29th inst., the sales of your Gum appear to be on the increase, and, so far as we know, gives satisfaction wherever used.

Yours truly, THE LONDON DRUG CO.
J. MATTINSON.

WINNIPEG, MANITOBA, Dec. 12th, 1892.

MESSRS. J. A. GIBBONS & Co., Toronto.

Dear Sirs,—We have very much pleasure in stating that the sales of Gibbons' Toothache Gum continue to increase. We look upon it as one of the best selling patents we have in stock:

Yours truly, MARTIN ROSSER & CO.

MONTREAL, Dec. 1st, 1892.

MESSRS. J. A. GIBBONS & Co., Toronto, Ont.

Gentlemen,—We have to acknowledge your favor of the 29th inst., and in connection with same, we have pleasure in stating that we have for some years handled the preparation known as Gibbons' Toothache Gum; since the introduction of this preparation, the sale has been very satisfactory, and it is in great favor with the retail drug trade.

Yours truly, LYMAN, SONS & CO.

MONTREAL, Dec. 1st, 1892.

MESSRS. J. A. GIBBONS & Co.,
17 Jordan Street, Toronto.

Dear Sirs,—Replying to your favor of the 29th ult., we can safely say that Gibbons' Toothache Gum has proved a very good seller with us. The demand from the time we first handled it has steadily increased, and the article seems to give great satisfaction to those who use it. Wherever the article has been sold we get repeat orders.

Yours truly, EVANS & SONS, (LIMITED).
Per A. B. EVANS.

WINNIPEG, Dec. 16th, 1892.

MESSRS. J. A. GIBBONS & Co.

Gentlemen,—Replying to your favor, we beg to say you are at liberty to state that Gibbons' Toothache Gum is having a good sale with us, and giving general satisfaction to the trade.

Yours truly, BOLE, WYNNE & CO.

MANUFACTURED
BY

J. A. GIBBONS & CO., TORONTO.

FOR SALE BY ALL
WHOLESALE DRUGGISTS.

STEEDMAN'S Soothing Powders,

FOR CHILDREN CUTTING TEETH.

IN USE OVER 50 YEARS.

"JOHN STEEDMAN, Chemist, Walworth, Surrey," is engraved on the Government 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.

Originated and Manufactured only by

C. T. HEISEL,
Cleveland, Ohio,—AND— Toronto, Ont.
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. Unlike other preparations, it never fails to cure by simply applying a little on the cheek outside. You need have no hesitation in recommending it, as it will surely give satisfaction. 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, Cor. 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.

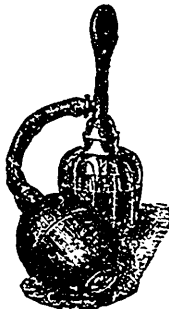
MANUFACTURERS OF

SYRINGES . ATOMIZERS,

AND ALSO WORKERS IN WHITE METALS.



No. 2—TOILET.



No. 3—NASAL.



No. 6—LARYNX.

We 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, "

=====

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

Lime Fruit Tablets,

Everton Toffy,

Mixed Fruit Drops,

Rose Drops.

Acid Drops,

Tip Top Tablets,

Gibson's Cough Drops,

Raspberry Drops.

Lemon Tablets,

Malt Tablets,

Butter Scotch Drops,

Strawberry Drops.

=====

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.

=====

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.

=====

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 note 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.

"That Excellent Antiseptic."—*Medical Chronicle*, Baltimore.

Packer's Tar Soap

"In which the well-known soothing and healing properties of Pine-tar are skilfully combined with Vegetable Oils and Glycerine."—*Medical Times*, New York.

"Is exceedingly smooth and agreeable to the skin, and a valuable remedy in skin diseases."—Prof. D. G. BRINTON, M. D., *Med. and Surg. Rep.*, Phila.

"Stands at the head of all others for bathing invalids."—*New Eng. Med. Monthly*.

"The hands are frequently the carriers of contagion. The use of PACKER'S TAR SOAP will remove septic matter and maintain the softness and tone of the skin."—*Therapeutic Analyst*.

Rhum du Saint Père

THAT 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.

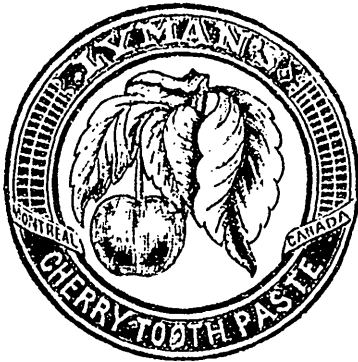
Tomlinson & Co's Butter Color—A pure vegetable preparation. In 6d. and 1/- bottles.

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.

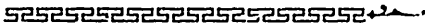
LYMAN'S
Cherry Tooth Paste.

HAC-SIMILE OF



TOP OF POT.

IN HANDSOME ENGLISH, "BURNT-IN" POTS.



This elegant Toilet Article has been before the public for many years, meeting with great favor wherever known, and retaining its hold wherever introduced. The best value in this line as a 25 cent. article.



Price, \$1.75 per dozen.



NOTICE.

IF you have not received a copy of our handsome hanger "CHERRY RIPE," please mention it in next order.


 Lyman's

**ROYAL
 CANADIAN**



Colognes and Lavenders.



**C. & I. E. Cologne
 and Lavender,**

Highest Quality and Double Strength. Exhibited and sold at the Colonial and Indian Exhibitions, London, Eng., 1886.

No. 24 Lologne,

Sold for many years as LYMAN'S No. 1.

English Lavender,

Has that Softness and Purity peculiar to Mitcham Lavender.

**French Cologne
 and Lavender,**

Have the distinguishing characteristics of the favorite French Brands.

**"Rocky Mountain"
 Lavender,**

Very popular at the London Exhibition

Toilet Cologne,

A good, light, Toilet Water.

JOHNSON'S ANODYNE LINIMENT

Established 1810.

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, Tonsillitis, 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.

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.**

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.

TIME AND CASH PRICE LIST

FOR 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. 6.

SEPTEMBER, 1893.

\$1.00 per annum.

The Montreal Pharmaceutical Journal.

171 St. James St., Montreal, Canada.

JOSEPH P. 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 1144, Montreal.

F. I. BENEDIC, Secretary.

IN this issue we publish an account of the meeting of the American Pharmaceutical Association, to be followed by the proceedings of the International Pharmaceutical Congress and an account of the principal chemical and pharmaceutical exhibits at the World's Fair. In connection with this matter, we wish to draw attention to the fact that THE MONTREAL PHARMACEUTICAL JOURNAL was the only Canadian journal represented at the pharmaceutical congresses, one of which—the International Congress—was of the greatest interest to pharmacists the world over.

ONE feature of the International Pharmaceutical Congress, of which every member of the Quebec Association should be proud, is the fact that almost every committee appointed contained one of the Quebec delegates, Mr. E. Muir being named one of the vice-presidents and also member of the committees on the International Pharmacopœia and Education, Mr. Lachance one of the vice-secretaries, while at the reception in the Schiller building, August 2st, Mr Morrison was entrusted by the presiding officer with the task of sustaining the honor of Canada in the oratorical line.

THE presentation of the Hanbury medal to Prof. John M. Maisch was a well-deserved recognition of the labors of this distinguished pharmacist in the

field of Materia Medica. As Professor of Materia Medica and Botany in the Philadelphia College of Pharmacy, as editor of the *American Journal of Pharmacy*, and as Permanent Secretary of the A. P. A., Prof. Maisch has probably done more than any other man to elevate the standard of pharmacy in the United States, and, as Mr. Carteighe said in presenting the medal, "he is a worthy successor to the many distinguished men to whom that award has been made in the past—Fluckiger, Dragen-dorff, Howard, Planchon and Hesse." These names, with that of Maisch, represent all that tends towards the advancement of pharmacy in its various branches, and the conferring of this great honor upon an American pharmacist was made in a most appropriate year and season. A shade of sadness pervaded the presentation proceedings, as the recipient was at the time upon his death-bed, but conscious and happy in the knowledge of the great honor done him.

SINCE writing the above, news has been received of the death of Prof. Maisch on Sunday, September 10.

John M. Maisch was born in Hanau, Germany, January 31, 1831. He came to America in 1849, and after serving in Baltimore and Washington went to Philadelphia. In 1854 he became associated with Prof. Proctor in editing the *American Journal of Pharmacy*. In 1861 he was appointed Professor of Materia Medica and Pharmacy in the New York College of Pharmacy, where he remained for two years, till he was appointed chemist in charge of the U. S. Army Laboratory in Philadelphia, a position which he occupied till it was closed. He then opened a retail pharmacy, and in 1867 was appointed Professor of Botany and Materia Medica in the Philadelphia College, which position he held till his death. He was ap-

pointed editor of the *American Journal of Pharmacy* in 1871, and has acted as Permanent Secretary of the American Pharmaceutical Association since 1867. Besides his work as editor, he has been a prolific writer upon subjects connected with chemistry, botany and materia medica. He was one of the authors of the "National Dispensatory," of which several editions have been published, and his "Organic Materia Medica" is looked upon as the authority on this subject.

In publishing the article on "Canadian Potash," by Dr. Reed, in our last number, we should have stated that it was read at the Chicago meeting of the A. P. A.

AN INTERNATIONAL PHARMACOPŒIA.

The Congress which has just concluded its labors at Chicago was one of the most notable gatherings of pharmacists ever held. Men eminent in pharmacy in all parts of the world have met and discussed questions of international importance as regards legislation, education and the pharmacopœia; and we hope that their deliberations will have some practical results, in which case this would differ from previous Congresses from which, notwithstanding the intelligence and great ability of the men engaged in them, but little of practical benefit to the profession was evolved.

Early in the course of the discussions it was apparent that the project of a universal pharmacopœia was one which met with but slight favor; in fact, we may consider this idea as exploded. It was never more than the Utopian dream of a few in whom practice was subordinated to theory, and who never considered the insurmountable difficulties which would be met with in compiling a pharmacopœia suited to the wants of every civilized nation, the preparations of which would be of the same strength in every climate and which would be accepted as the standard by every government.

The Congress, however, attacked the question of an International Pharmacopœia for potent remedies in the most practical and sensible manner, which augurs well for the success of the work which they have undertaken. If the idea of a universal pharmacopœia is chimerical, that of an international pharmacopœia for potent medicines is an eminently practical one, because in these days of constantly increasing travel due to the vast strides made during the last decade in the improvement of ocean and railroad travel, whatever neces-

sity may have existed ten or twelve years ago for such a pharmacopœia has at the present day become more urgent. Take, for instance, Canada and the United States, between which there is a constant interchange of travel, and in which two different standards are employed for potent medicines, such as aconite, opium, cannabis indicæ, digitalis, etc., of which we give a tabulated list of the tinctures and their strength according to the British and United States Pharmacopœias:

Tincture.	U. S. P.	B. P.
Aconite	1 in 2½	1 in 8
Belladonna	1 in 6¾	1 in 20
Cannabis Indicæ.	1 in 5 (herb)	1 in 20 (ext.)
Digitalis	1 in 6¾	1 in 8
Lobelin	1 in 5	1 in 8

These examples are picked at random from one class of preparations alone, and show the great risks which are daily incurred by travellers who may be compelled to have prescriptions put up in a country other than that in which they received them, and when we take into consideration the even greater diversity which exists between the continental pharmacopœias it becomes a very serious matter. All these facts point to the absolute necessity for uniformity as regards the strength of potent remedies, and will no doubt have an effect upon the various revision committees and bring about the adoption of standard preparations of these drugs. The scheme proposed by Mr. Shepard and adopted, namely, the appointing of a commission by the president, to which will be added members of the different national revision committee, is, we think, the best plan yet produced. But when this standard strength has been adopted the next question will be: Will it be taken up by the medical profession, or will they still cling to the present strength and refuse to accept the new? And before this question will be answered we will have had probably a few more international congresses to discuss the subject; but it is to be hoped that in the interval some practical work will be done towards the completion of an International Pharmacopœia for potent remedies.

Personal.

Mr. R. W. Williams, of Three Rivers, has taken a trip to Chicago to see the "greatest show on earth."

Mr. Garden, of the well-known firm of Messrs. Garden Bros., Woodstock, N.B., was in town a few days of last week.

Correspondence.

To the Editor of the MONTREAL PHARMACEUTICAL JOURNAL.

DEAR SIR,—I think it but proper to call your attention to a matter in which you can be of great assistance to the manufacturing pharmacists of this country who are exhibiting at the World's Fair. You may not be aware that such concerns, including ourselves, were relegated to positions in the gallery of the liberal arts building, where not one visitor in a hundred is likely to go, the reasons being that they are either too exhausted to climb the stairs or ignorant of there being fine exhibits in the gallery. By making a note of this in your columns and writing up something about it, stating that all the manufacturing chemists and pharmacists are located in the gallery, and that their exhibits are well worth a visit from all those interested in medicine or pharmacy, it would do much to help the good cause. As it is now, unless one especially hunts for where the pharmaceutical displays are made, he is likely never to see them.

Very truly yours,
F. K. STEARNS.

UNITED STATES TRADE-MARKS.

The following list of United States trade-marks, pertaining to the drug trade, is expressly reported for THE MONTREAL PHARMACEUTICAL JOURNAL by James Sangster, Solicitor of Patents and Trade-marks, Buffalo, N. Y. :

REGISTERED JULY 18, 1893.

23,266—Liniment. Adam Burger, Toledo, O. Filed May 22, 1893. Essential feature—The representation of a battered or irregularly shaped medal having a marginal fissure, and a swooping dove bearing a twig represented on it. Used since May 1, 1893.

23,367—Medicine for Topical Application. X-Zalia Medicine Company, Portland, Me., and Boston, Mass. Filed June 5, 1893. Essential feature—The representation of a plant known as cat-tail flag. Used since May 15, 1893.

23,368—Toilet Preparations. Richard Hudnut, New York, N. Y. Filed June 3, 1893. Essential feature—The word "Hudnutine." Used since May 15, 1893.

23,391—Insecticide. Robert E. King, Richmond, Va. Filed May 31, 1893. Essential feature—A monogram composed of the letters "NSI." Used since April 1, 1893.

REGISTERED JULY 25, 1893.

23,396—Laundry, Toilet and Fancy Soaps. William H. McMullin, Houston, Tex. Filed June 27, 1893. Essential feature—The representation of a lamb and a lion, and the words "Mildest and most powerful." Used since March 10, 1893.

23,398—Remedy for Indigestion. Henry O. Hyatt, Kinston, N. C. Filed June 27, 1893. Es-

sential feature—The word "Pepsinagogue." Used since May 1, 1893.

23,399—Remedy known as a Microbe-Killer. William Radam, New York, N. Y. Filed June 23, 1893. Essential feature—A rectangular frame or border inclosing figures of cylindrical form, arranged in two irregular lines and representing a certain species of bacteria. Used since May 10, 1893.

23,400—Remedy for Amenorrhœa, Dysmenorrhœa, Corpulency and Nervous Diseases. Wilcox Specific Medicine Company, Philadelphia, Pa. Filed June 21, 1893. Essential feature—The representation of a shield with the initial "W" thereon. Used since June 11, 1893.

23,401—Liniment. Michigan Chemical Company, Detroit, Mich. Filed June 26, 1893. Essential feature—The word "Wanted." Used since January 1, 1893.

23,402 Anæsthetics. Charles E. Hale, Boston, Mass. Filed June 14, 1893. Essential feature—The words "Hale Method." Used since May 1, 1891.

23,417—Face-wash and Curling Fluid. German American Drug Company, Ohio City, Ohio. Filed May 29, 1893. Essential Feature—The words "Dew of Lilies." Used since October 15, 1892.

REGISTERED AUGUST 1, 1893.

23,435—Medicinal Essence of Herbs and Roots and Wine and Alcohol. Nanine Sperry New York, N. Y. Filed June 21, 1893. Essential feature—A portrait of the registrant, Nanine Sperry. Used since May 6, 1886.

23,436—Herb Tea used as a Remedy for Indigestion, Eruptions of the Skin, &c. Schuyler C. Wells, LeRoy, N. Y. Filed June 5, 1893. Essential feature—The words "Karl's Clover Root" and the representation of the face of a girl. Used since August, 1892.

23,437—Liquid Prepared Food for Medicinal Purposes. Coleman & Co. (limited), Norwich, England. Filed June 29, 1893. Essential feature—The word "Wincarnis." Used since February 17, 1890.

23,438—Remedy for Kidney Diseases, General Debility and Liver Troubles. John B. Daniel, Atlanta, Ga. Filed May 6, 1893. Essential feature—The words "Winter's Life Elixir" Used since July 4, 1876.

23,439—Remedies for Disease of the Kidneys, Bladder, and Urinary Organs. The Buker Pill Company, Bangor, Me. Filed May 22, 1893. Essential feature—A fac simile signature of the registrant, "Dr. E. C. Barker," and the representation of the face of a man. Used since 1885.

23,440—Liniment. Charlotte W. Hawes, Boston, Mass. Filed April 19, 1893. Essential feature—The word "Nervita" displayed in the representation of a crown. Used since 1889.

23,441—Certain named medical and disinfecting compounds and apparatus. The Vapo-Cresolene

Company, Stanley, N. J., and New York, N. Y. Filed June 12, 1893. Essential feature—The word "Cresolene." Used since April 1, 1879.

23,442—Medicinal Preparations of an Antiseptic, Deodorant or Germicide Character. Peppino Melfi, Syracuse, N. Y. Filed June 8, 1893. Essential feature—The word "Melfine" and the representation of a man engaged in battle with imaginary creatures which are typical of the germs of disease, represented as being in the air. Used since April 1, 1893.

23,443—Medicated Plasters. Samuel H. Gunder, Fairmount, Ill. Filed June 21, 1893. Essential feature—The word "Camphocine." Used since April 11, 1889.

23,444—Toilet Face-wash. David Vice, Jr., & Co., Lancaster, Pa. Filed July 6, 1893. Essential feature—The words "Electric Beautifier." Used since June 1, 1893.

23,445—Toilet Powders and Dentifrices. Geo. B. Evans, Philadelphia, Pa. Filed June 15, 1893. Essential feature—The word "Violettine." Used since September 1, 1884.

REGISTERED AUGUST 8, 1893.

23,469—Blood-Purifying Medicine. Edward S. Batchelder, Springfield, Mass. Filed July 17, 1893. Essential feature—The word "Livo-Curo." Used since April 8, 1893.

REGISTERED AUGUST 15, 1893.

23,486—Dentifrice. S. C. Wells & Co., Le Roy, N. Y. Filed June 9, 1893. Essential feature—The shaded representation of a scalloped shell, and a short word printed thereon. Used since August, 1892.

23,487—Medicated Oils for External and Internal Use. Cornélius Keizer, Chicago, Ill. Filed July 7, 1893. Essential feature—The representation of escutcheons, and the autograph "Geber's Warning," and the name "Tilly." Used since May 1, 1893.

23,488—Ointment. As-Ker-Shaw Manufacturing Company, Oakland, Cal., and Buffalo, N. Y. Filed June 26, 1893. Essential feature—The words "As-Ker-Shaw, Indian Chief," and the representation of an Indian chief. Used since February 10, 1891.

23,489—Stomach Bitters. The firm of Th. Lappe, Neudietendorff, Germany. Filed March 23, 1893. Essential feature—The representation of an anchor, the shank of which is prolonged beyond the stock and of the configuration of a patriarchal cross, the upper crossbar of which is connected with the end of the stock to simulate a figure 4. Used since October 22, 1890.

23,490—Laxative or Cathartic Syrup. Fig. Honey Company, Chicago, Ill. Filed July 14, 1893. Essential feature—The words "Honey of Figs." Used since June 3, 1893.

23,491—Remedy for Disease of the Head, Throat, Chest and Lungs. H. E. Bucklen & Co., Chicago, Ill. Filed August 16, 1892. Essential

feature—The words "New Discovery." Used since September 1, 1869.

23,492—Remedy for Coughs and Colds and all inflamed conditions of the lungs and air passages. John B. Hurtt, Baltimore, Md. Filed June 28, 1893. Essential feature—The words "Indian Tar Balsam," in three lines, the upper and lower of which are in arcs of circles, the word "Tar" having the middle letter much larger than the "T" and the "R," and all the lettering being fanciful. Used since October, 1891.

23,493—Remedy for Diabetes. Johann Emil Stroschein, Berlin, Germany. Filed June 1, 1893. Essential feature—The representation of a crescent shaped figure and two lance flags crossed above the figure in connection with the word "Uricedin." Used since October 10, 1892.

23,494—Liver Purifier. A. C. Simons, Jr., Medicine Company, Sherman, Tex. Filed July 19, 1893. Essential feature—A monogram composed of the letters "A. C. S., Jr." Used since August 12, 1889.

23,495—Medicines for the Cure of Blood, Liver and Kidney Diseases. Alexander V. Young, Troy, N. Y. Filed May 26, 1893. Essential feature—The word "Kemp's." Used since September 7, 1892.

23,496—Remedies for Diseases of the Bowels. Frederick Fenn, Rutland, Vt. Filed July 18, 1893. Essential feature—The words "Tried and True." Used since 1853.

23,497—Medicinal Lotion for Human and Animal Use. Maria J. Elton, Dublin, Ireland. Filed June 26, 1893. Essential feature—The words "Elton's Crystal Balm." Used since November 16, 1888.

REGISTERED AUGUST 22, 1893.

23,530—Preparations of iron derived from animal matter, known as Physiological Iron Preparations. The firm of E. Merck, Darmstadt, Germany. Filed March 2, 1893. Essential feature—The word "Hæmol." Used since April 1, 1892.

23,531—Preparations of iron derived from animal matter, known as Physiological Iron Preparations. The firm of E. Merck, Darmstadt, Germany. Filed March 2, 1893. Essential feature—The word "Hæmogallol." Used since April 1, 1892.

23,532—Tonics and Blood Purifiers. Bagley Dandelion Compound Co. St. Johnsbury, Vt. Filed May 15, 1893. Essential feature—The words "Bagley's Dandelion Compound," each word being arranged in a double curve on a red panel. Used since March 6, 1893.

23,533—Therapeutic Remedies. Chemische Fabrick Auf Actien, Vormals E. Schering, Berlin, Germany. Filed May 8, 1893. Essential feature—The word "Salocoll." Used since April 1, 1893.

23,534—Medicinal Agents for Nervous Diseases and a Febrifuge. The firm of E. Merck, Darmstadt, Germany. Filed April 6, 1893. Essential

feature—The word "Neurodin." Used since October 1, 1892.

23,535—Remedies for Headache, Neuralgia and Rheumatism. Cura Chemical Co., Springfield, Mo. Filed May 16, 1893. Essential feature—The words "Head" and "Cure" with the representation of a human eye between them. Used since May 1, 1893.

23,536—Remedies for Whooping Cough and Asthmatic Diseases. The firm of E. Merck, Darmstadt, Germany. Filed April 6, 1893. Essential feature—The word "Antispasmin." Used since October 1, 1892.

25,537—Remedy for Cancerous Diseases. The firm of E. Merck, Darmstadt, Germany. Filed December 17, 1892. Essential feature—The word "Cancroin." Used since October 1, 1892.

23,538—Remedies for Gonorrhoea and Gleet. Plantation Pharmacal Co., Memphis, Tenn. Filed July 26, 1893. Essential feature—The letters "V. I. G." Used since June 1, 1885.

Pharmaceutical Association of the Province of Quebec.

NOTICE TO STUDENTS.

The semi-annual examination for major and minor candidates will commence on Tuesday, October 17th, 1893, at 9 a. m., and will be held in Laval University, Quebec. Candidates must file their applications duly certified with the registrar on or before the 7th of October. Printed regulations and forms of application must be obtained from the registrar, and be duly signed by the applicant.

Candidates who have failed more than once in their examinations will be required to pay the full examination fee.

The council having instructed the registrar to enforce the rule requiring from candidates for examination ten days' notice prior to the date fixed for these examinations, no application will be accepted after the 7th day of October.

E. MUIR,

Secretary-Registrar.

595 Lagachetierre street, Montreal.

Pamphlets Received.

Proceedings of the Missouri Pharmaceutical Association, 1893. Dr. H. M. Whelpley, St. Louis, Secretary.

Twenty-sixth Annual Announcement Montreal College of Pharmacy. E. Muir, Secretary.

Proceedings of the Pharmaceutical Association of the Province of Quebec.

Proceedings of the British Columbia Pharmaceutical Association.

WANTED TO PURCHASE.—The following numbers of THE MONTREAL PHARMACEUTICAL JOURNAL at ten cents each: No. 1, Volume I; and No. 11, Volume III. Send to M. P. J., Office.

NEURALGIA.

BY A WEST-END PHARMACIST.

Now that the neuralgia season is again at hand, it may be worth while to review some questions relating to the nature and causes of that most troublesome complaint, and at the same time to take into consideration the best means of relieving it.

THE SYMPTOM OF NEURALGIA.

Unlike the majority of diseases, neuralgia has only one symptom, but for most people that one is quite enough. Milton must surely have had it in his mind, if not in his nerves, when he wrote:

But pain is perfect misery, the worst
Of evils, and, excessive, overturns
All patience.

Needless to say, every pain is not a neuralgia, and, indeed, the pain of neuralgia is altogether peculiar—a pain *sui generis*. It is quite unlike the dull throbbing pain of inflammation or the depressing sickening pain of severe colic, or, in short, any other of the many pains to which poor human flesh is heir. It is described by those who ought to know as sharp and piercing, and sometimes so astonishingly severe as to force an involuntary cry from the sufferer. Often it seems to shoot or flash from one point to another, and people who have studied their anatomy can easily distinguish that it follows the course of some nerve or nerves. The pain comes and goes; rising rapidly to its severest intensity, and again as rapidly subsiding. The attacks may last from a few minutes to many hours, and after they pass off the patient is left with an inexpressible sense of utter weariness. The skin over the part is generally exquisitely tender for some time, and if it is the scalp that has been affected patches of the hair may turn white or even fall off. Such, then, shortly, are the chief characters of the disease, and we may now turn to the causes of neuralgia.

Neuralgia, it is said, is the first indication of an enfeebled nervous system, and that in turn, may be due to very varied conditions, such as overwork, worry, dyspepsia, and so forth. These all bring about pretty much the same result. The body as a whole becomes depressed and badly nourished, and the nervous system is the first to suffer. It is upon it in most of us that the greatest strain of daily life must fall, and, in consequence, it is the first to show signs of breakdown. Now, we are taught by clinical experience and by scientific experiment alike, that the primary change produced by weakening nerve structures is an undue sensitiveness or irritability, and in this we have a clue to the cause of neuralgic pains. So long as the nerves are up to standard strength, so long they may bid defiance to all ordinary irritation. But when they fall below that standard there is a different story to tell, and a mere trifle, even the slightest draught, sets them tingling with pain. Thus it is that the advent of winter, with its cold, its damp, its fogs, its gas-lit rooms, and its increased business pressure, is also the advent of the neuralgia season.

So much for the common causes of ordinary neuralgia, but there remain a certain number of cases that depend on an entirely different class of conditions—upon what is called “local irritation,” such as decayed teeth, overstrained eyes, and the like.

THE NATURE OF NEURALGIA.

The exact nature of neuralgia has yet to be found out, but there can be no doubt that it is some alteration in the nerve-tracts. One circumstance there is that is very suggestive. The neuralgic subject is typically a thin subject. There are, of course, exceptions to every rule, and there are to this. Neuralgia does not occur in fairly stout people but very rarely, and when it does we believe it can generally be traced to some form of “local irritation.” The striking fact remains that nearly all who suffer from the disease are very insufficiently supplied with fat, and fat is one of the most important elements in the structure of nerves. A nerve-fibre consists of two essential parts—the axis-cylinder and its sheath. The axis-cylinder is a long wire-like structure continuous throughout the whole length of the nerve—say, from the toes right up to the brain. It is the active, sensitive, feeling part, and it is along it that the nerve messages are flashed. The sheath, or “white substance of Schwann,” is a thick fatty envelope wrapped round the axis-cylinder in sections and comparable in its nature to the protective insulating covering of a telegraph wire. Now, when the fats of the body generally are deficient it follows almost of necessity that this fatty envelope of the nerves will be deficient also. In other words, the sensitive axis-cylinders will be deprived of their normal protective covering and left exposed to the sweet mercies of colds and draughts. It is very significant in connection with this that neuralgias do increase with the onset of the cold weather, and that they affect chiefly the face and head—the parts uncovered by protecting clothes. Perhaps even more significant still is the fact that, on the whole, the most reliable and efficient remedy for neuralgia is cod-liver oil.

THE TREATMENT OF NEURALGIA.

In treating neuralgia the pain has to be relieved and the disease has to be cured. These are by no means the same, and it is very important to bear this fact clearly in mind. The pain must be relieved as speedily as possible, and this is accomplished by the use of various nerve sedatives. Such sedatives are, however, only temporary expedients. They have no effect in preventing a return of the disease, and, indeed, if injudiciously used, they may have exactly the opposite effect. Before, then, passing on to them it would be well to consider the really more important question of the cure of the disease.

Put shortly, this is the correction of the causes of the neuralgia. The body generally, and the nervous system in particular, must be brought up to the proper standard of vitality. For this pur-

pose, tonics, such as iron, arsenic and strychnine, will be found valuable. The diet should be light, but nourishing, and always taken at regular hours. Plenty of sleep, fresh air, and out-of-door exercise should be insisted upon. Lastly, cod-liver oil or some preparation of it ought to be given, and its use continued for a considerable period.

Of course, any morbid condition, such as dyspepsia or constipation, should be energetically treated, and when there is any source of local irritation it must be removed at once, if possible.

THE RELIEF OF THE PAIN.

Many drugs have been vaunted from time to time as positive cures for the pains of neuralgia. As a matter of fact, however, there is no one remedy that is absolutely certain in its results. What has been found excellent in one case will often be quite useless in another and apparently precisely similar one. The obvious deduction, then, is not to be discouraged when, after a fair trial, one remedy has failed, but simply to proceed to give another. Amongst the external applications, belladonna, aconite, and menthol are the most reliable, and as examples of internal remedies that will be likely to succeed we append a few formulæ which we have found from practical experience to be useful :

(1.)

Ammonii chloridi.....	ʒiij.
Tinct. gelsemii.....	ʒij.
Ext. glycyrrhiz. liq.....	ʒss.
Aq. chloroformi ad.....	ʒvj.

Misce et filtra.

Sig. : One tablespoonful every 4 hours till the pain is relieved.

(2.)

Butyl-chloral hyd.....	ʒj.
Ext. cocæ liq. (miscible).....	ʒvj.
Glycerini.....	ʒij.
Tinct. aurantii.....	ʒij.
Aq. ad.....	ʒvj.

M.

Sig. : One tablespoonful every four hours.

(3.)

Antipyrini.....	ʒij.
Tinct. cascaril.....	ʒss.
Tinct. card. co.....	ʒss.
Glycerini.....	ʒss.
Aq. ad.....	ʒvj.

M.

Sig. : One tablespoonful every four hours.

(4.)

Exalgin.	gr. xxiv
Sacch, lact.	gr. xxiv
Ess. menth. pip.	℥iij

Misce bene et divide in partes duodecim.

Sig. : One powder every four hours.

(5.)

Phenacetin.....	ʒj.
Quin. sulph.....	ʒss.

Misce et divide in pulveres sex.

Six. : One every four hours.

—*Chemist and Druggist.*

OLEUM TEREBINTHINÆ.

CHAS. T. P. FENNELL, PH. G., PHAR. D.

Read at the Forty-first Annual Convention of the A. P. A., held in Chicago, August 15.

Oil of turpentine being classed with the volatile oils, induced the writer to examine commercial products. According to the pharmacopœia, we expect a volatile oil distilled from turpentine, being a thin, colorless liquid, of a characteristic odor and taste, becoming stronger and less pleasant by age and exposure to air, and of a neutral or faintly acid reaction.

Specific gravity, 0.855 to 0.870. It is soluble in 6 parts of alcohol. Bromine and powdered iodine act violently upon it. When brought in contact with a mixture of nitric and sulphuric acids, it takes fire. The British Pharmacopœia cites neither specific gravity, solubility in alcohol, nor the effect of bromine, iodine and acids. In its place we find that turpentine commences to boil at about 320° F. (160° C.), and distilling almost entirely below 356° F. (180° C.), little or no residue remaining.

The French Codex is entirely wanting in specification. The German Pharmacopœia gives the boiling point ranging from 150° C. to 160° C. Specific gravity, 0.855 to 0.865.

The general remarks quoted on the pharmacopœial requirements of oil of cloves apply to oil of turpentine. Specific gravity may indicate the presence of considerable portions of adulterants, but the adjustment of these is so carefully made that the factor of specific gravity plays rather a non-important part.

The determination of the flash point, made to conform to quasi legal and commercial requirements, is no factor for purity.

Qualitative tests for usual adulterants are not of much value, owing to the varying character of the adulterants.

A simple test for purity consists in floating a watch crystal containing 5 c.c. of turpentine upon boiling hot water for fifteen minutes; a ponderable residue will indicate impurity. The residue may be resin, petroleum or paraffin oils. As a general practical test, the writer found it very convenient, but for absolute certainty of purity, the test lacks definition. The only constant factor for purity is the boiling point, which is usually ignored. Pure oil of turpentine boils between 156° C. and 162° C., and distils completely below 180° C. The writer examined some twenty samples of the commercial article and was able to differentiate the products of three classes.

Specific gravity varied between 0.82 and 0.865 at 15° C.

Solubility in alcohol varied between 1.5 to 6; bromine and iodine and acids gave characteristic reactions.

Boiling point showed great differences, ranging from 46° C. to 50° C.; 108° C. to 135° C.; 130° C. to 139° C.

The samples were submitted to fractional distillations, the results forming the following classification:

CLASS NO. I.

Specific gravity, 0.82 to 0.85.

Boiling point, 46° C. to 50° C.

Vapors formed in neck of retort between 38° C. to 42° C.

1st fraction at 55° C. = 8.5 per cent. to 12.5 per cent. Sp. gr., 0.75.

2d fraction at 60° C. = 15 per cent. to 25 per cent. Sp. gr., 0.80.

3d fraction at 62° C. = 25 per cent. to 25 per cent. Sp. gr., 0.83.

4th fraction at 68° C. = 15 per cent. to 12.5 per cent. Sp. gr., 0.848.

5th fraction at 75° C. = 18 per cent. to 21.5 per cent. Sp. gr., 0.854.

Residue 18.5 per cent. to 3.5 per cent.

General characters: The rise in temperature was very gradual, and no deflections. The distillates perfectly clear and of turpentine odor.

The low boiling points and specific gravity indicate petroleum benzene, and the mixture is probably obtained by distilling turpentine and petroleum benzene, and increasing the specific gravity by the addition of resin oil.

CLASS NO. II.

Specific gravity, 0.85 to 0.86.

Boiling point, 108° C. to 135° C.

Vapors formed in neck of retort, between 102° C. - 125° C.

1st fraction at 136° C. - 142° C. = 30 per cent. to 36 per cent. Sp. gr., 0.83.

2d fraction at 142° C. - 152° C. = 50 per cent. to 56 per cent. Sp. gr., 0.864.

Residue = 20 per cent. to 8 per cent. Sp. gr., 0.9.

Containing at 200° C. 3 per cent. to 1.2 per cent. solids.

Residue, tenacious, light in color. Resin.

General characters: Very gradual rise in temperature; distillates clear and of turpentine odor.

The boiling point and specific gravity would indicate a mixture of kerosene fraction and turpentine.

CLASS NO. III.

Specific gravity, 0.81 to 0.825.

Boiling point, 130° C. - 139° C.

Vapors formed in neck of retort, between 65° C. - 95° C., which readily fell back into the retort.

Bubbles commencing to issue through the liquid at 102° C.

1st fraction at 190° C. - 165° C. = 12 per cent. Specific gravity, 0.79.

2d fraction at 165° C. = 168° C. = 14 per cent. Specific gravity, 0.80.

3d fraction at 172° C. = 6.4 per cent. Specific gravity, 0.805.

4th fraction at 175° C. - 193° C. = 36 per cent. Specific gravity, 0.81.

5th fraction at 208° C = 10.8 per cent. Specific gravity, 0.805.

6th fraction at 228° C. = 12 per cent. Specific gravity, 0.8106.

Residue, 235° C. = 8.8 per cent.

General characteristics: The rise in temperature in the first fraction was very gradual, odor of turpentine prominent up to 158° C., distillate indicating 6 per cent. to 8 per cent.

The temperature of 165° C. was reached, the same remained constant and then gradually decreased to 158° C.; then gradually increased again to 166° C., remaining constant, to be followed again with an increase in temperature to 168° C.

This gradual increase in temperature, to be followed by a gradual depression in temperature equal to the maximum temperature of the preceding fraction, took place in every fraction. Thus the following temperatures were noted in the succeeding fractions: 172° C. to 170° C. to 172° C. to 166° C.; 175° C. very gradual rise to 193° C., then deflecting to 190° C. - 192° C. - 186° C. - 188° C. to 166° C., gradual rise to 202° C. to 196° C. to 204° C. to 208° C. to 206° C. - 208° C., remaining constant, then increasing 216° C. to 223° C. to 216° C. 223° C. to 218° C. to 228° C., gradually rising again to 235° C., remaining constant.

The residue remaining being exceedingly disagreeable in odor, like that of pyridine, very limpid but dark colored.

The compound is in all probability a mixture obtained by distillation of bituminous shale, to which a small percentage of turpentine is added.

Some of the fractions were again distilled into fractions of constant boiling point and submitted to special tests, but the writer failed to get results more positive than those obtained by first fractions.

Owing to the complex nature of commercial hydrocarbon oils, this is not surprising, for the determination of exact constituents is exceedingly difficult, and approximation to the truth is all that can be desired. This is best accomplished by fractional distillation and examining the fractions; determining color, odor, specific gravity. Special tests are not of much service, for certain fractions with constant boiling point may contain isomeric hydrocarbons of the same series, as well as members of isologous series, which would necessarily vitiate the results. Thus the amount of bromine or iodine assimilated can not be taken as the equivalent of a special member of any hydrocarbon series, since the contribution must come from several sources. In like manner the treatment with acids and alkali can not be considered a factor for differentiation, for their effect may or may not have been dissipated in the treatment of the raw material. The treatment of the raw material with acids, and subsequent neutralization, gives rise to products of oxidation of different characteristics, and of variable proportion, depending upon temperature and quantity of mass.

Data of distillation of raw material of known

source must furnish the characteristics of the constituents contained therein, and these alone can be considered indicative of source and be subject to comparison.

Cheap Tooth Brushes Dangerous.

An operation for appendicitis upon a patient living in New York revealed the fact that the disorder was due to the presence of tooth brush bristles. "Cheap tooth brushes," remarked the Albany surgeon who had charge of the case, "are responsible for many obscure throat, stomach, and intestinal ailments. The bristles are only glued on, and come off by the half dozen when brought in contact with the teeth."

Strychnine as an Animal-Pest Destroyer.

Thousands of ounces of strychnine are annually used on the Pacific coast and in the far western States by agriculturists for killing squirrels, etc. There are indications that this promiscuous use of such enormous quantities of poison will soon begin to affect the vegetation, and bring about the extinction of animals not intended to be exterminated.

HANCE BROTHERS & WHITE say: "The big dry-goods stores in the cities are putting in soda fountains, not so much for profit, they say, as to please their customers. Soda is just as good an attraction to a drug store as to a dry-goods store. It is worth more now than ever before if managed well, because it is better than ever before; at least it can be. Not one in a dozen druggists knows what we mean when we speak of fine soda. Not one in a dozen druggists knows what we mean when we speak of success with it. Most of the druggists waste their best opportunity. Soda is everywhere, but not fine soda. Millions of people have never tasted it fine, but they will at the first opportunity. That is your opportunity. To be a druggist is more than to serve soda agreeably; but you need not fear competition from those that fail in soda water. There is no reason to stop liking fine soda."

An interesting case of scientific presence of mind was reported from Sag Harbor, N.Y., recently. Flora Sterling, five years old, a daughter of Dr. Sterling, drank from a bottle labelled citrate of magnesia, and immediately began to scream with pain. Her father came, and soon discovered that she had really drunk a solution of oxalic acid. Not a moment was to be lost, and looking about for an antidote, he found one in the whitewash of the wall. Scraping some of the lime into his hand he threw it into a glass of water and poured the mixture down the child's throat. The antidote at once took effect, the pain was alleviated and mucilaginous drinks were afterwards administered to cool the throat.

ANNUAL MEETING OF THE AMERICAN PHARMACEUTICAL ASSOCIATION.

(From our Special Representative at Chicago during the Convention.)

The forty-first annual meeting of the A. P. A. opened at 3 P. M. on August 14th in the Memorial Art Institute, Chicago, about 300 members and delegates from State associations being in attendance. The first general session was held in the Hall of Washington, the stage being occupied by the officers of the society, Dr. Peabody, Chief of the Liberal Arts Department of the Exposition, and others.

Shortly after the hour announced for the opening, Professor Remington, president, called the meeting to order and announced that, owing to the absence of Professor Maisch, the permanent secretary, it would be necessary to appoint a secretary and that he had selected Dr. Whelpley, of St. Louis, to fill the position. The president then introduced Dr. Peabody who had been chosen to welcome the association to Chicago.

Dr. Peabody, in an eloquent address, welcomed the society to the present Hub of the Universe, sketching the value of the World's Fair from an educational standpoint and enumerating the many arts and sciences which already had been represented in these halls and the value of the deliberations which had taken place there towards the general improvement of mankind.

President Remington then called upon A. P. Preston, of Portsmouth, N. H., first vice-president of the association, to reply on behalf of the association.

Mr. Preston, in the name of the association, heartily thanked Dr. Peabody for the welcome extended to them. He said the association held its meeting this year in Chicago for three reasons. Firstly, to bring together the largest gathering of pharmacists the world had ever seen; secondly, to enable its members to see the World's Fair; thirdly, to allow them to see something of that western enterprise of which they had heard so much. Mr. Preston said that after seeing the west he felt prouder than ever of the great country of which it formed a part, and he was sure, judging from the hospitable manner in which they had been received, that the members would carry away with them most pleasant recollections of their visit to Chicago, which he was sure, would be one of the most profitable and enjoyable in the history of the society.

Vice-President Watson now took the chair, and President Remington proceeded to read his annual address, the reading of which was frequently interrupted with applause, especially when referring to the committee on revision of the pharmacopœia. The president prefaced his address by referring to the fact that this was the second time the association had met in Chicago, their first visit having been made in 1869. The World's Fair and World's Congress of Pharmacists had combined to

bring together a large assemblage of pharmacists, and the benefits to be derived from the deliberations of the one and the examination of the other could not be too highly valued. It was also gratifying to see present, for the first time, delegates from the American Medical Society—a proof that the professions of pharmacy and medicine were gradually coming together upon common ground where both could labor for their mutual benefit. It was to be hoped that one result of this might be the establishment of a joint commission for the advancement of needed legislation towards the restriction of the practice of medicine and pharmacy to those who are qualified for the exercise of such responsible duties. If such a joint commission were established it would undoubtedly take a prominent part in the organization of the joint committee appointed for the revision of the pharmacopœia. It must be a source of great gratification to all that, for the last thirty years, a majority of this committee has been pharmacists. As one of the events of the year, the publication of the pharmacopœia has just been announced, and he was sure he only voiced the sentiments of the association in tendering hearty congratulations to the committee on revision upon the completion of their arduous task. He had just received from Dr. Rice, chairman of the committee, the first copy of the pharmacopœia which had seen daylight. In glancing through its pages the first noticeable change will be the substitution of "parts by weight," by "solids by weight," and "liquids by measure," the metric system having been adopted as the most rational and simple manner in which to express the commensurability of the units so affected. Upon the title page of the new pharmacopœia appears for the first time, "Official after January 1, 1894," and the issue of the book at this time will permit it to be in the hands of every pharmacist before the date at which it becomes official. As regards standardization, the only drugs, the preparations of which are standardized are opium, cinchona, and nuxvomica. The revision tests and definitions of chemicals have been thorough and laborious—Volumetric replace the gravimetric methods wherever possible, thus simplifying the testing of the pharmacopœial chemicals.

The president then referred to the number of new synthetical remedies now flooding the market, and drew attention to the fact that none of the trade-marked preparations had been admitted by the revision committee.

On the conclusion of the address, Mr. Kirchgasser moved that it be referred to a committee of three for consideration.

The secretary of the council, G. M. Kennedy, read the council's report, and stated that, in accordance with a resolution passed at the last meeting, the names of applicants for membership would be posted in a conspicuous place in the hall, so that they might be examined and objections, if any, offered before acceptance.

It was moved by Mr. Zwick that the chair appoint a committee of three to draft a resolution of sympathy with Prof. John M. Maisch in his present serious illness and to express the deep regret felt in losing his valuable services. Dr. Hoffmann and Messrs. Zwick and Ebert were appointed on this committee.

The president then introduced Mr. Michael Carteighe, president of the British Pharmaceutical Society. Mr. Carteighe said he was disappointed to hear that Prof. Maisch was unable to be present, as he had a little surprise in store for him, namely, that he had in his pocket the Hanbury medal which had been awarded to him by the committee appointed for that purpose, under the terms of the trust deed, this committee being composed of the president of the Linnean Society, the president of the Chemical Society, the president of the British Pharmaceutical Society, the president of the British Pharmaceutical Conference, and one pharmaceutical chemist appointed by the two latter; and although he felt that perhaps it was wrong for him to announce this fact now, he thought under the circumstances it would be the proper thing for him to do. The Hanbury medal was a great honor, and Prof. Maisch was a fitting successor to such men as Fluckiger, Dragendorff, John Ellwood Howard, Planchon, and Hesse. In making this award of the trustees, he was charged by the members of the Pharmaceutical Society of Great Britain to convey their congratulations to this distinguished American pharmacist, Prof. Maisch.

Mr. Carteighe reviewed the condition of pharmacy in Great Britain and the United States, making a plea for higher scientific education and an enforced curriculum, and forcing upon the public the fact that pharmacy was a profession and not merely a mercantile occupation. In conclusion, he said: "What is wanted in pharmacy, as the president had said, is not that every pharmacist should be a highly trained and highly skilled synthetic and analytical chemist, for that is not necessary or even essential, but it is necessary and essential that every pharmacist should know something of the methods by which the weapons he uses in the cure of disease and under the advice of the physician are constructed and to be able to ascertain, by proper chemical processes, that they are what they profess to be. If every man so educated insists in his own neighborhood that proper remuneration for his services be given, I believe that in the old country and here that before long the public will respect every one of us and will pay us for our services professionally."

Mr. Lord, delegate from the National Wholesale Drug Association, then addressed the association, stating that the organization which he represented was in hearty sympathy with the aims of the A. P. A., and wished the association every success in its commercial section.

The secretary then read the following reports by title:

Committee of Arrangements, Committee on Delegation to the American Medical Association, and the Treasurer's Report.

Prof. Fennel moved that the thanks of the association be extended to Dr. Rice and the committee of revision of the pharmacopœia for the presentation of the U. S. P. to American pharmacy, and pledging the members to endorse the sentiments expressed by President Remington and make the U. S. P. the standard from Maine to California. Carried.

A recess of five minutes was then taken in order that delegates from the different States might select their representatives for the nominating committee. On assembling the following were appointed from the States named:

Alabama—P. C. Candidus, J. J. McAfee. Arkansas—W. L. Dewoody, D. E. Shandel. Colorado—Messrs. Turrell and Ford. District of Columbia—Messrs. Thompson and Hilton. Florida—Messrs. Watson and Harris. Georgia—Paul Fenrison, W. R. Cornell. Indiana—L. Eliel, G. W. Sloan. Illinois—C. S. N. Hallberg, H. W. Martin. Iowa—Mrs. Rosa Upton, G. H. Schafer. Kansas—Mrs. M. O. Miner and Prof. Sayre. Kentucky—G. A. Zwick, W. H. Averill. Louisiana—A. L. Metz, C. L. Keppler. Maryland—A. L. Dohme, W. Simon. Massachusetts—C. H. Price, F. H. Butler. Michigan—J. C. Vernor, G. Gundrum. Mississippi—J. C. Means. Missouri—J. M. Good, H. M. Pettit. New Hampshire—A. C. Preston. New York—L. F. Stevens, J. Pfeiffer. North Carolina—Messrs. Simpson and Charis. Ohio—Messrs. Hopp and Hechler. Oregon—G. C. Blakeley. Pennsylvania—W. S. Heinitsh, Wm. McIntyre. Tennessee—A. A. Yeager, J. O. Burger. Virginia—W. E. Church. Wisconsin—E. Kremers. Quebec—E. Muir, S. Lachance.

The president appointed Messrs Sheppard, Ford, Whelpley, Eliel and Patterson a committee on time and place of next meeting.

Prof. Good then read the report of the delegates to the meeting of the American Medical Society, which was received and referred to committee on publication.

The convention then adjourned till 9 a. m. Aug. 15th.

In the evening the members were tendered a reception by the Chicago druggists in the Casino, on the fair grounds, where a most enjoyable time was spent. Music and refreshments were furnished, and from the roof a delightful view was obtained of the illumination of the grounds, the MacMonnie's fountain, and the magnificent buildings which, in the glare of the myriads of electric lights, seemed like a beautiful dream of fairyland and formed a sight never to be forgotten.

SECOND GENERAL SESSION.

President Remington called the meeting to order at 10 a. m. Tuesday. The first business was

AN APOLOGY.

In the *New York Medical Journal*, January 28th, 1893, appeared an article by William A. Hammond, entitled: "On Certain Organic Extracts, their Preparation, and Physiological and Therapeutical Effects."

While the record of this author is not one calculated to inspire respect for any opinions that might be advanced by him, yet we were led to accept fully his statements and deductions because of *quasi*-indorsement by the editor of the above named *Journal*.

Being actuated by a desire to keep abreast of the times, and without any thought or intent of injustice to anyone, we began experimentation regarding the production of so-called "Cerebrine," and other animal extracts, referred to in the foregoing paper. As a result, we were speedily convinced that their manufacture could be completed, without any detriment to the substances themselves, in a much less period of time than that claimed by Dr. Hammond; and, consequently, later we announced our ability to supply "Cerebrin."

Soon after, we were surprised to receive a letter from Dr. Hammond claiming sole proprietorship of the word "Cerebrine" which, too, had been duly trademarked, and announcing that "The Columbia Chemical Co. are alone authorized by me to handle the extracts made by my processes, and that all are made in my own laboratory, under my own supervision."

Other papers laudatory of "Animal Extracts," and presenting the same general claims, appeared in many other medical journals besides numerous lay publications—thereby demonstrating the fact that the first named article was written and published (as evidenced by Dr. Hammond's own statements) for the sole benefit of the Columbia Chemical Co., of which he (Dr. Hammond) is President and a large share holder.

Subsequently Dr. Hammond widely disseminated through the mails and by publication in the *New England Medical Monthly* (Dr. Wile) a circular over his own signature, not only attacking us unjustly, but in a manner most scurrilous and unbecoming to an officer, a professional man or a gentleman. He also threatened us, through his attorneys in New York, with dire penalties if we did not cease the sale of the articles.

The development of the fact that the paper in the *New York Medical Journal* was written and published for *mercenary* purposes led us to doubt the statements of the author of the article, and incidentally we were induced to have the value of "Cerebrine" as manufactured by Hammond, and "Cerebrin" as made by ourselves, therapeutically and physiologically tested. As a result, we are now convinced that both "Cerebrine" (Hammond) and "Cerebrin" (P. D. & Co.) will not respond to Dr. Hammond's claims.

We, therefore, announce, that while we are prepared and willing to supply "Cerebrin," as manufactured by us after our formula, in response to all demands, that we have grave doubts as to the merits of the article, and, therefore, present our apology to the medical profession for the error into which we were unwittingly led by the *New York Medical Journal*.

We invite correspondence upon this subject, and are prepared to supply interesting information in printed form to all who will apply for the same.

PARKE, DAVIS & CO.

DETROIT, July 12, 1893.

THE NEW MEDICAL SYSTEM: ELECTRO HOMŒOPATHY.

PAMPHLET

FREE

COUNT

Send for
Specimen Copy of
"MODERN MEDICINE"
1d. Monthly.

MATTEI'S REMEDIES

Have obtained world-wide celebrity on account of the many and marvellous cures which they have effected, including cases of Asthma, Cancer, Cholera, Eczema, Glandular Swellings, Hay Fever, Indigestion, Insomnia, Piles, Rheumatism, Rupture, Tumours, Varicose Veins, Worms etc., and many other diseases.

Among those who have used them and have derived benefit from them are the Emperor and Empress of Austria and their son Prince Ludwig, the Duchess of Argyll, H.E. Lady Paget, Mrs. Talbot Coke (of "Hearth and Home"), W. T. Stead, Esq. (of "The Review of Reviews").

For medical Testimonies respecting their value see the following works: "The Electro-Homœopathic Remedies," by R. M. Theobald, M.A., M.R.C.S.; "The Cancer Controversy," by Samuel Kennedy, Esq, L.R.C.S., L.R.C.P., formerly M.R.C.S.E.; "The Mattei Remedies," by A. Stoddard Kennedy, Esq., and "The Principles of Electro-Homœopathy," revised by C. Stirling Saunder, L.R.C.P. Also the Pamphlets and Articles by Prof. Pascucci, M.D., Dr. Ackworth, Dr. Clement Conti, Dr. Coli, Dr. Pusreck of Chicago, Dr. Montaniri, etc.

SOLD LARGELY IN THE UNITED STATES, INDIA, AUSTRALIA, NEW ZEALAND, ETC.

Agents wanted in all parts of Canada. Apply to

A. J. L. GLIDDON, Manager of the Central Depot for the United Kingdom and the Colonies,

Count Mattei's
New Book
"THE NEW SCIENCE,"
1s.

18 PALL MALL EAST,
LONDON, S.W., - - ENGLAND.

Samples of Remedies,—
GLOBULES, 1s.
ELECTRICITIES, 2s.
OINTMENTS, 2s.

the reading of the minutes of the previous session, after which Mr. Kennedy read the Report on Membership, which stated that 113 new applications for membership had been received and were recommended by the council for favorable consideration. It was then moved that the report be approved and the applicants invited to become members.

Prof. Good then presented the report of the Nominating Committee, which was as follows :

For president, E. L. Patch, Boston ; first vice-president, L. Eliel, South Bend, Ind. ; second vice-president, Dr. Wiley Rogers, Louisville, Ky. ; third vice-president, Chas. Caspari, Baltimore, Md. ; treasurer, Sam. A. D. Sheppard, Boston ; permanent secretary, John M. Maisch ; reporter on progress of pharmacy, H. Kræmer, New York ; council, C. L. Diehl, Louisville, Ky. ; C. M. Ford, Denver ; and Wm. Alpers, Bayonne, N. J.

The secretary was then instructed to cast affirmative ballots for the above, who were then declared duly elected.

Mr. Sheppard, on behalf of the committee on time and place of next meeting, reported that three places had been presented for consideration : Asheville, N. C., Hot Springs, Ark., and Denver, Col., and that the committee has decided in favor of Hot Springs and fixed the time for the first Meeting in June, 1894.

Mr. Watson moved in amendment that Asheville be substituted for Hot Springs.

J. E. Morrison moved in amendment, seconded by S. Lachance, that the convention meet in Montreal.

After a lengthy debate, in which the claims of the rival cities were set forth by their representatives, a vote was taken by which it was decided to hold the next convention at Asheville, N. C.

W. C. Smith, of Asheville, was appointed the local secretary.

Prof. C. L. Diehl then presented the report of the committee on the National Formulary.

Dr. Hoffman presented the report of the committee appointed to draft resolutions of sympathy to be sent to Prof. Maisch, which were unanimously adopted.

H. Kræmer, reporter on progress of pharmacy, outlined the work which he had done during the year.

Treasurer Sheppard presented his report, which showed the finances of the association to be in a flourishing condition.

Several other reports were received and also invitations from Armour & Co. and the Illinois College of Pharmacy to visit their respective establishments, and also from Merck & Co., extending the hospitalities of the Merck building at the World's Fair to the visiting pharmacists.

The meeting then adjourned.

SECTION ON SCIENTIFIC PAPERS.

This section met in hall 22 of the Art Palace Tuesday afternoon. Prof. C. T. P. Fennell, chair-

man. The chairman in his opening address noted the great progress which had been made in chemistry and pharmacy, and the prominent position taken by American pharmacists in the advances thus made.

After the nomination of officers for the ensuing year, Prof. Sayre read a very interesting paper on "Composition of Taraxacum root at different seasons of the year," which was followed by "Laboratory Notes," by Prof. E. L. Patch. Prof. Hallberg's paper on "Beef Extracts" created quite a discussion as the different extracts examined were mentioned by name, which some of the members thought the association would not be justified in doing, as it would be used as an advertisement by the firm whose extract was shown to be the best, while others thought that one of the duties of the association was to expose frauds, and if certain beef extracts on the market were not up to the standard they should be exposed.

Prof. Good moved that Prof. Hallberg be requested to designate the extracts by numbers, which was carried.

Mr. Henry S. Wellcome, of London, then presented a paper on "An improved form of suppositories and bougies," which was followed by one on "Atomic Weights," by Prof. Henrich's and one on "Bougies," by N. Pritzker.

The section then adjourned till 8 p. m.

SECOND SESSION.

The second session opened at 8 p. m., the first business taken up being the election of officers, Prof. Sayre being elected chairman and C. M. Ford secretary of the section.

After which Prof. Trimble, of Philadelphia, read a paper "On the preparation of oak tannins with reference to the special use of acetone as a solvent," and also exhibited a number of these tannins. This paper showed evidences of a great amount of work, and is a continuation of the investigations on tannin yielding drugs which has made the author famous.

Prof. Lloyd read a paper on "Caulophylline" in which he announces the isolation for the first time of a definite crystalline principle from the root of caulophyllum thalictroides, an alkaloid the existence of which has been suspected, but never clearly proved to exist till recently. This was followed by Profs. Caspari and Dohme's paper on "The value of Titration with Volumetric Acid Solution as a means of assaying alkaloidal drugs."

J. E. Morrison read a paper on "Canadian Potash," by Prof. T. D. Reed, and also a supplementary note on the same subject in extension of Prof. Reed's paper, and exhibited an assayed sample of "first sorts" Canadian potash. The discussion on these papers was taken part in by Profs. Lloyd, Eccles, Fennell, Mrs. Miner and J. E. Morrison. Prof. Lloyd stated that owing to the decrease in manufacture and quality of American potash, users would be compelled to go to Canada for their sup-

plies, and that the Canadian potash was of a high standard and free from adulterants.

Mr. Morrison showed the vigilance with which this trade is guarded by the Government and the rigidity of the inspection as regards quality, size of the casks and penalties for infringement.

The next papers were "Change of volume when liquids of different densities are mixed," by Wilbur S. Scoville. "The value of the pharmacopœial tests for oil of cloves," by Prof. Fennel, "Refractometers," by Prof. Edwards, "A microscopical and analytical study of coca leaves," by A. R. L. Dohme, "Commercial varieties of opium," by A. R. L. Dohme, "Hydrastis canadensis," by F. A. Thomson, "Contributions to the literature of strychnia determination," by J. B. Nagelvoort (the two latter from the analytical laboratories of Parke, Davis & Co.), and several others.

The installation of officers was then proceeded with, after which the section adjourned, to meet in Asheville in September, 1894.

On Wednesday the members spent the day at the exposition, and in the evening assembled at the Casino, where a banquet had been prepared for their delectation by the druggists of Chicago. After discussing the good things provided, while listening to the dulcet strains of the Schmoll orchestra, the following toasts were proposed: "The American Pharmaceutical Association," responded to by Prof. Remington. "The International Pharmaceutical Congress," Michael Carteigh. "The Illinois Pharmaceutical Association," Dr. H. Lee Hatch. "The Pharmaceutical Schools," Prof. Prescott. "The World's Columbian Exposition," Dr. Peabody. "The Pharmaceutical Press," Dr. Whelpley. "The City of Chicago," Geo. P. Engelhart. "The Ladies," Mr. N. C. Martin, Newcastle-on-Tyne.

After some humorous remarks from Prof. Hallberg on the last toast, and thanking them for their presence, the party dispersed, carrying with them pleasant memories of the very extensive hospitality of their Chicago confreres,

SECTION ON PHARMACEUTICAL EDUCATION AND LEGISLATION.

This section was called to order at 9 a. m. on Thursday by Dr. Eccles, chairman.

The chairman, in his address, reviewed the history of pharmacy laws in the United States, and urged upon the State delegates to look into their laws, and where in need of change to have them changed.

On motion of Prof. Sayre, the address was referred to a committee of three for consideration. The next paper was one by S. M. Colcord, of Dover, Mass., on the "History of American Pharmacy from colonial times down to the present day."

Nominations of officers for the section being the next business, Prof. Sayre nominated Dr. Eccles, and as there was no dissenting voice he was declared re-elected. Mr. L. C. Hogan was re-elected secretary.

After the reading of papers was resumed, Prof. W. Simon read an interesting article on "The relationship between gas volumes and molecular weights," which was followed by one by Dr. Starke, "Why do so many pharmacists forsake their profession for the study and practice of medicine?"

Mr. Carteigh was asked to give his views on education and legislation, and in reply stated that he favored registration, but he would insist on theoretical training being of a high standard. He did not believe that the condition of the drug trade was being lowered; he had found that in large cities educated people respected the pharmacist, and the amount of respect received from the general public is exactly what the pharmacist earns for himself by his knowledge, and if he honorably carries on his business with refined professional feeling he will be as much respected as the physician. After a number of other papers had been read, Prof. Hallberg presented the following motion:

Resolved,—That the following conditions for graduation shall determine what constitutes recognized colleges of pharmacy: First, twenty-one years; second, experience in pharmacy four years, including time at college; third, two courses of at least six months each extending over more than one year.

This motion received a great deal of discussion, and on motion of Mr. Sheppard was referred to a committee for consideration.

At the afternoon session Secretary L. C. Hogan read his annual report on education and legislation, which was received and referred to the committee on publication.

Dr. Bowker, of Boston, had forwarded a paper on "Legislation in Pharmacy," in which he recommended the abolition of all pharmacy laws, but as he was not a member his paper was rejected.

A number of other papers by Mrs. Upton, W. Bodeman, Profs. Dohme and Simon, and others, and after the election of officers the section adjourned.

SECTION ON COMMERCIAL INTERESTS

was called to order at 8 p. m. Thursday by W. H. Torbet, chairman, and in the absence of the secretary, A. Bassett, of Detroit, Mrs. M. O. Miter, of Hiawatha, Kansas, was requested to act as secretary. Mr. Torbet, in his address, reviewed the commercial standing of the trade and the condition of the tripartite plan for the prevention of cutting, in which he stated that the agreement made at Montreal has not been enforced by the wholesalers, and recommended that the A. P. A. send a delegate to the N. W. D. A. convention at Detroit, who, with the delegate from the Inter-State League, would endeavor to force the N. W. D. A. to execute their part of the plan. Mr. Bodeman moved that a committee for this purpose be appointed.

Mr. Alpers moved that, although custom compelled retailers to carry and sell so-called patent medicines, that they should do all in their power to

discourage the sale of such unscientific preparations, and in their places to offer and to sell preparations compounded by themselves, and also that we disapprove of all plans based upon contracts to regulate the price of patents.

After a lengthy discussion this motion was laid on the table.

After the nomination and election of officers the section adjourned.

FINAL GENERAL SESSION.

On Saturday at 10 a. m. the final general session of the association was held in the Art Palace.

H. M. Whitney, of Boston, presented the report of the committee appointed to consider the president's address.

The president then announced that the Pan-American Medical Congress would meet in Washington, and that he had a communication from the secretary inviting their co-operation in the section on *Materia Medica*.

On motion of Dr. Rogers, the chair appointed Mr. Thompson, of Washington, Prof. Caspari, of Baltimore, and Prof. Frank G. Ryan a committee to attend the aforesaid congress.

After votes of thanks to the druggists of Chicago and the Illinois Pharmaceutical Association for the entertainment and courtesies shown the A. P. A., President Remington introduced Dr. Frank Woodbury, delegate from the American Medical Society, who addressed the meeting on the relation of physician and pharmacist.

The installation of officers was then proceeded with, and on motion of Mr. Zwick, the thanks of the association were tendered the retiring officers and also to Henry Biroth, the retiring secretary, and the members of the local committee.

On motion of Mr. Sheppard, the convention adjourned to meet at Asheville, N. C., the first Monday in September, 1894.

After the adjournment the members were driven in tally-ho coaches and carriages through Michigan Avenue to Lincoln Park, where a most bountiful lunch was partaken of. After a drive through this beautiful park and return to the city, where the whaleback passenger boat "Christopher Columbus" was taken for the Fair, where another slight lunch had been prepared in the Casino, and after "Auld Lang Syne" the convention broke up loud in their praises of Chicago and its druggists.

CANTHARIDIN is prepared by the following process, which is said to yield a product superior to any other: Macerate the powdered cantharides in acetic ether and add a little sulphuric acid; neutralize with barium carbonate; exhaust with acetic ether and distil. The residue is evaporated to dryness, treated with petroleum ether, then with alcohol to remove resinous coloring matter and purified by repeated crystallizations.—*Amer. Jour. Phar.*

PHARMACEUTICAL ASSOCIATION OF THE PROVINCE OF QUEBEC.

Minutes of the adjourned meeting of the council of the Pharmaceutical Association of the Province of Quebec, held in the committee room, 595 La-gauchetierre street, Montreal, on Tuesday, September 5th, 1893, at 3 p. m.

Mr. Joseph Contant, president, in the chair.

Business of the meeting being to elect the examiners for the preliminary examinations.

Moved by Mr. A. D. Mann, seconded by Mr. A. E. DuBerger, that Mr. Isaac Gammell and Mr. A. Leblond de Brunet be appointed as the examiners for the preliminary examinations of the association for the balance of the current year. Carried.

Resolved, — That the preliminary examiners shall be paid the sum of ten dollars each for every quarterly examination, and that the Quebec druggist who shall be charged with the supervision of the said examinations in Quebec shall be paid the sum of five dollars for each examination held. Carried.

Moved by Mr. A. E. DuBerger, seconded by Mr. A. D. Mann, that Mr. A. LaRue be appointed as supervisor of the preliminary examinations in Quebec, whose duties will be to receive the questions from the secretary, deliver them to the candidates on the day of examination, attend on the candidates when writing out the questions, collect their papers and forward them to the secretary at his earliest convenience. Carried.

Resolved, — That the present preliminary examiners' committee be continued, and that they meet with the newly-appointed examiners and arrange upon the best mode to adopt for drafting and delivering the questions to the candidates for the next October preliminary examinations.

There being no further business, the meeting closed.

E. MUIR,
Secretary-Registrar.

Pharmaceutical Association of the Province of Quebec.

Minutes of the regular meeting of the Council of the Pharmaceutical Association of the Province of Quebec, held in the committee room, 595 La-gauchetierre street, Montreal, on Tuesday, September 5th, 1893, at 3 p. m.

Joseph Contant, Esq., president, in the chair.

The minutes of the last regular and also those of the adjourned meeting were read and confirmed.

The registrar reported that the association attorney had given his opinion to the effect that there was no appeal from the judgment of the Circuit Court judge in the Mathieu case.

The registrar, as the authorized official delegate, read his report of the meetings of the American Pharmaceutical Association and the International Pharmaceutical Congress meetings held in Chicago, commencing on August 14th and closing August 23rd, the report setting forth the cordial man-

ner in which this association's delegates had been received, and the honor which had been conferred upon this association by the appointment of the registrar as vice-president and Mr. S. Lachance as vice-secretary, for this province, of the World's International Pharmaceutical Congress.

This report was considered very satisfactory and a vote of thanks tendered to the registrar for the manner in which he had represented the association at the World's Columbian International Pharmaceutical Congress in Chicago.

The other delegates accredited from this association were Messrs. Lachance, Morrison, Carriere and W. B. J. Brunet; these, with the exception of Mr. Brunet, presented their credentials and took part in the several meetings.

Resolved,—That the semi-annual examinations for major and minor candidates be held in Quebec commencing on Tuesday, October 17th next, and that the secretary be authorized to make the necessary arrangements for said examination.

An official communication was read from the Ontario College of Pharmacy, fully approving of the movement of this association in the direction of obtaining an official standard for all medical preparations and the formation of a Dominion Pharmaceutical Association, and with a view to facilitate this movement the Ontario College has nominated its president and vice-president, with power to add to their number, to act in unison with this association and the sister pharmaceutical associations of this Dominion.

The secretary was instructed to reply to this communication and to confer with the other associations of the Dominion on these subjects.

There being no further business, the meeting closed.

E. MUIR, *Secretary-Registrar.*

Pharmaceutical Association of the Province of Quebec.

NOTICE.

The next preliminary examination for students entering the study of pharmacy will be held in the lecture hall of the College of Pharmacy, 595 La-gauchetierre street, Montreal, on Thursday, October 5th, at 2 p.m. Candidates must file their applications duly certified with the registrar on or before the 26th day of September. Printed forms of application must be obtained from the registrar, and be duly signed by the applicant.

Candidates who have failed more than once in their examinations will be required to pay the full examination fee.

The council having instructed the registrar to enforce the rule requiring from candidates for examination ten days' notice prior to the date fixed for these examinations, no application will be accepted after the 26th day of September.

E. MUIR,
Secretary-Registrar.

595 La-gauchetierre street, Montreal.

ENGLAND.

(From our own Correspondent.)

The meeting of the British Medical Association which has just taken place at Newcastle-on-Tyne has proved an unqualified success. Nearly one thousand medical men registered their names as present at the various sections and the excursions, which are by no means the least attractive items to the visitors, took place in favorable weather. It is, perhaps, a little extraordinary that all these scientific reunions are organized on what might cynically be termed a "picnic" basis. But the fact remains that from the British Association for the Advancement of Science down to the Pharmaceutical Conference, all these meetings owe most of their success to the excursion part of the programme. To pharmacists the annual meeting of the doctors is principally interesting as the birthplace of new drugs and preparations. A museum of foods, drugs, etc., is always arranged in close proximity to the reception rooms, and most of the wholesale druggists and manufacturing chemists take the opportunity of exhibiting their specialties. During recent years it has been rather humiliating to find that the majority of the new and improved additions to pharmacy have come from the United States, whilst the fine chemicals and recent additions to materia medica hailed from Germany. This year there were several notable exceptions. First of all, the credit for the most tastefully-designed exhibits must rest between Messrs. Openheimer and Mr. Mellin of Infants' Food fame. In each case the lavish display of choice flowers and exotic palms was a welcome relief to the stereotyped form of exhibition.

Amongst the novelties to be seen was a rectified opium, prepared according to a patent which eliminates narcotine from the crude opium by maceration in a mixture of chloroform, benzole and ether. A combination of reduced iron, pepper, salt and pepsine which, under a fancy title, has been introduced for administration with food as a condiment. A chemical food, containing no sugar and free from astringency and almost tasteless, prepared with neutral calcium chloride and ferrate of ammonium. Strontium salts, free from barium, compounds, and syrups and liquors prepared from them. Sulphur candles, without wicks, evidently manufactured with the addition of nitre. Amongst antiseptic preparations there were numerous compounds similar to Jeye's creolin and also others having perchloride of mercury as the germicide basis.

Messrs. Parke, Davis & Co. had a full line of their well-known specialties, and their *pepsin aseptic* was given considerable prominence. Messrs. Warner & Co. had a very attractive but small display of their sugar-coated pills. Messrs. John Wyeth & Bro. also exhibited digestive ferments and compressed goods with good effect.

The actual amount of business done with the medical men at these exhibitions is practically *nil*.

But although orders are not frequently booked, the doctors are very fond of a tour of inspection, and accompanied with enquiries, whilst they are positively omniverous for samples.

The question so recently raised in *THE MONTREAL PHARMACEUTICAL JOURNAL*, as to the pharmacopœial standard for the Dominion, has received varying comments on this side of the Atlantic. There is some considerable feeling here in favor of the B. P., whilst the journals of the United States naturally urge the advantages of their neighborhood and the U. S. P. By the editorial in your June issue it is quite evident that the B. P. is a legal standard, although the Dominion "Adulteration Act" also mentions the U. S. P. as a standard, but *after* the B. P. It is not too much to suppose that the intention of the legislature was to legalize the B. P. as the standard in cases where the drugs, etc., which occur in it are sold, whilst if the article be *only* in the U. S. P., it would naturally have to answer the requirements of that pharmacopœia. The argument of your contemporary, the *American Druggist*, that because the A. P. A. is not called the United States Pharmaceutical Association, therefore the U. S. P. should apply to Canada, is a trifle far-fetched.

All pharmacists will be pleased to hear that the Hanbury gold medal of the Pharmaceutical Society of Great Britain has been awarded to Professor J. M. Maisch. This is the first time that the medal has crossed the Atlantic. It was designed as a memorial of the late Daniel Hanbury, F.R.S., whose knowledge of drugs, their history and properties, was unsurpassed by any other leading scientist of his day. The former recipients are Dragendorff, Hesse, Howard, Planchon and Brady. Mr. Michael Carteighe, president of the society, has been commissioned to bear the medal to the Congress at Chicago, where the presentation to Professor Maisch will be made.

Business during the past month has been very quiet and both retail and wholesale traders complain of the stagnation in the drug trade. The severe drought has adversely affected the Mitcham crops of lavender, peppermint, chamomile and rosemary. Cholera, which has been expected by doctors, druggists and the general public, has fortunately not visited our shores in spite of the prophetic announcements of continental authorities. There has been, however, quite an epidemic of summer diarrhœa, principally among children. The treatment now usually adopted in these cases is small doses of carbolic acid or perchloride of mercury, although astringents, as logwood or acetate of lead, are relied upon by many. Tincture of coto bark, although exploited by the Royal College of Physicians as a remedy for the early stage of cholera and dysentery, has had little or no enquiry. The preparation of an elegant and effective preparation for these complaints is still a desideratum. Amongst the new remedies, salol is increasing in favor, and dulcin, a derivative of urea, appears

likely to rival saccharin as a sweetening agent. Carbonate of guaiacol is being tried at several of the London hospitals in cases of typhoid fever, and quaiacol pure is employed in phthisical affections. The recent rush to organic animal extracts is dying down, and the use of the thyroid gland of the sheep in myxœdema is not extending for the simple reason that the disease is very rare.

NOTES ON THE BRITISH PHARMACEUTICAL CONFERENCE.

At the British Pharmaceutical Conference, among the papers of greatest practical interest was one by Messrs. Farr and Wright on the standardization of the alkaloidal tinctures of the British Pharmacopœia, in which they recommend the reduction of the alcohol strength of most of the alkaloidal tinctures in the B. P., and also the change of process from macero-percolation to that of continuous percolation. In their opinion such tinctures as nux vomica could be made from a concentrated standardized fluid by dilution with the requisite menstruum and give better results than the present cumbersome method of making a standardized solid extract and then dissolving it.

Mr. Conroy, F. C. S., finds the sp. gr. of sandalwood oil distilled from Mysore wood, under his own supervision, to be .9758. He states that the specific gravity given in the British Pharmacopœia is about .96° too low, and should be raised to a minimum of .972 at 60° F.

E. J. Parry, B. Sc., and P. A. Estcourt, A. I. C., find a large percentage of the beeswax of English commerce to be adulterated with paraffin, stearic acid, rosin, spermaceti and carnauba wax, in addition to such bodies as gypsum, ochre and sulphur.

Easton's syrup and the perennial question of its gelatinization evolves a paper from R. Wright, who proposes to reduce the quantity of acid and thus prevent the crystallization. His formula is as follows:

Iron wire.....	75 grs
Phosphoric acid, 1.50.....	11 fd. drms
Strychnine in powder.....	5 grs
Phosphate of quinine.....	120 grs
Simple syrup.....	13 fd. oz
Distilled water, a sufficient quantity.	

Place the iron wire and the acid, previously diluted with an equal bulk of water, in a small flask, plug the neck with cotton wool, and heat gently until the reaction is complete; then add the strychnine and the phosphate of quinine, and shake till dissolved; filter the solution into the syrup and add distilled water to make one pint.

Edmund White, B. Sc., F. I. C., read an interesting paper on the pharmacy of the thyroid gland, various preparations of which are now being used in the treatment of myxœdema. The gland may be used finely minced and mixed with wine or other flavoring agent. It may also be given slightly grilled or in the form of glycerin extract, the pre

cipitate produced by absolute alcohol, the glycerin extract, or the precipitate produced by formation of calcium phosphate in the glycerin extract. The glycerin extract, which has been used with very good results, is prepared as follows:

Thyroid glands 6
 Glycerin
 Chloroform, water, of each $\frac{1}{2}$ oz

Slice the loles and rub them in a mortar with one-fourth their weight of fragments of glass, until they are thoroughly disintegrated. Then add half a fluid ounce of glycerin and the same quantity of chloroform water, and macerate 24 hours. Express through linen and make up to 12 fluid drachms by the addition of equal parts glycerin and chloroform water. Twenty minims of this product are equivalent to one-sixth of a gland.

John C. Umney reports the results of his examination of African copaiba, and he finds that although there are some differences between it and the South American article, still it is substantially the same therapeutically. Mr. E. Harry Fenwick, F. R. C. S., who has clinically tested it, finds that it is not quite as potent, but has a pleasanter taste and is better liked than the South American copabias.

THE PREPARATION OF THE OAK TANNINS, WITH SPECIAL REFERENCE TO THE USE OF ACETONE AS A SOLVENT.

BY HENRY TRIMBLE AND JOSIAH PEACOCK.

Read at the Forty-first Annual Convention of the A. P. A., held in Chicago, Aug. 15.

The usual method for preparing a tannin from a substance as rich as nutgalls, or containing from 60 to 70 per cent. of the astringent principle, is to extract with a mixture of alcohol and ether, or, what amounts to the same thing, official ether, sp. gr. 0.750. When, however, the material is an oak bark, containing from 4 to 15 per cent. of tannin, the choice of a proper solvent becomes a more difficult matter.

During the past year a number of experiments have been made on oak bark with a view of determining the most satisfactory solvent for the tannin. The following are especially worthy of consideration:

1. Official ether sp. gr. 0.750, which is equivalent to a mixture of alcohol and ether.
2. Acetic ether.
3. Water.
4. Acetone.

The greatest objections to ether are its expense and the slowness of its solvent action, which consume time as well as a large amount of menstruum.

Acetic ether is a much better solvent, and the expense is the chief difficulty in the way of its use.

Water is slow in its solvent action; this, however, is in part overcome by long maceration and slow percolation. The tannin must be separated

from the resulting aqueous solution, either by agitation with acetic ether or by precipitation with lead acetate. In the latter process it was found possible at a considerable sacrifice of oak bark to procure a quantity of light tannin by precipitating one-half of the aqueous percolate and then filtering. The filtrate was very light in color, and was either evaporated under reduced pressure and submitted to further purification to be described hereafter, or it was agitated with acetic ether, and, after removal of the latter solvent, purified in the same manner.

Apart from the slowness of this process, the yield of tannin after purification was always small when water was used as a solvent.

Within the past few years acetone has appeared in commerce in a nearly pure form. Its solvent action has been suggested for several plant principles, but thus far little, if any, reference has been made to its use as a solvent for tannin, although there is good reason for believing that some manufacturers are using it for the extraction of nutgalls. It is cheaper than ether, but more expensive than alcohol. It is a better solvent of tannin than either of these, and extracts the tannin with less sugar and other carbohydrates, because of its poor solvent power over these. Its low boiling point, 56.5°, renders its recovery easy and rapid, without danger of decomposition to the tannin.

From a sample of powdered nutgalls, commercial ether extracted 59.77 per cent. of solids, while acetone extracted 62.24 per cent. of the same.

The following process, after some preliminary experiments, has been devised and thus far proven satisfactory:

The powdered oak bark was well moistened with acetone packed in a glass percolator, and the menstruum poured on until it commenced to drop from the lower orifice, when the latter was closed with a cork, and the bark allowed to macerate for forty-eight hours. Enough of the solvent was poured on before maceration commenced to keep a thin layer of it above the drug. A glass plate smeared with petrolatum was kept on top the percolator to prevent evaporation. At the expiration of the maceration period the stopper was removed and the percolation continued rapidly until the number of liters of percolate amounted to one-half the number of kilograms of oak bark used. The latter was then usually found to have been exhausted. In some instances a number 20 powder, in others a number 40 powder, was used. In every case the acetone rapidly penetrated the drug and accomplished complete exhaustion. The acetone was removed by distillation, the first portion on a water bath, under ordinary conditions, but the last portions by the additional aid of reduced pressure. The residual product was a dark red or brown semi-solid extract. This was warmed with water until nearly all of it dissolved. After cooling the whole was filtered and the clear filtrate was diluted with water as long as precipitation took

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:—

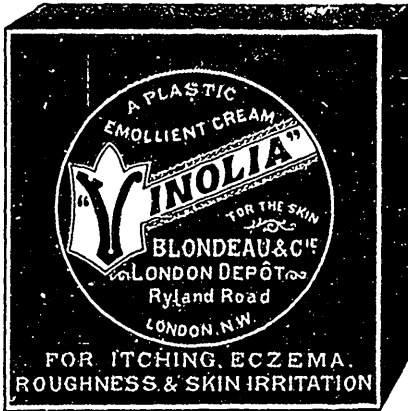
"Odour delicate and an article of excellent quality."

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 such 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.



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.

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

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

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

LYMAN,
SONS & CO.

Wholesale
Druggists,



382, 384 and 386
St. Paul Street,
MONTREAL,
QUE.

Royal Canadian Perfumes,

FOR THE XMAS TRADE.

See our Travellers' samples
before purchasing other
lines.

Conc. Ext. Bay Laurel for Bay Rum.

White Pine Expectorant.

Syrup Hydriodic Acid.

Elix Yerba Santa Arom.

Aromatic Fluid Cascara.

Compound Digestive Elixir.

Lyman's Pepsine Compound.

Concentrated Niterus Ether, 1 in 20.

Zinc Oint Base, 1 in 4.

WRITE FOR QUOTATIONS.

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

place. This dilution separated much of the anhydrides. The filtrate from these was of a clear red color and yielded no further precipitate on the addition of water. It was agitated successively with acetic ether. The acetic ether portions were mixed and the solvent recovered by distillation under reduced pressure, which yielded the tannin in a porous or "puffed up" condition. The product was then treated with cold water, and, after filtration, was again separated by agitation with acetic ether. This process was continually repeated until the tannin was readily and completely soluble in water. The tannin then possessed considerable odor of acetic ether, which was removed by solution in official ether, sp. gr., 0.750, and, after filtering clear, distilling off the solvent under reduced pressure. The product was then digested with absolute ether, which dissolved the small amounts of adhering resin and crystalline principles which occur along with it in the bark or result from decomposition when working it, and the tannin remained behind nearly pure, and readily and completely soluble in water.

This process was carried out on barks from the following species of oaks: *Quercus alba*, *Q. coccinea* and its variety *tinctoria*, *Q. salcata*, *Q. palustris*, *Q. prinis*, *Q. bicolor*, *Q. stellata*, *Q. phellos*, and *Q. rubra*. It was found in some cases that by dissolving the acetone residue in a mixture of four parts water and one part alcohol, instead of water alone, that there was less formation of anhydrides.

A few trials were made with a modification of the purification process in which the first acetic ether residue was dissolved in water and filtered through a freshly prepared lead compound obtained by precipitating a portion of the aqueous solution of the bark with lead acetate.

In some instances the resulting filtrate was nearly colorless, but the loss of tannin was such as not to warrant the adoption of the process for general use. It might, however, be applied in certain cases with satisfactory results. From the colorless filtrate the tannin should be removed by agitation with acetic ether, and the remainder of the general purification process then carried out.

COMPOSITION OF TARAXACUM ROOT AT VARIOUS SEASONS OF THE YEAR.

BY PROF. I. E. SAYRE.

Read at the Annual Convention of the A. P. A., held in Chicago, August 15th,

At the last meeting of this association a paper on the juice of *Taraxacum* was presented, merely as a preliminary report of work done toward answering Queries 11 and 12. (See Proceedings '92, p 195.)

In pursuing this subject further it was soon found that it was almost impossible to arrive at any satisfactory conclusion regarding the variation in this root by expressing and analyzing the juice as suggested by Query 11. This procedure is attended with difficulties and errors; not least among the causes for these is found in the process of expres-

sion itself. It is next to impossible to exert upon two different collections exactly the same degree of pressure, and by pressure one cannot possibly obtain all of the juice from any specimen of fresh root. After digging, the juice coagulates rapidly in the interstices of the root; a few minutes' difference in the time consumed in cutting, crushing and preparing for the press, produces a marked difference in the yield of the juice.

These sources of error, so interfering with accurate work, made me think it best to determine the variation in the composition of the root by another process than that suggested by the query; this process is submitted with this paper.

In this investigation I have been surprised to find that, to a very remarkable extent, different roots collected in the same month may vary immensely in composition. In the course of this work it became necessary for me to use a root collected in June of the two years '92 and '93. The quantity collected of the former having been insufficient for the analysis, the root of '93 was necessary for the completion of the work. The root of the first year had been collected and dried for me in the sun, and the root of this year was collected, washed, chopped fine and dried in thin layers in a hot-air oven at a temperature of 60° C. The former had been collected from low, and the latter from very high ground. The following table shows the difference in the composition of the two specimens:

Root collected in	1892.	1893.
Moisture (in the dry root)....	9.79	9.48
Taraxacin " " ....	.612	.720
Inulin " "	9.34	4.83
Reducing sugars " "	12.50	2.60
Levulin* " "	1.728	16.00

It has been stated by Poley, (1839) that taraxacin separates in warty crystals by boiling the milky juice with water and allowing the concentrated decoction to evaporate. I have become convinced in the course of this examination, that these so-called watery crystals do not contain the bitter principle, but are composed of inulin and inert matter. All attempts to obtain the bitter principle in a crystalline form, free from admixture of brownish-red extractive, have thus far been unsuccessful. The concentrated colorless solutions of this principle, when evaporated on a glass slide, show numerous crystals of a stellate form, but these are not easily separated from the extractive referred to.

The inulin does not appear in microscopic section of the fresh root. After the root has macerated in alcohol, however, for a short time, the spherules appear, well defined, in the parenchymatous tissue of the bark. Prolonged maceration in alcohol seems to decrease the size of the spherules. In the June root, macerated for about two weeks,

*For description of this amyloid principle, see Dragendorff's Plant Analysis, p. 212.

the spherules appear well formed, and measure from 16 to 25 micro-millimeters. In the September and December roots, macerated a much longer time, the inulin appears in much smaller crystals, but showing the characteristic markings.

There is a vast difference in the amount of inert and coloring matter in roots of different months; that collected in the month of October is very rich in a soluble yellow coloring matter which is quite sensitive to the influence of alkalis and acids, turning red with the former. The root collected in April is remarkably free from coloring matter, and the solutions of the bitter principle from the roots collected in this month are the least prone to color up and change upon concentration. The inulin after precipitation was not purified in the course of this work, but was weighed as crude inulin. As these crude inulins contained various amounts of inert and coloring matters, the figures given below are therefore only approximate as to the amount of this principle.

METHOD OF EXAMINATION.

I. Treatment of the fresh root for moisture and extractive.

(a) Moisture.—A known weight of the fresh root, chopped fine and spread in thin layer, was heated in a hot-air oven until it ceased to lose weight.

(b) Extractive.—Another weighed portion was extracted with water, 9, and alcohol, 1 part. The dregs were then washed with warm water. The resulting mixed solutions were evaporated, and finally heated in a hot-air oven until the extract ceased to lose weight.

II. Treatment of air-dry root for taraxacin, inulin, reducing sugars and levulin.

(a) Taraxacin.—Ten grammes of the very finely powdered air-dry root was introduced into an extraction apparatus and percolated by continuous displacement with chloroform for eight hours. The chloroformic extractive after the evaporation of the chloroform was treated with distilled water and filtered. The precipitated resin was well washed upon the filter; the aqueous solution evaporated to dryness and the residue weighed and estimated as taraxacin.

(b) Reducing Sugars.—The residue (dregs) (a) were treated with alcohol in a continuous extraction apparatus for eight hours; the alcoholic extractive treated with water and the solution quantitatively estimated for sugar by Fehling's solution.

(c) Inulin.—The residue from (b) was treated with warm water until exhausted; the aqueous solution was concentrated and to the resulting evaporate was added three volumes of alcohol. The crude inulin was collected on a filter, dried at 100° C., and weighed.

(d) Levulin.—The alcoholic filtrate from the inulin was evaporated to drive off the alcohol, and the dense residue dissolved in water. The solution, acidulated with HCl, was boiled for six hours, thus converting the levulin into reducing sugar.

The sugar was estimated by Fehling's solution and calculated into levulin.

The result of this examination of dandelion root collected at different seasons may be tabulated as follows:

Table showing the difference in composition of taraxacum root collected at different months of the year—Calculation of percentage composition made on basis of fresh root:

MONTHS OF THE YEAR COLLECTED.	PER CENT. OF CONSTITUENTS.					
	Moisture.	Extractive.	Taraxacin.	Reducing Sugars.	Inulin.	Levulin.
March.....	75.8	16.10	.130	.588	1.587	4.92
April.....	83.6	8.675(?)	.0551	1.049	1.046	1.047
May.....	77.06	13.29	.182	.684	.687	.1374
June.....	82.2	12.16	.1459	.5568	.9787	3.242
July.....	80.14	14.92	.0804	.3116	.9036	3.464
August.....	77.83	12.52	.0842	.0842	4.026	2.077
September.....	79.63	13.27(?)	.5217	.5217	2.374	.8954
October.....	78.65	12.47	.123	1.977	1.333 (?)	.832
November.....	77.83	12.42	.1033	1.483	2.313	1.4246
December.....	71.15	15.89	.0847	.833	2.87	1.986
February.....	72.32	.....	.174	1.055	1.355	.335(?)

In most cases three determinations were taken. Errors were possible, of course, but close attention was given to every detail of the work; as close attention, at least, as was possible under the pressure of duties of the laboratory and lecture room.

Although the air-dry root was used for the extraction of the various principles, the amounts of these contained in the table correspond to the amounts present in the fresh root, allowance being made for the difference in the moisture of the air-dry and the fresh root.

It may be objected that the proportion of the constituents of the dried root does not fairly represent that of the fresh. This point I shall endeavor to settle in a future investigation. For this purpose I am providing myself with a small vacuum apparatus in which the juice and aqueous percolates may be concentrated without, possibly, the least change. There is no question that the slow drying of the substance modifies the constituents. To what extent this is the case will be interesting to know. During the next year I hope to be able to go over the same ground, pay more attention to

the location from which the root is collected, endeavor to select the root from the same condition of soil, etc., and shall endeavor to decipher the cause of the apparent irregular and eccentric diversity of composition.

BOUGIES.

BY NICHOLAS PRITZKER, PH. G.

Read at the Forty-first Annual Convention of the A. P. A., held in Chicago, Aug. 15.

THERAPY.

From a therapeutic standpoint bougies are very desirable and preferable to injections because :

They bring all the medicaments to the affected parts while the patient is about his vocation, not taking him from the latter except for a short time during the administration.

None of the medicament is lost, all being absorbed if the bougie is properly prepared.

Substances insoluble in liquids can be incorporated in a bougie, being solid.

It is safer as no stricture need result because the necessary amount of drug can be incorporated and nearly all of it is absorbed.

PHARMACEUTICAL VALUE.

To be of importance to the druggist, however, bougies should be of such character as to admit of being formed in the laboratory with such implements as are already to be found there or easily attainable at a small expense and on short notice. Bougies requiring expensive outlays for apparatus and tedious processes are not only useless, so far as the average pharmacist is concerned, but even pernicious to the latter, since they add to the monopolizing "propr. manuf." who always claim "superior facilities" for manufacturing.

To sum up, therefore, bougies should be :

(a) Readily absorbable and fusible at the temperature of the body, yet not so quickly that the material will run out before it has had its required action.

(b) Flexible and malleable.

(c) Miscible with such drugs as are usually prescribed for such cases.

(d) Constructed on simple principles with few appliances and rapidly on short notice.

The bases so far suggested do not seem to meet with the above requirements, lacking in one or more essential points, gelatin for instance, while flexible and malleable, can not be made quickly and easily, nor are gelatin bougies fusible but rather simply swell. Cacao butter has been suggested, but it is neither flexible nor malleable, and acts rather on the hands of the druggist and patient before reaching the parts intended. Wax is even less desirable than either the former in all respects, particularly from the therapeutic standpoint.

FORMULA.

To overcome those objections and to conform to

all the requirements as stated above, I have, after many various fruitless efforts, succeeded in making an almost faultless bougie by emulsifying melted cacao butter with acacia, water and glycerin.

For the most practical base I found the following formula par excellence :

Theobroma oil.....	grains,	480
Pow'd. acacia.....	"	240
Water.....	min.,	240
Glycerin.....	"	120
Pow'd. boric acid	sufficient.	

Melt the cacao butter and triturate in a warm capsule with acacia, add the water previously mixed with the glycerin ; place the capsule in cold water or on ice until the mass has solidified, and set the vessel aside. When required for use, take of the above four drachms, incorporate with medicaments and from 10 to 25 per cent. cacao butter, triturate until intimately mixed, and roll out into 10 bougies.

To further simplify the handling of the bougies a OO empty capsule may be placed at one end of the bougie, so that in holding it will not melt. Thirty-five per cent. glycerin may be incorporated with this base in making the suppositories ; this does not interfere with the addition of such powders as may be needed. As a substitute for cold cream or as a salve for lips, hands, or face, it is not to be improved upon. However, for the different uses different formulas are to be preferred. As a lip and face preparation more base and glycerin and less or no acacia is wanted, while as a base for salves but little of the glycerin and a trace of white wax is advisable.

When dry powders are prescribed in bougies these should be incorporated with an equal amount of glycerin.

I may farther state that many physicians have found the above mixture a far more desirable base for suppositories than the pure cacao butter. Directing attention to this may prevent some ingenious proprietary manufacturer from bringing forth a substitute for cacao butter under some clever name, as "bugioleine," thereby taking profit from us and our science.

PHARMACEUTICAL NOTES.

GALLATE OF MERCURY is recommended by Brousse and Gay as an anti-syphilitic. It is prepared as follows :

Acid gallic.....	37.6	grms.
Hydrarg. oxid. flav.....	21.6	"

Mix by rubbing in a mortar, add 25 c.c. of distilled water, and rub to a paste. Allow to stand two days, powder and dry over sulphuric acid. The authors have tried this remedy in thirty cases and find that it is rapidly absorbed and very efficacious either in the early stages or during secondary symptoms, while it has none of the bad effects of

biniodide or bichloride. They generally prescribe it in the form of pills with ext. cinchona.

Hydrarg gullat.....	.05
Ext. cinchana.....	.10

SALACETOL is produced by heating monochloracetone with sodium salicylate. It occurs in light glistening needles, a slight bitter taste. It is said to be very useful in the treatment of diarrhœa, given in 30 grain doses.

POTASSIUM CHROMATE AS AN INDICATOR.—Titrations with silver nitrate, using potassium chromate as an indicator, are said not to be accurate on account of the solubility of silver chromate in water. Mr. W. Gathorne Young has investigated the matter, and given the results in a communication to the Society of Public Analysts. The following are the general results obtained: Silver chromate is soluble to the extent of 6 parts in 100,000 of water at 15.5° and more soluble in hot water. Titrations should never take place with hot solutions and in the cold the solutions should be as concentrated as possible.

SENSITIVE TURMERIC PAPER.—According to the Bolletino Farmaceutico, a very sensitive paper is obtained by dipping slips of neutral filter paper into a tincture of turmeric, (1.7) and when dry they are dipped in a 2% solution of potash and quickly washed with distilled water and dried. This paper reacts with 1 part hydrochloric acid in 157,000 parts water.

IVY POISONING.—Bean leaf is recommended by a correspondent of the *Scientific American* as a remedy for ivy poisoning. The leaves are bruised and applied to the poisoned surface. A decoction of the dried leaves has also been found satisfactory.

DENARCOTIZED OPIUM.—Hagers recommends the following process: Opium in powder is triturated with one and a half times its weight of water, and heated to 95-100° C. with constant stirring, the residue dried and powdered.

SYRUP OF CIMICIFUGA.—S. W. Heimitch gives the following formula for this syrup, as being easily prepared:

Pow'd cimicifuga, No. 60.....	4 oz.
Diluted alcohol.....	q. s.
Carb. magnesia.....	2 drs.
Sugar.....	14 oz.
Water, to make.....	16 oz.

Exhaust the powder with diluted alcohol, evaporate the tincture to 8 fl. oz., triturate with the magnesia, filter and dissolve the sugar in the filtrate without heat.—A. J. P.

PEROXIDE OF HYDROGEN, according to P. Krohl, is the best antidote in hydrocyanic acid poisoning. He has administered the acid to dogs and cats in large doses, and by means of peroxide of hydrogen its effects were entirely neutralized.

A NOTE ON CANADIAN POTASH.

BY J. E. MORRISON, CHEMIST, MONTREAL.

While in Quebec a few days ago, I called upon Mr. Despatie, the manufacturer of potash mentioned by Dr. Reed, for the purpose of taking a photograph of his establishment to accompany Dr. Reed's article, and also for the purpose of obtaining a few more ideas on the subject. As regards the proportion of potash obtained, the yield is generally 600 lbs. from 100 bushels of ashes weighing from 50 to 60 lbs., and very rarely as high as 75 lbs. per bushel. He finds also that wood coming from the lower parts on the St. Lawrence always contains a comparatively large percentage of salt, and white birch contains more than any other, apparently due to the vicinity of a large body of salt water; so that with the supply of ashes obtainable in Quebec it is very difficult to turn out a potash, answering the requirements of "first sorts," as regards saline matter. He has also found that green wood yields a larger proportion of potash than perfectly dry wood.

The best woods for potash-making purposes are ash and elm, and the next maple. Ash and elm do not grow very plentifully, and are seldom used for firewood in the Province of Quebec; but maple and birch are very plentiful, and consequently the most of the potash is produced from these woods.

I at first thought that an inquiry into the potash-producing power of the different woods would be a good line of investigation, but I find that the subject has already been thoroughly gone into by Vauquelin, Kirwan and De Saussure a great many years ago; but I think that an investigation of the statement, that the wood from the vicinity of salt water contains more chloride than from fresh water, might be of interest to the profession, as I can find nothing bearing on it in the literature accessible to me at present. I hope to begin work on the subject shortly, and will report at the next convention, if it proves of sufficient interest.

ALCOHOL IN MILK.—Very highly-diluted alcohol was given at night by F. Kilngemann to some goats, and next morning the milk of the goat contained 0.15 to 0.3 per cent. of alcohol. No alcohol was found in human milk after the consumption of small quantities of spirit, but with increased consumption small amounts were found; so that a child suckled by a drunken mother may be said to be an alcoholic from infancy.

Free Want Department.

Druggists in need of apprentices and help generally, are invited to make free use of this department, and all persons seeking situations in the drug trade are cordially invited to do likewise. Advertisements of business for sale will also be inserted free of charge.

SITUATION WANTED.—By a young man of four years' experience, in good store, wholesale preferred. Robt. Rutherford, Simcoe.

M. P. P.

MALTO PEPTONIZED PORTER,

FOR INVALIDS, CONSUMPTIVES AND DYSPEPTICS.

THIS combination containing the finest quality of **Porter**, together with **Pepsin** (the digestive power of 10,000 grains of albumen to the bottle) **Extract of Malt** and **Dandelion**, appeals to the understanding of this profession as being well adapted to a numerous class of cases. In no single instance has it been rejected by the most delicate stomach. It is especially adapted to the following cases:

- a. *Convalescence from acute diseases such as Typhoid Fever, Cholera, etc.*
- b. *In Atonic Dyspepsia its effects have been most marvellous, enabling patients to take all kinds of food with comfort that would not otherwise be retained by the stomach.*
- c. *In persons of Consumptive tendencies it has been found to be a most perfect substitute for Cod Liver Oil, the extract of Malt supplying the fat-producing elements necessary to the supply of wasted tissue, besides the tonic and stimulating effects.*
- d. *In the treatment of cases of unnatural craving for Alcoholic Stimulants, or Alcoholism, it has been found to answer admirably in allaying the irritation, vomiting, and consequent desire for stimulants of an unhealthy nature.*
- e. *It is especially adapted for administration to Nursing Mothers.*
- f. *In wasting diseases of Children.*
- g. *Where there is sleeplessness from flatulence, over-taxed brain and nervous system.*

Samples can be obtained free by the Profession, on application to —

The Malto Peptonized Porter Company, (Limited),
TRURO, NOVA SCOTIA.



(France)

Hydromineral Establishment of

(Vosges)

CONTREXÉVILLE

Source du

PAVILLON

The only one under the protection of the French Government

DIURETIC - TONIC - DIGESTIBLE

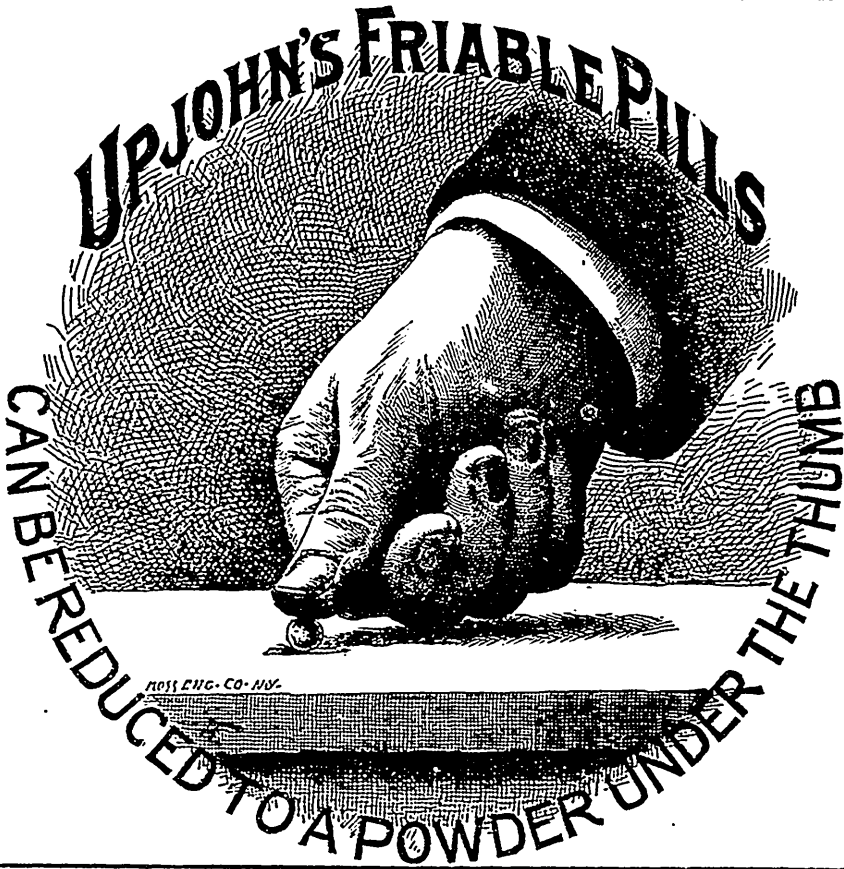
Queen of mineral Waters for:

GOUT GRAVEL DIABETES**DISEASES OF THE BLADDER****LIVER COMPLAINTS**

ASK
for the Source

PAVILLON

The Upjohn Pill & Granule Co.
KALAMAZOO, Michigan, U.S.



Send for Price Lists
and Samples to
Lyman, Sons & Co.,
MONTREAL.

• SYRUP OF FIGS • •

The above is the trade name of the liquid laxative remedy manufactured by the CALIFORNIA FIG SYRUP COMPANY, of San Francisco, Cal., Louisville, Ky, New York, N.Y., U.S. A., and has been registered in the Canadian Patent Office.

SYRUP OF FIGS sells well and gives general satisfaction. It will be extensively advertised in Canada during the coming Winter and Spring.

☞ We offer it to the trade at \$6.00 per dozen, and it retails at 75 cents per bottle.

The remedy is a combination of the medicinal principles of plants known to be most beneficial for the purposes intended, and it is very pleasant to the taste, and gentle, yet effective in cleansing the system, dispelling colds, headaches and fevers, and permanently curing habitual constipation.

Your orders respectfully solicited.

Yours truly,

California Fig Syrup Co.,

San Francisco, Cal.

Louisville, Ky.

New York, N.Y.

PRICES CURRENT.

SEPTEMBER, 1893.

Acetum cantharides.....	lb	\$0 60
" colchici corm.....	lb	50
" ipecac.....	lb	40
" opii.....	lb	1 20
" scillae.....	lb	12
Acetanilid.....	lb	9 1/2 oz. 15
Acid. acetic glac.....	lb	40 Whr. qt. 35
" " fort.....	lb	12 carboy 10
" benzoic German.....	oz	15 lb 1.75
" " " ozs. Hwds		25 Bulk 20
" boracic.....	lb	18 pulv. 20
" butyric conc.....	oz	30 lb 3.75
" carbolic No. 5 Cal. gl	1 50	
" " common.....	gl	90
" " cryst.....	lb	40 10 lbs 35
" " 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	30
" citric.....	lb	65
" " pulv.....	lb	70
" gallic.....	oz	10 lb 1.25
" hydro-bromic dil.....	lb	45
" hydrochloric.....	lb	5 carboy 2 1/2
" " C.P. s.g. 1.19.	lb	25 Wins. 20
" hydrocyanic P. B. doz.		90 in 1 oz. 10c per oz.
" " Scheele's doz.	1 00	do 10c do
" hydrofluoric (in patent		1/2 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 8 1/2
" " C.P. s.g. 1.40.	lb	30 Wins. 25
" oleic pur.....	lb	45
" oxalic.....	lb	12 50 lb 10
" perchloric.....	oz	30
" phos. dilut.....	lb	17 Whr. qt. 14
" " cone S.G. 1.5.	lb	55
" " glac. pur stick	lb	1 20
" " syr s.g 1.750	lb	60
" picric.....	lb	75
" pyrogallic Schering's	oz	40 8 oz. 35
" pyroligneos.....	lb	10 gall 50
" salicylic.....	lb	2 00
" sulphuric.....	lb	4 carboy 2 1/2
" " C.P. s.g. 1.84.	lb	25 Wins. 20
" " pur Eug.....		Wins. 13
" " aromat.....	lb	65
" sulph. pur.....	lb	16
" sulphuros.....	lb	12
" tannic.....	lb	30 5 lb 75
" tartaric pulv.....	lb	40 10 lbs 38
" valerianic.....	oz	40
Aconitina exot.....	gr	4 60 gn. 3
Adeps benzoatus.....	lb	35
Ether S. G. 735.....	lb	40 Whr. qt. 35
" acetic.....	lb	55 ds 50
" butyric conc.....	oz	20 lb 2.50
" chloric.....	lb	65 Whr. qt. 60
" Anæsthetic tin 500 gms	1 50	each. }
" " 250 "	50	" Squibbs.
" " 100 "	40	" "
" " L. S & Co	1 lb tins 1.00 lb	
	1/2 lb tins 1 10 "	
	1/4 lb tins 1.20 "	
Alcohol brl.....	cash	3 85 { 10 gall 4.15 5 gall
" absolut.....	lb	1 25 Wr. 1 20
" methylated.....	gal	2 00 Brl. 1 75 cash
Aloes Barb opt.....	lb	30 10 lb 25
" " pulv.....	lb	35 do 32

Membray's

Kidney and

Liver Cure.

THIS preparation has jumped to the front, by virtue of its indisputable merit.

Stocked by all leading Wholesale Drug and Patent Medicine Dealers in Canada.

Testimonials furnished on application.

Membray Medicine Co.

of Peterborough, (Ltd.)

PETERBOROUGH, - - CANADA.



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. 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.



FOR SAMPLES AND LITERATURE, ADDRESS

THE ANTIKAMNIA CHEMICAL COMPANY,
Trade supplied by LYMAN, SONS & CO., MONTREAL.

ST. LOUIS, MO., U. S. A.
Is now on sale by the principal jobbers of Canada.

Exporters of **J. A. NEUS & SON, MAINZ.**

*Natural
Mineral
Waters.*

	Case.	CASIL. 5 Cases.
OBER SELTZER, qts., @	\$7 00	\$6 50
" " pts., @	5 25	5 00
LOSER JANOS, qts., @	7 00	6 60

In Stock at
LYMAN, SONS & CO.

DRUGGISTS' ATTENTION!

At this time of the year you cannot afford to be without "ANTI-MOTH" PAPER. A ready seller.

CHAPMAN'S IMPROVED
Anti-Moth Paper

The value of "ANTI-MOTH" PAPER as a protector of Woolen Goods, Furs, etc., from moths, has been fully proved by the increasing demand and sales each year.

Its success has of course brought many imitations into existence.

The **Genuine Anti-Moth Paper** is clean and will not soil the hands or the most delicate white Woollens and Furs.

It is pleasant in odor, and has the hygienic and medicinal properties of the Pine Tree.

It is **better and cheaper than Camphor** or any of its worthless imitations.

Retail Price,	.. .. .	10 cent packets, 3 for	25c.
Price per doz-n,	.. .. .	.. .. .	75c.
" gross,	.. .. .	.. .. .	\$7.50.
" 5 "	.. .. .	.. .. .	6.50 per gross.

Wholesale from **W. H. CHAPMAN,**
Manufacturing and Dispensing Chemist.

Kindly mention this Journal when ordering.

2637 St. Catherine Street, MONTREAL.

Aloes Cape.....	lb	15	10 lbs 13
" " pulv.....	lb	20	do 18
Aloes Socotrina.....	lb	60	do 55
" " pulv.....	lb	65	do 70
Aloin.....	oz	80	
Alumen lump.....	lb	3	brl 1½
" pulv.....	lb	4	brl 2¼
" chrom.....	lb	15	
" exsicc.....	lb	20	
Ammonii beuzoas, from gum	oz	25	lb 3.00
" bromid.....	lb	65	
" carb.....	lb	15	
" " kegs.....	lb	10	
" " pulv.....	lb	20	
" " resub.....	lb	55	c. b.
" 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 5.50
" molybdes.....	oz	25	
" monocarb.....	lb	35	
" nitras gran.....	lb	31	25 lb 30
" " crist.....	lb	35	25 lb 30
" oxalas pur.....	lb	75	
" phosph.....	lb	1	25
" salicylat.....	oz	40	lb 4.75
" sulphas com.....	lb	9	pur 25
" tartras.....	lb	1	60
" valerian.....	oz	40	
Amygd-la amara.....	lb	50	
Amyl nitras.....	oz	15	
" nitrite.....	oz	15	
" valerian.....	oz	35	
Amylum pulv.....	lb	9	cwt. 8
Annatto Hispan opt.....	lb	50	
" Fullwood ½ oz & 1 oz lb		1	00
Antim crocus pulv.....	lb	20	
" nigrum pulv.....	lb	12	50 lb 1
" oxid.....	lb	65	
" sulphurat precip.....	lb	50	
" tartarat pulv.....	lb	45	10 lb 42
Antikamnia.....	oz	1	30
Antipyrin Kuorrs'.....	oz	1	10 5oz 1.05 10-25oz 1.00
Apiol green.....	oz	65	
Apomorph hydroch.....	gr	4	
Aqua anethi.....	lb	10	
" 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
" floride.....	gl	5	00
" lauro-cerasi.....	lb	25	Whr qt 20
" mentha pip.....	lb	10	
" rosa.....	lb	25	Whr q' 20
" sambuci flor.....	lb	25	
Argenti chloridum.....	oz	2	50
" iodide.....	oz	2	50
" nitras cryst. L. B. & Co. oz		90	10.50 lb cash
" " fus (4 to oz)oz		1	00
" oxidum.....	oz	2	40
Aristol.....	oz cartoons	1	85
Arsenicum alb. pulv.....	lb	10	
" rub.....	lb	12	
Arsenici bromid.....	oz	40	
" iodid.....	oz	60	
Asphaltum exot.....	lb	13	100 lbs 11
Atropina pure.....	dr	1	00
Atropina sulphas.....	dr	75	oz 4.00
Auri chloridnm (15 gr).....	doz	3	60 L. B. & Cos. 4 50

PENNINGTON & Co.

... MANUFACTURERS OF ...

Fine Cigars



: : : OUR LEADING BRANDS : : :

Montero

Union Jaek

and **Kennel**



Montero Gigar Factory,

MONTREAL.

STEARNS

Wine of Cod Liver Oil

WITH PEPTONATE OF IRON.



An entirely new and original preparation which contains 25% of pure Cod Liver Oil, as represented by its active medicinal constituents, Morrhaine, Butylamine, Amylamine Iodine, Bromine and Phosphorus.

Modern investigation has proven that the value of Cod Liver Oil as a medicinal agent is not due simply to the fact of its being an oil, but to the valuable active principles which it contains, as noted above.

Each fluid ounce of the Wine contains four grains of Peptonate of Iron, the most readily assimilated and most valuable of all forms of Iron, it being partially predigested and free from alyptic properties.

Stearns' Wine may be used in all cases where Cod Liver Oil and Iron are indicated, and furthermore it is devoid of all the objectionable features hitherto attending the administration of Cod Liver Oil in any form.

Sold by all prominent Wholesale Drug-houses.

FREDERICK STEARNS & CO.,
MANUFACTURING PHARMACISTS,
DETROIT, MICH., WINDSOR, Ont.
AND NEW YORK CITY.

CANADA BRANCH:

The Maltine Manufacturing Company, New York.

Reed & Carnrick, New York.

The New York Pharmacal Association, Yonkers, N.Y.

The Arlington Chemical Company, Yonkers, N.Y.

R. L. GIBSON, 30 WELLINGTON STREET EAST, TORONTO

PRICE LIST SENT ON APPLICATION.

PRODUITS SPÉCIAUX

.... POUR

Injections Hypodermiques,

—PRÉPARÉS PAR—

J. MOUSNIER, DE SCEAUX, FRANCE.

Pharmacien de l'école Supérieure de Pharmacie de Paris.

Eucalyptol, Eucalyptol Gaiacolé, Eucalyptol Gaiacolé et
Iodoformé, Eucalyptol Créosoté, Eucalyptol Iodoformé,
Eucalyptol à l'Hélnine, Eucalyptol Phosphoré,
Phosphate de Soude, Ergotinine, Hypophosphite
de Strychnine, Quinine, Chlorure double de fer
et de Quinine, Salicylate de fer, Sparteine,
Menthol, etc., etc.

Injections Sequardiennes.

Suc Testiculaire.

Substance Grise.

Baccæ aurantii.....lb	25	
" capsici.....lb	25	pulv. 30
" cassia.....lb	30	pulv. 35
" cubebæ.....lb	35	
" " pulv.....lb	90	
" juniper.....lb	8	10 lb 7
" juniper pulv.....lb	12	10 lb 11
" xanthoxylon.....lb	50	
" pimentæ.....lb	12	
" " pulv.....lb	14	25 lb boxes 13
Balsam canad.....lb	45	Winch. 40
" copaibæ.....lb	75	Whr. qt. 70
" peruvian.....oz	20	lb 2.00
" tolut.....lb	60	
Barri carb pur.....lb	35	
" chlorid pur.....lb	25	
" hypophos.....oz	25	
" nitras exsic.....lb	20	
" nitrate C. P.....lb	35	
" sulphate pur.....lb	50	
" sulphide ".....oz	10	
Bath Pipe.....lb	40	
Bay rum St. D.....gal	3 75	sec. 2.75
Beberinæ sulphas.....oz	90	
Benzine refined.....gal	40	
Bismuthi carb.....lb	3 00	
" citras.....oz	20	
" et ammon-cit.....oz	35	lb 4.50
" salicylas.....oz	35	
" subiodid.....oz	50	
" subnitras.....lb	2 75	10 lb 2.50
" valerian.....oz	50	
Bismuthum (metal).....lb	3 25	
Bole armen.....lb	6	
Borax.....lb	11	keg 9
" pulv.....lb	12	do 10
Bromoform.....oz	40	
Cadmium.....oz	10	lb 1.20
Cadmii bromid.....oz	20	lb 2.25
" iodid.....oz	45	
" sulphas.....oz	20	
Caffeina pur.....oz	25	
" citras.....oz	25	
Cal'mina præparata.....lb	7	
Calai bromid.....oz	20	lb 2.50
" carb. præcip.....lb		V. Creta præcip.
" chlorid. cryst.....lb	25	
" " fusum pure.....lb	30	
" " fused crude.....lb	15	
" hypophosphis.....lb	1 40	
" lactophosph.....oz	15	lb 9 00
" nitras.....lb	75	
" phosphas præcip.....lb	20	
" sulphas.....lb	;	
" sulpho-carboles.....lb	2 50	
" sulphid.....lb	50	
" sulphis.....lb	18	pulv. 20
Calx chlorinata.....lb	5	keg 4 brl. 3½
" " in packets 1 lb	7, ½ 8, ¾ 9	
Camphora Amer.....lb	75	brl 70
" " cakes.....lb	80	csce 75
" Ang. Hd's.....lb	75	
" " " ozs.....lb	80	
" " " flowers,lb	80	
" Dutch.....lb	70	
Camphor monobromid.....oz	20	
Cantharides Russian.....lb	1 40	pulv. 1 50
" Chinese.....lb	—	do 75
Cantharidine.....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	Whr qt 15 drams 12
Carmino.....oz	40	lb 5.25
Caryophyllum, Zanzibar...lb	18	pulv 22

BELLADONNA PLASTERS.

Made with an idea of giving the exact effects of Belladonna quickly, surely, every time alike.

Made of standard extract of Belladonna Root, yielding an even amount of Atropia combined with Boracic Acid in an absorption producing base that softens the skin and frees the pores from clogging matter.

Penetration is aimed at

in all our plaster bases.

Belladonna Plaster as made by JOHNSON & JOHNSON, has been adopted by 400 hospitals and many thousands of physicians as the standard of excellence, as giving more immediately pronounced and uniform action than any other known.

Zona's Belladonna Plaster.

SPREAD ON SILK.

Sells to a trade that want the nicest form of Belladonna Plaster ever made.

Very Soft. Very Flexible.
Very Clean. Very Handsome.
Very Comfortable.

*Full List of J. & J.'s Goods
on application to . . .*

THOS. LEEMING & CO.,

25 St. Peter Street.

MONTREAL.



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. COODE, Proprietor,

Buffalo Lithia Springs, Va.

Caryophyllum, Amboya.... lb	25	
" Ponang lb	50	
Cassia fistula..... lb	30	
Castoreum..... oz	1 25	lb 16.00
Cera alba..... lb	05	sec 45
" " paraffin, opt..... lb	25	50 lb 20
" " " lb	18	50 lb 18
" flav opt lb	40	secs 85
" lithographers..... lb	50	
Corii oxalae oz	10	lb 1.20
Cotaceum lb	55	10 lb 50
Cetrar Iceland..... lb	16	
Chirata Indis..... lb	45	
Chloralamid oz.	35	
Chlorodyne Lyman's lb	2 00	
Chlorai Hydrate recryst..... lb	1 10	10 lb 1.00
Chlorof puro Smiths 1 lb g.s. ba. lb	90	Whr. qt 80
" D. F. & Co's pur..... lb	1 80	5 lb 1.75
" " meth..... lb	85	5 lb 80
" " blue label. lb	1 10	
" Merck 1 s lb	05	
" " 28-lb tins. .lb	55	
Cinchonidin sulph..... oz	16	Hds. 20
Cinchoninus murias..... oz	15	
" sulphas..... oz	15	
Cocaine hydrochlor crys.,.oz	7.50	½ oz 8.00 ½ oz 8.50
Cocculus Indicus... lb	10	pulv 20
Cocous cacti S. G..... lb	40	pulv 45
Codeina..... dr.	1 20	oz 7.50
" Sulp..... dr.	1 20	oz 7.50
Colchici corm..... lb	45	
Collodium lb	05	
" vesicans, P. B... lb	2 25	
" flexilo..... lb	05	
Colocythis Turo select.... lb	75	pulv 85
Confectio rosæ Gallic..... lb	50	
" rosæ..... lb	40	
Cortex aurantii Ang..... lb	70	
" " coml. lb	15	
" " opt. ¼s lb	20	
" canollæ..... lb	20	pulv 25
" cascara sagrada..... lb	25	
" cascarillæ..... lb	25	
" cassiæ..... lb	13	pulv 18, 25 lb box 18
" cinchon flav..... lb	90	pulv. 1.00
" " coml. lb	30	pulv. 35
" " rub quill...." lb	60	pulv. 70
" granat fruct....." lb	05	
" " radices....." lb	30	
" limonis ang opt....." lb	05	
" " com....." lb	16	
" mezerei....." lb	25	
" myricæ (bayberry)...." lb	20	
" pruni virginianæ...." lb	15	20 lbs 12
" quillaiæ....." lb	15	grd, 20 pulv. 25
" sassafras....." lb	15	pulv. 22
" ulmi....." lb	16	pulv. 16 grd 14
Cressot. Ang (Morson's).... oz	20	lb 2.25
" (Beechwood) Merck's lb	2 25	
" " French lb	2 75	
" white, from coal tar. lb	75	
Creta gallic..... lb	18	
" " pulv..... lb	5	hgs 3½
" præcip..... lb	10	keg 8
" præparata..... lb	5	50 lbs 4
Crecus stigmat amer..... lb	1 00	
" " Valent..... oz.	90	Alicante 75c oz.
Croton chloral-hydrate.... oz	50	
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 4½
" " recryst. lb	25	



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 GALB.

— 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. \$2.00	3 Doz. \$1.75	Gross. \$20.00
" " 50c	" 4.00	" 3.50	42.00
" " \$1.00	" 8.00	" 7.00	84.00
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. GOVERNTON & CO.,
 Cor. Bleury & Dorchester Streets.

**HUNT'S
SYSTEM**

SIMPLE. EFFECTIVE.

"Impossible to imitate by manipulation."

HUNT'S BOTTLE CAPS.

Nos.		GROSS.
0, 1, 2, 3,	for phials, ½ oz. to 2 oz.,	35c
10, 20, 30,	" " " " "	35c
3B, 4, 4B,	" " 3 " " 6 "	40c
5, 5B,	" " 8 "	45c
5½,	" " 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, CATTY & Co. (Ltd.)
Cressy 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,

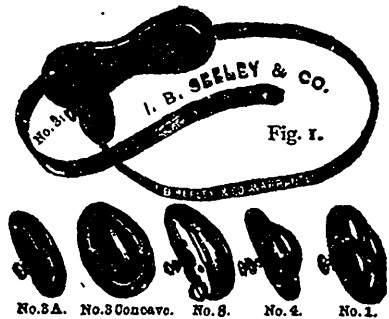
ALSO ALL KINDS OF

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, clean, 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 Vari-cose, etc. Book of 88 pages and 180 illustrations. Mailed on application.



Cuprum scales.....lb	40	
Currie powder.....lb	35	
Cusso ".....oz	10	
Damiana.....lb	30	
Dextrine, white.....lb	10	50 lb 8
" yellow.....lb	9	" 7
Diapente.....lb	30	
Diuretin "Knoll".....oz	2 00	
Dolichos pruriens pubes.....oz	60	
Elatarium.....dr	35	
Emplast. arnica.....lb	2 50	
" ammoniaci.....lb	85	
" belladonnæ.....lb	1 00	
" calefaciens.....lb	90	
" cantharidis.....lb	90	
" ferri.....lb	25	
" galbani.....lb	60	
" hydrargyri.....lb	70	
" opii.....lb	85	
" picis.....lb	25	
" plumbi.....lb	25	10 lbs 20
" resinæ.....lb	25	
" roborans.....lb	25	10 lbs 20
" saponis.....lb	25	
" vigo.....lb	70	
Ergota.....lb	90	puly. 1.00
Ergotinum Bonjean.....oz	75	
Ergotine Bonjean Gen. 30 gm	2 00	
Eserine sulph.....gr	15	1 grain tubes
" " 5 or 10gr. tube gr	12	
Ess. zingib fort.....lb	75	Whr qt 76
Eucalyptol.....oz	30	lb 4 00
Euonymin.....oz	90	
Europphen.....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
" anthemides.....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	25	lb 3.50
" cinchonæ flav.....oz	25	lb 3.50
" colchici.....oz	20	lb 2.60
" " acet.....oz	15	lb 2.00
" colocynth co.....oz	25	lb 3.00
" " pulv.....oz	20	lb 2.50
" 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	
" gentianæ.....lb	45	
" Filicis Maris ether.....oz	25	
" " pulv.....oz	25	lb 3.00
" hamamelis dest...gr	1 25	
" glycyrrh mol.....lb	0 75	
" " pulv.....lb	0 75	
" hellebor nig.....oz	25	
" hæmatoxyli.....lb	80	
" hyoscyam.....oz	20	lb 2.50
" " aquos.....oz	10	lb 1.00
" " pulv.....oz	25	
" " exot.....oz	15	lb 1.50
" ignatia amara.....oz	60	
" ipecac aestic.....oz	1 50	
" jaborandi.....oz	60	
" jalapæ.....oz	25	lb 3.50
" " pulv.....oz	35	
" krameria.....oz	25	lb 3.50

WEBSTER'S
INTERNATIONAL
DICTIONARY



Successor of the "Unabridged."
Ten years spent in revising, 100 editors employed, more than \$300,000 expended.
A Grand Educator
Abreast of the Times
A Library in itself
Invaluable in the household, and to the teacher, professional man, self-educator.
Ask your Bookseller to show it to you.
Published by
G. & C. MERRIAM CO., SPRINGFIELD, MASS., U.S.A.
Send for free prospectus containing specimen pages, illustrations, testimonials, etc.
Do not buy reprints of ancient editions.

TO THE TRADE.

PRICE LIST ♦ ♦

Green Mountain Preparations

Green Mountain Balm, . . .	\$2.00 doz.
" " Syrup, . . .	2.00 "
" " Sarsaparilla, . . .	7.50 "
" " Chocolate Worm Bon-Bons, . . .	2.00 "
" " May Apple Pills, . . .	2.00 "
" " Bitters, . . .	2.00 "
" " Worm Powders, . . .	2.00 "
" " Salve (Plasters) . . .	2.00 "

Terms, 4 months or 5% Cash.

THE CANADIAN CAPSULE CO
TORONTO
For General Excellence
SIZES & QUANTITIES
MANUFACTURERS OF
Empty
Crystal
Gelatin
Capsules
OUR CAPSULES ARE TRANSPARENT ELEGANT AND APPEARANCE UNRIVALLED ARE MANUFACTURED OF THE FINEST & BEST MATERIALS SAMPLES FREE
TRADE MARK
MANE BY THE CANADIAN CAPSULE CO TORONTO

N00	6 GRS DRY POWDER
N01	1/2 " DRY POWDER
N02	1/4 " DRY POWDER
N03	1/8 " DRY POWDER
N04	1/16 " DRY POWDER
N05	1/32 " DRY POWDER
N06	1/64 " DRY POWDER
N07	1/128 " DRY POWDER
N08	1/256 " DRY POWDER
N09	1/512 " DRY POWDER
N10	1/1024 " DRY POWDER
N11	1/2048 " DRY POWDER
N12	1/4096 " DRY POWDER
N13	1/8192 " DRY POWDER
N14	1/16384 " DRY POWDER
N15	1/32768 " DRY POWDER
N16	1/65536 " DRY POWDER
N17	1/131072 " DRY POWDER
N18	1/262144 " DRY POWDER
N19	1/524288 " DRY POWDER
N20	1/1048576 " DRY POWDER
N21	1/2097152 " DRY POWDER
N22	1/4194304 " DRY POWDER
N23	1/8388608 " DRY POWDER
N24	1/16777216 " DRY POWDER
N25	1/33554432 " DRY POWDER
N26	1/67108864 " DRY POWDER
N27	1/134217728 " DRY POWDER
N28	1/268435456 " DRY POWDER
N29	1/536870912 " DRY POWDER
N30	1/1073741824 " DRY POWDER
N31	1/2147483648 " DRY POWDER
N32	1/4294967296 " DRY POWDER
N33	1/8589934592 " DRY POWDER
N34	1/17179869184 " DRY POWDER
N35	1/34359738368 " DRY POWDER
N36	1/68719476736 " DRY POWDER
N37	1/137438953472 " DRY POWDER
N38	1/274877906944 " DRY POWDER
N39	1/549755813888 " DRY POWDER
N40	1/1099511627776 " DRY POWDER
N41	1/2199023255552 " DRY POWDER
N42	1/4398046511104 " DRY POWDER
N43	1/8796093022208 " DRY POWDER
N44	1/17592186044416 " DRY POWDER
N45	1/35184372088832 " DRY POWDER
N46	1/70368744177664 " DRY POWDER
N47	1/140737488355328 " DRY POWDER
N48	1/281474976710656 " DRY POWDER
N49	1/562949953421312 " DRY POWDER
N50	1/1125899906842624 " DRY POWDER
N51	1/2251799813685248 " DRY POWDER
N52	1/4503599627370496 " DRY POWDER
N53	1/9007199254740992 " DRY POWDER
N54	1/18014398509481984 " DRY POWDER
N55	1/36028797018963968 " DRY POWDER
N56	1/72057594037927936 " DRY POWDER
N57	1/144115188075855872 " DRY POWDER
N58	1/288230376151711744 " DRY POWDER
N59	1/576460752303423488 " DRY POWDER
N60	1/1152921504606846976 " DRY POWDER
N61	1/2305843009213693952 " DRY POWDER
N62	1/4611686018427387904 " DRY POWDER
N63	1/9223372036854775808 " DRY POWDER
N64	1/18446744073709551616 " DRY POWDER
N65	1/36893488147419103232 " DRY POWDER
N66	1/73786976294838206464 " DRY POWDER
N67	1/147573952589676412928 " DRY POWDER
N68	1/295147905179352825856 " DRY POWDER
N69	1/590295810358705651712 " DRY POWDER
N70	1/1180591620717411303424 " DRY POWDER
N71	1/2361183241434822606848 " DRY POWDER
N72	1/4722366482869645213696 " DRY POWDER
N73	1/9444732965739290427392 " DRY POWDER
N74	1/18889465931478580854784 " DRY POWDER
N75	1/37778931862957161709568 " DRY POWDER
N76	1/75557863725914323419136 " DRY POWDER
N77	1/151115727451828646838272 " DRY POWDER
N78	1/302231454903657293676544 " DRY POWDER
N79	1/604462909807314587353088 " DRY POWDER
N80	1/1208925819614629174706176 " DRY POWDER
N81	1/2417851639229258349412352 " DRY POWDER
N82	1/4835703278458516698824704 " DRY POWDER
N83	1/9671406556917033397649408 " DRY POWDER
N84	1/19342813113834066795298816 " DRY POWDER
N85	1/38685626227668133590597632 " DRY POWDER
N86	1/77371252455336267181195264 " DRY POWDER
N87	1/154742504910672534362390528 " DRY POWDER
N88	1/309485009821345068724781056 " DRY POWDER
N89	1/618970019642690137449562112 " DRY POWDER
N90	1/1237940039285380274899244224 " DRY POWDER
N91	1/2475880078570760549798488448 " DRY POWDER
N92	1/4951760157141521099596976896 " DRY POWDER
N93	1/9903520314283042199193953792 " DRY POWDER
N94	1/19807040628566084398387907584 " DRY POWDER
N95	1/39614081257132168796775815168 " DRY POWDER
N96	1/79228162514264337593551630336 " DRY POWDER
N97	1/158456325028528675187103260672 " DRY POWDER
N98	1/316912650057057350374206521344 " DRY POWDER
N99	1/633825300114114700748413042688 " DRY POWDER
N100	1/1267650600228229401496826085376 " DRY POWDER



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.

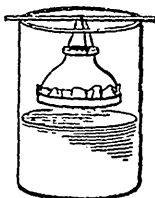
In Dysmenorrhœa, (congestive and spasmodic) amenable to internal remedies, the suppressed, irregular or painful menstruation is promptly relieved.

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.

**Chemical
 Apparatus**



Bohemian Glassware,
 OF ALL KINDS AND OF BEST QUALITY.
 Berlin Porcelain Crucibles,
 Evaporating Dishes, &c.

An Illustrated Priced Catalogue on application.

Lyman, Sons & Co., :: St. Paul Street, :: Montreal.

BIG G

CURES
In 1 to 5 Days.
GUARANTEED
 Not to cause stricture.
 Use two or three times a day with a 2-4 oz. cone point Syringe. Inject slowly and as far into the urethra as it will go.

Manufactured only by
The Evans Chemical Co.
 CINCINNATI, O.
 U. S. A.

TRADE MARK:

INJECTION "G"

Outsells all Similar preparations Combined.

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

CONORRHOEA 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	} 5% Cash.
3 " " " @ 8.25	
6 " " " @ 8.00	

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

Extract lactucæ.....oz	30	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	40	
" 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 soluble.....lb	65	
" et ammonii citras...lb	65	
" 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 strych. cit., oz	35	
" " " Hd's, oz.	40	
" et strych. citras 1%.....oz	14	10 oz 13 lb 1.75
" hypophosphis.....oz	20	lb 2.50
" iodide.....oz	40	
" lactas.....lb	75	
" perchlorid.....lb	35	
" phosphas.....lb	85	
" pyrophosph.....lb	80	
" sulphas commerel...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	75	
" 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	1 75	
" " white.....lb	75	
Folia aconiti.....lb	25	pulv. 40
" belladon.....lb	25	pulv. 35

STRENGTH.
 STRICTLY PURE.

PEROXIDE
 - OF -
HYDROGEN
 MANUFACTURED BY
A. PEUCHOT,

By a special process, for Medicinal and Surgical purposes.

Peuchot's Peroxide of Hydrogen has been recognized by the most eminent Chemists, Physicians and Surgeons as the purest and most reliable product on the market. Adopted in more than twenty Hospitals of New York, including Bellevue Hospital.



IMPORTANT NOTICE.

If the Ozone test is applied to A. Peuchot's Peroxide of Hydrogen, viz.: Starch and Iodide of Potassium paper, it will show a blue reaction, much deeper than any similar preparation.

A. PEUCHOT,
 Manufacturing Chemist,
 112 114 WOOSTER ST., NEW YORK.

WHOLESALE AGENTS:
 Established 1800.
LYMAN, SONS & CO., } MONTREAL.
 Wholesale Druggists.


STABILITY.
 NON-IRRITANT.

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

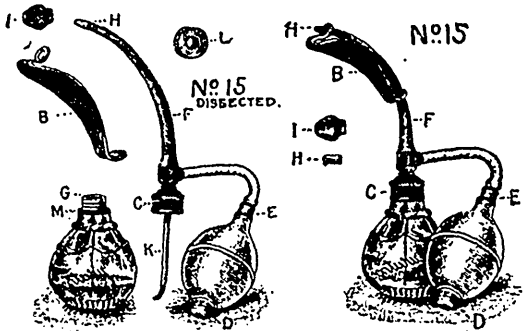
Armour & Company
Chicago.

Folia buchu.....lb	25	
" cocca green.....lb	75	
" conii.....lb	20	pulv. 35
" digitalis.....lb	20	pulv. 35
" eucalypti glob.....lb	13	
" hyoscy. exot.....lb	25	powd. 40
" jaborandi.....lb	70	
" maticæ.....lb	40	
" 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	27	10 lbs 25
" " pulv.....lb	30	" 28
" carui.....lb	12	" 11
" " canad.....lb	11	" 10
" carui pulv.....lb	18	
" conii.....lb	30	
" coriandri.....lb	10	bag 7½
" " pulv.....lb	18	
" foeniculi.....lb	15	pulv 20
Fuller's earth.....lb	4	100 lb 3
" " pulv.....lb	6	100 lb 5
Gallæ cœrulæ.....lb	28	bag 25
" cœrulæ pulv.....lb	30	grd 28
Gelatine, black label.....lb	35	10 lb 30
" bronze label.....lb	40	" 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	80	
" carb.....oz	1	75
Guarana pulv.....lb	3	00
Gum acacia turc elect.....lb	65	
" " med.....lb	50	
" " sorts.....lb	35	
" " pulv.....lb	75	
" ammon in guttæ.....lb	50	
" asafoetid. opt.....lb	45	
" " pulv.....lb	40	
" benzoin opt.....lb	75	
" cat. chu nig.....lb	12	20 lb 11 pulv 25
" c. techu pallid cubes..lb	16	10 lb 15
" copal.....lb	75	
" damar.....lb	30	
" elemi.....lb	45	
" euphorb. pulv.....lb	40	
" galban.....lb	3	50
" gambogia.....lb	1	05 pulv 1 20
" guaiaci.....lb	85	Sec. 50 pulv 60
" juniper.....lb	45	
" kino.....lb	1	10 pulv 1 20
" mastiche select.....lb	1	25
" myrrh. turc opt.....lb	70	
" " " sorts.....lb	45	pulv 65
" olibani.....lb	25	
" zang. dracenis.....lb	45	reed 90
" " " pulv.....lb	75	
" scammon. aleppo.....lb	6	50
opt. (pulv).....lb	3	75
" " resin.....lb	3	75
" seedlac.....lb	40	
" shellac, orange.....lb	40	
" " bleached.....lb	40	50 lb 35
" spruce.....lb	30	10 lb 25

ANATOMY OF THE CENTURY · ATOMIZER

No. 15.

For Spraying either Oil or Water.

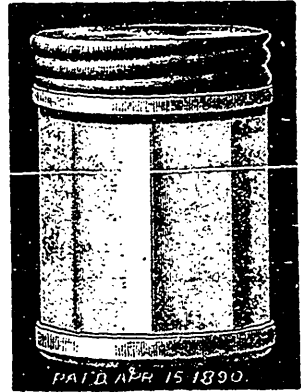


F—5-in. Tapered Throat Tube, screws on bottle G at C.
 B—Tongue Depressor, slips on tube at H. F.
 I—Slip Nasal Cone, fits on tube at H.
 D—Improved Valve Chamber, containing Aluminum Valves.
 L—Washer, fits on bottle at M.
 K—Soft Rubber Feed Tube.
 H—Tip for Spraying Oils.

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.
 LYMANN, KNOX & CO.
 KEARY, 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.

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,

ADVERTISING MATTER ON APPLICATION.

TORONTO, ONT.

Gum sterax liquid	50	
" thus.....lb	15	
" tragacanth Ribbons..lb	90	
" " Aleppo opt lb	75	
" " " No.2.lb	60	
" " pulv. opt..lb	90	
Gum cotton.....	70	1 oz box
Homatropine Hydrobrom..gr	30	
Humulus lupulus.....lb	20	assorted packages
Hydrarg. bicianid.....oz	30	
" bisulphate.....lb	90	
" iodid rubr.....oz	40	lb 4.50
" " virid.....oz	25	lb 3.50
" oxyd. flav.....lb	1 50	
" " rubr.....lb	1 10	
" perchlor.....lb	90	pulv. 1.00
" subchlor.....lb	1 00	
" sulph flav.....lb	1 50	
" " alb.....lb	30	
" " c sulph.....lb	1 00	
" tannas.....oz	35	
" ammon.....lb	1 20	
" c. creta	60	
" oleas.....5%/lb	55	
" "10%/lb	65	
" "20%/lb	80	
Hydrargyrum.....lb	30	10 lb 75
Hydrastinine mur....gramme	1 50	
Hydrochinone.....oz	40	
Hydrogen peroxid, Peuchot's.1 lb		doz 8 00
" " " 1/2 lb		" 6 00
" " " 1/4 lb		" 4 50
Hyoscyamine.....gr	25	sulph gr 35
Ichthyoe. inc. Brazil.....lb	2 40	
" " " oz packets	2 25	dozen
" " Russian....lb	5 25	
Ichthyol, Merck's	50	1/2 lb 7.50 lb
		3/4 lb 7.25 lb
		1 lb 7.00 lb
Indigo Madras opt.....lb	75	sec 65
" " pulv.....lb	90	
" Paste.....lb	20	
Insect powder Dalmatian...lb	35	25 lb 28 56 lb 27
Iodoformum.....oz	45	lb 6.00
" praecep.....oz	45	lb 6.00
Iodol.....oz	1 40	
Iodum crude	30	lb 4.50
" resub.....oz	40	lb 5.00
Jalapin ang.....oz	1 00	lb 13.50
Kamala.....lb	60	
Koussou	10	
Kava Kava	90	
Lactopeptin ozs.....doz	8 50	
" 1/2 lbs.....lb	10 50	
Lactucarium ang.....oz	70	
Lanolin.....lb	35	
Lapis calam. prep.....lb	7	
" pumicis select.....lb	8	ordinary 6
" " pulv.....lb	7	100 lb 5
Leptandrin.....oz	45	Keiths 50'
Lichen Hibern opt.....lb	20	Sec 15
Licorice Corig	35	
" Solazzi	45	
" Zurvia.....lb	30	
" Y & S.stick.....lb	35	
" Pellets, Y. & S..lb	40	
" " M. & R...lb	40	
Lignum guaiaci rass. ....lb	7	
" quassim incis.....lb	10	50 lb 9
" sant. flav. grd....lb	65	Rub 10
Linimentaconiti.....lb	90	Whr. qt. 80
" belladon.....lb	95	" 35
" camph.....lb	55	
" camph comp.....lb	60	Whr. qt. 55
" iodi.....lb	1 50	

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 style="text-align: center;">MUNN'S</p> <p style="text-align: center;">... CELEBRATED ...</p> <p style="font-size: 1.5em;">Liquid Fish Glue</p> <p style="text-align: center;">— IS THE —</p> <p style="text-align: center;">STRONGEST GLUE KNOWN.</p> <p>Packed in 1 oz. and 2 oz. Bottles,</p> <p>. Also, ½ Pint, Pint, Quart and Gallon Tins.</p>	<p style="text-align: center;">MUNN'S</p> <p style="text-align: center;">NEWFOUNDLAND</p> <p style="font-size: 1.5em;">Cod Liver Oil</p> <p style="text-align: center;">FROZEN and STRAINED.</p> <p style="text-align: center;">Pure and Free from all Sediment.</p> <p style="text-align: center;">Far Superior to NORWEGIAN</p>
<p>— SEND FOR SAMPLES —</p>	
<p>S. MUNN & CO., 22 ST. JOHN STREET, MONTREAL.</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	45	
“ “ c pot iod..lb	90	
“ terebinth.....lb	30	
Liquor ammon. acet conc...lb	35	
“ ammon fort a. g. 880lb	12	12 Whr. qts. 9
“ 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. 35 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
“ potassa.....lb	7	
“ santal flav comp....lb	1 50	
“ sodii chlor.....lb	16	
“ strychnine.....lb	5 1/2	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	carboy 9
“ Dutch.....lb	12	1/2 lb 10
Magnes citr. gran. Bishop..lb	20	7 lb 75
“ “ Lyman. lb	35	
“ calcined .....lb	50	
“ “ “ bots	65	
Magnesii 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
Maltopepsin 1/2 lb bots....lb	5 85	
“ bots.....doz	6 35	
Mangan chlorid.....lb	50	
“ oxyd. nigr.....lb	10	brl. 7 1/2
“ sulph. pur.....lb	60	
Manna flak select.....lb	1 75	
Maranta Bermuda.....lb	45	10 lb 42
“ Jamaica.....lb	15	
Mel. canadensis.....lb	15	10 lb 14
Menthol.....oz	35	lb 4.50
Morphinæ acetos.....oz	2 15	10 ozs. 2 00
“ hydrochloras.....oz	2 15	“ 2.00
“ sulphas.....oz	2 25	“ 2.10
Moschus, in grain..... dram.	5 50	(in 1/4th oz phials 25c oz extra 4.50 3.50)
Naphtha mineral.....lb	50	
Naphtha vegetable.....lb	60	
Naphtaline resublimed.....lb	50	
Naphthol Beta.....oz	10	lb 1 .40
Nickel sulph cryst.....lb	75	
“ ammon. sulph.....lb	35	
Nux. areca select.....lb	20	pulv 35
“ myristics (limes).....lb	90	pulv 1.00
“ “ opt. (unalimed)lb	1 00	
“ vomica.....lb	12	pulv 25
“ Kola.....lb	50	
Ol. absinth.....oz	40	lb 4.75
“ amygd. dulc.....lb	50	Whr. qt. 45
“ essent. sine acid		
“ pruss.....oz	50	
“ anethi Ang.....oz	35	lb 4.50
“ anisi.....lb	2 75	Whr. qt. 2.50
“ anthem Ang.....oz	2 00	
“ aurantii.....lb	3 25	Winch. 3.00
“ bergam super.....lb	4 00	

ESTABLISHED 1859.

HENRY R. GRAY,

Pharmaceutical Chemist,

122 ST. LAWRENCE MAIN STREET 122

(Corner of Lagachetiere)

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 Pearlina,"— An excellent antiseptic toothwash.

Gray's "Sulphur Pastilles" for burning in diphtheritic cases.

The Ideal Food for Infants

MILK GRANULES

because it is practically identical in composition, taste and appearance with

Mother's Milk.

It digests thoroughly without causing an undue tax on the vital energies of the infant's stomach.

.. Ask for ..

JOHNSTON'S FLUID BEEF

The Great . . Strength-Giver.

--If you need a Tonic--

Staminal

It not only stimulates, but builds up and strengthens. You get a tonic and a food combined in the form of

Palatable Beef Tea.

Beware
of
Imitations.

POUDRE SUPERFINE
À la Violette
LUBIN
Parfumeur-Distillateur,
PAUL PROT & C^o. 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.

Samples, (equal to 5 cups)	\$0 35 per doz.	Retail at \$0 05
¼ lbs. (equal to 25 cups)	2 00	" " 0 25
½ lbs. (equal to 50 cups)	3 50	" " 0 50
Lbs. (equal to 100 cups, or 4½ galls W.M.)	6 75	" " 1 00

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'FG' 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 whole
sale houses.

Ol.	buchu.....oz	3 00	
"	cadi.....lb	35	Whr. qt. 30
"	cajeputi.....oz	10	lb 1.00
"	carui.....lb	2 50	
"	caryoph.....lb	1 25	
"	cassia.....lb	1 50	
"	cedri opt.....lb	75	Whr. qt 70
"	chaulmoogra.....oz	20	
"	cinnamomi ver.....oz	1 60	
"	citronella.....lb	30	bot. 70 lb
"	cocoanut.....lb	15	
"	cognac.....oz	1 50	
"	Cologne.....oz	60	
"	coni.....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	
"	foenicula dulc.....lb	1 50	
"	gaulther.....oz	25	lb 3.00
"	geranii rosa.....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 ang.....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 25	Whr. qt. 4.00
"	" " English.....oz	1 00	lb 14.00
"	" " Japan.....lb	3 30	
"	" " virid.....oz	25	lb 3.50
"	morrua Newf.....gl	90 to 1 60	brl. 85
"	" " Norweg.....gl	1 25	brl. 1 10
"	" " Nfld. by Nor- } weg. process }	kegs 18 gals 90 gal 1 10	
"	myrbane.....lb	30	Whr. qt. 25
"	myristica.....oz	30	bot. 25
"	neatsfoot, pale.....gl	1 25	
"	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
"	palmæ select.....lb	15	
"	patchouli.....oz	1 25	
"	petit. gran.....oz	75	Sec. 50
"	pica.....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
"	rutæ.....oz	25	
"	sabiu.....lb	1 30	
"	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	cask 1.25
"	sinapis essent.....oz	65	lb 8.50
"	sperm.....gl	2 00	



Queen's Hair Helper

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

5 gross, \$16.00 1 gross, \$18.00 Doz. \$2.00

A. D. MANN,

Chemist and Druggist, - - MONTREAL.

Rheumatism Quickly Cured

—BY—

DR. NELATON'S 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.

LICORICE

HIGHEST AWARDS:

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



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

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

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	65	Whr. qt. 60
" tanacet. opt	oz	30	lb. 4.25
" terebinthina	lb	50	
" " coml.	gl.	65	brl. 58
" theobromatis	lb	55	(tablets)
" valerian	oz	1	00
" verbena	oz	10	bot. 9
" vini	oz	25	lb 3.50
" ylang-ylang	oz	7	50
Opium Turc.	lb	5	00
" " pulv.	oz	40	ib 6.00
Os sepia	lb	25	select 40 pulv 35
Otto rose Doupsi	oz	6	00
" virgin	oz	8	50
Pancreatine, Morson's	oz	1	00
" Merck's	oz	3	5
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
" Bondault'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 Barbadens.	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
Phenacatine Bayer	oz	55	lb 7.50
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 Bayer, 1/2 oz bottle.	oz	5	50
" tablets	10x16 gr	2	40 each
Piper alba	lb	20	pulv 22
" Cayenne	lb	25	10 lb 20
" nigrum	lb	17	pulv 19 25 lb 17
Pix Burgund bladders	lb	10	20 lb 9
Plumbi acetas 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 7 1/2 (litharge)
" rub.	lb	8	keg C (red lead)
Podophylin resin	oz	35	
Potassa caustica sticks	lb	60	
" sulphurata	lb	35	
Potassii acetas	lb	45	gran 50
" bicarbonas	lb	16	
" " pulv.	lb	17	
" bichromas	lb	15	keg 12 1/2
" bincafatas	lb	23	10 lb 22
" " pulv.	lb	25	10 lb 23
" bitart	lb	30	keg 24 brl 28
" bromid.	lb	55	5 lb 50
" carbonas	lb	14	10 lb 12
" " pearl ashes ..	lb	10	100 lb 9
" 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	

BRANDIES

From

COUTANSEAU AÎNÉ,

COGNAC, FRANCE.

Geo. Laffont & Co.

.... BRAND

In stock at

Lyman, Sons & Co.

MONTREAL.

DICK'S UNIVERSAL MEDICINES

— 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, scurvy, loss of oad, horn distemper, black tongue, &c., and also will backon the hooves, 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

STANDARD

"CRYSTAL" PEPSIN PREPARATIONS

PEPSIN in Scales or Crystals } For the special use of the
and the same Powdered } 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

Jensen's Pepsin (both Crystal and Tablet form) is widely known, largely advertised and ready selling. It has long been the standard, because giving the best practical satisfaction, owing to intrinsic value and uniform quality. So far as the digestive power of Jensen's Pepsin is concerned, the many tests of it made by the highest authorities, and published extensively, prove its high power.

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.

CARL JENSEN & CO., 100 Maiden Lane, NEW YORK

Sole Agents for Canada: **LYMAN, SONS & CO., MONTREAL.**

Vichy Water

(SOURCE DUBOIS)

Rue de Nimes, 126 Vichy, (Opposite Celestins)

Authorized and controlled by the State.

Approved by the Academy of Medicine, Paris.

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.

For Sale at all Druggists and Mineral Water Merchants.

General Agents for Canada ::::

A. BRISSET & SON,

GUARANTEED GENUINE.

MONTREAL.

BOTT'S MALT PREPARATIONS.

Pure Malt Stout
 and Wine of Malt

Recommended strongly by prominent Physicians all over the Country.

FOR SALE BY ALL DRUGGISTS.

Obtainable Wholesale from Messrs. LYMAN, SONS & CO. at the following prices:

Pure Malt Stout, \$1.60 per doz
 Wine of Malt, \$2.60 "

WALTER R. WONEHAM & SONS,
 Agents.

Potassii 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		
" sulphas.....lb	12		pulv 13
" sulpho-cyanid.....oz	15		
" sulphocarb.....lb	1	90	
" sulphuret.....lb	35		
" tartras.....lb	30		
Potassium.....oz	3	00	
Propylamine.....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	20	
" " " c. opio.....lb	1	50	
" " comp.....lb	50		
" " " c. opio.....lb	75		
" cretæ c. camph.....lb	25		10 lb 20
" glycyrrh comp.....lb	30		
" ipecac comp.....lb	1	10	
" jalap comp.....lb	75		
" kino comp.....lb	1	25	
" rhei comp.....lb	75		
" sapo cast.....lb	25		
" " " alb.....lb	35		
" scammon comp.....oz	30		
" seidlitz Howards.....lb	25		7 & 14 lb
Quininæ bisulph.....oz	50		
" bromid.....oz	75		
" citras.....oz	80		
" hydrochlor.....oz	60		
" iodid.....oz	90		
" phosphas.....oz	75		
" salicylas.....oz	65		
" sulph German.....oz	35		100 oz 24 25 oz 25
" " Howard'.....oz	40		100 oz 36
" " " 4 oz.....oz	38		
" tannate.....oz	50		
" valerian.....oz	75		
Rad. aconiti.....lb	20		
" " contus.....lb	25		pulv 30
" anchnsæ.....lb	20		
" angelicæ.....lb	30		pulv 35
" arctii (burdock).....lb	15		
" belladon.....lb	18		contns. 30
" calama. aromat.....lb	30		
" calumb.....lb	20		pulv. 20
" curcumæ Madras.....lb	19		" 12
" galangal minor.....lb	15		
" " pulv.....lb	25		
" gentian, select.....lb	10		
" " ground.....lb	12		
" " pulv.....lb	15		
" 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	18		keg 14 br. 13
" ipecac.....lb	2	75	
" " pulv.....lb	2	85	
" iridis Florentine.....lb	50		
" " " pulv.....lb	60		

MANSELL'S "CREOSINE,"

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.

Authorized by H. M. Board of Trade, and H. M. Government of India.

The Best Known Insecticide.

Kills Fleas, Lice, Ticks on Animals
. . . . Destroys all Insect Pests in Gardens.

MANSELL'S

Non-Poisonous Hop Vine and Tree Wash
FOR FRUIT, ROSE AND OTHER TREES.

MANSELL'S

Non-Poisonous Stainless Sheep Dip.
ONE GALLON will wash 100 Sheep for \$2.00

For Pamphlets, Testimonials, &c., apply to

W. MANSELL & CO.,
476 St. Paul Street, : : MONTREAL.

"CREOSINE" used throughout the Montreal Exposition.
of 1891 and 1892.

Diplomas and First-Class Certificates awarded.

**Father Matthew Remedy,
Dr. Sey's Remedy,
Audette's Hair Promoter,
Indigenous Bitters,
Persian Lotion**

— AND **Capilline,**

For Sale by all Druggists.

S. LACHANCE

Proprietor,
MONTREAL.

Laboratory for the United States :

ROUSE'S POINT, N.Y.

Parfumerie du Monde Elegant.

DELETTREZ

Established 1853. 15 and 17 Rue d'Enghien, PARIS.

**Incomparable Perfumes, Toilet Soaps, Toilet Powders
Hair Tonics, etc.**

**AMARYLLIS du JAPON,
Heliophar d'Arabic,
Peau d'Espagne Royale,
Violettes Blanches de Sibérie.**

These odors are the perfection in the art of Perfumery and are put up in artistic style—no finer Holiday Goods attainable.

ARMBRECHT'S

COCA WINE

is an aid to intellectual exertion, and is indispensable to brain-workers and others who suffer from mental depression, insomnia, and dyspepsia. "A powerful rejuvenator."

MEACHER'S

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, or capsules.

AT ALL DRUGGISTS.

"THE BEST OF AMERICAN"

PLANTEN'S CAPSULES

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, WINTERGREEN, APIOL, MALE FERN, ETC.

Planten's Sandal

ARE CELEBRATED THE WORLD OVER.

EMPTY CAPSULES

For Powders, 8 Sizes; Liquids, 8 Sizes; Rectal, 3 Sizes; Vaginal, 9 Sizes; Horses and Cattle, 6 Sizes; Veterinary Rectal, 3 Sizes.

Capsules for Mechanical Purposes.

SPECIAL RECIPES CAPSULED. NEW KINDS CONSTANTLY ADDED.

Send for Formula Lists of over 250 kinds.

SOLD BY ALL DRUGGISTS.

BEWARE OF SUBSTITUTION.

Rad. jalapæ	lb	45	
" " pulv.....	lb	55	
" krameria.....	lb	30	
" pareira brava.....	lb	40	
" pyrethri.....	lb	35	
" rhei E. I. opt.....	lb	1 25	cubes 1.00
" " " sec.....	lb	75	
" " " elect opt.....	lb	2 25	fing'rs 1.50
" " " pulv elect opt.....	lb	2 50	
" " " E. I. opt.....	lb	i 25	
" " " " sec.....	lb	80	
" sanguinaria.....	lb	14	pulv 16
" sarsæ Hond.....	lb	45	incis 50
" " Jam.....	lb	70	" 75
" " Mexican.....	lb	18	20 lb 16
" scilla sicc.....	lb	12	
" " pulv.....	lb	30	
" senega.....	lb	75	
" spigelia.....	lb	45	pulv 65
" sumbul.....	lb	90	
" taraxac sicc.....	lb	18	10 lb 15
" tormentilla.....	lb	25	
" " pulv.....	lb	35	
" zingib. Afric. u. b.....	lb	16	20 lb 15 bag 13
" " " pulv.....	lb	18	30 lb 16
" " " Jam. u. b.....	lb	25	bri 23
" " " bleached.....	lb	30	10 lb 28
" " " pulv opt.....	lb	30	10 lb 23
" " " " sec.....	lb	25	
Resin flav.....	lb	4	bri 4.00 280 lbs.
" " pulv.....	lb	5	50 lb 4
Resorcin xtls.....	oz	25	lb 3.00
" resublim.....	oz	50	
Rhizoma arnica.....	lb	30	contus 40
" cimicifuga.....	lb	15	
" podophylli.....	lb	14	
" serpentaria.....	lb	55	pulv. 90
" valeriana.....	lb	15	pulv. 22
Ronge—Jewellers.....	lb	65	
Saccharine.....	gram	20	oz 1.20
Sacch. lactis pulv.....	lb	35	
Sago perlat. parv.....	lb	6	bag 5½
Sai prunellæ glob.....	lb	20	
Salicinum.....	oz	20	lb 2 75
Salol.....	oz	40	
Salophen.....	oz	1 60	
Santoninum.....	oz	20	lb 2.75
Sapo Castile Alb Contis.....	lb	16	box 15
" " " Shell.....	lb	12	" 10
" " " Virgin.....	lb	12	" 10
" " " " cakes box.....	5 00		
" " " Mottled opt.....	lb	12	box 11
" " " com.....	lb	10	" 9
" " " cakes gross.....	4 75		
" mollis ang.....	lb	10	20 lb 8
" " German Green.....	lb	35	
" " Green opt.....	lb	55	
Scammonia resin pulv.....	lb	3 75	
Scoparii cacumin.....	lb	25	
Secale Cornut.....	lb	75	
Sem canary.....	lb	6½	bag 6
" cardam.....	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 bri 5
" hemp.....	lb	5	bag 4½
" hyoscyam.....	lb	60	
" jambul.....	oz	20	



PENNYROYAL
WAFERS

33 1/3 %
PROFIT.

6 YEARS in Canada and United States, and sales largely due to their merit. Often imitated. Costs you \$8.00 per dozen. We desire to establish and advertise local druggists as agents; quick sales and profit thus insured to such agencies. Get this advantage for yourself by writing to the SOLE MANUFACTURERS, EUREKA CHEMICAL CO., DETROIT. No duty to pay.

THE FINEST OF ALL

French Perfumes

—AEE—

ROGER & GALLET'S
PARIS

Grand

Prix.

Exposition Universelle, . . . Paris, 1889



PARIS EXPOSITION 1889... HORS-CONCOURS

MEMBRE DU JURY

GELLE FRERES

PARFUMEURS CHIMISTES,

6, Avenue de l'Opera, PARIS

PARFUMERIE PARIS-CAPRICE

PARFUMERIE REGINA

PARFUMERIE A LA GLYCERINE

EXTRACTS DOUBLES ET TRIPLES



Prescription Ware - 5

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.

Sem. lini sifted.....lb	4	brl. 8½
" lini crushed.....lb	5	brl. 3¾
" " " No. 2.....lb	4	brl 8½
" " " No. 3.....lb	3½	brl. 3¾
" lobelia inflata..... lb	50	pulv 55
" maw.....lb	15	10 lb 14
" millet.....lb	6	keg 5
" pumpkin.....lb	25	
" rapii.....lb	8	bag 7
" santonica.....lb	18	pulv. 28
" sinapis alb.....lb	12	
" 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 1 50
" bicarb. pulv Morson's lb	10	
" " " Hd's..... lb	18	14 lb 15
" " pulv. coml... lb	4	keg 2-75
" bisulphis.....lb	25	
" bisulphas.....lb	30	
" bromid.....lb	65	
" carb. recryst..... lb	15	
" carbo'as 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 xtls.....lb	15	
" solut conc.....lb	10	
" sulphas.....lb	3	brl. 1½ Hds 5 [brl. 4.
" " exsicc. pulv..lb	15	
" " pur recryst...lb	30	
" sulphid.....lb	60	
" sulphis.....lb	7	pulv. 8
" sulpho carboas.....lb	1 10	
" valerian.....oz	50	
Sodium.....oz	1 50	
Sol. acid osmic 1%.....oz	40	
" cocain 4%.....oz	60	
" nitro glycerin 1%.....lb	1 25	oz 2.00
Sparteïn sulph.....dr	45	
Spice pickling.....lb	40	
Spt. ætheris comp.....lb	60	
" " nit S. G. 845..lb	65	Whr. qt. 60
" ammon. arom.....lb	60	" 55
" " foetid.....lb	85	
" camphor.....lb	70	" 65
" chlorof. S. G. 871.....lb	70	" 65
" cinnam.....lb	2 00	
" menthes pip..... lb	1 10	
" methylated.....gl.	2 00	Brl. 1.75 cash
" myristica.....lb	90	
" rectificatus 85 o/p.....gl	4 25	5 gl. 4.20 in a/c.
" " " Brl	3 85	cash.
" vini gall.....gl	4 75	opt. 6 50
Spongia usta.....lb	2 50	
Stanni chlorid. crist.....lb	40	
" oxid (putty-powder).lb	60	
Stannum gran.....lb	50	
Stearin.....lb	15	
Strontii nitras exsicc.....lb	20	10 lb 18
" chloridum xtls.....lb	30	
Strychnina cryst.....oz	1 00	10 oz 90
" sulph.....oz	1 20	in ½ oz bots }
Styrax liquid.....lb	50	25 extra }
Succus conii.....lb	75	

Have you ADAMS' TUTTI FRUTTI?

It pays the dealer to keep the most popular Chewing Gum, because it sells faster than all others and satisfies the customer better than any other. ADAMS' TUTTI FRUTTI CHEWING GUM has this double advantage.

Have you Adams' Tutti Frutti in stock?

WAMPOLE'S  Now in stock at all Wholesale Druggists.

Granular Effervescent Bromo-Pprine,
 Large size, \$9.00 doz. Small size, \$2.25 doz.
 (Trade Mark) Medium " 4.75 " Sample " 8.50 gros
 1 lb. Bottles, 2.37 lb.

Comp. Syr. Hypophosphites, \$8.50 PER DOZ. 5 PINTS. **\$3.17**
Tasteless prep'n Cod Liver Oil, 8.50 **3.17**
Syrup Hydriodic Acid **8.50**
Hypno-Bromie Co. (True Hypnotic)
 1 lb. Bottles, **\$25.67** Doz.
 ½ " " **12.64** "
 ¼ " " **7.37** "

Tasteless preparation Cascara Bark,
 12 oz. Bottles, **\$7.00** Doz.

Asparoline Compound..... **8.50** "
Alvinine Suppositories, Per Doz. Boxes (Adult Size) **\$4.00**
Per Doz. Boxes (Children's Size) **2.75**

Glycerine Suppositories, Per Doz. Boxes (Adult Size) **3.17**
(In a new and original Package) Per Doz. Boxes (Children's Size) **3.17**

White Pine Com., 5 pt. bottles **2.65**
 Per dozen **6.85**

PREPARED SOLELY BY

HENRY K. WAMPOLE & CO.,

Manufacturing Pharmacists,
PHILADELPHIA, U.S.A.

CANADIAN BRANCH:
36 & 38 LOMBARD ST., TORONTO

DR. S. A. RICHMOND'S TRADE-MARKS.

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,

TUSCOLA, ILLINOIS.

Formerly located at St. Joseph, Mo.

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.

Richmond's Samaritan Nervine

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 an 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.

Richmond's Radical Regenerator,

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 pharmacopia 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, relieve the head of dandruff, stops the hair falling out and is one of the best hair dressings known. Price, \$1.00.

Richmond's Eye Salve,

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.

Richmond's Rheumatic Resolvent

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 Salve.....	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.

Succus limæ fruct W. I....gl	90	brl. 80
" rhamni.....lb	25	
" scoparii.....lb	70	
" taraxaci.....lb	65	
Sulphonal—Bayer.....oz	40	lb 5.25
Sulphur Læc.....lb	12	10 lb 11
" præcip (B. P.)....lb	20	10 lb 18
" rotund.....lb	3	brl 2½
" sublim.....lb	4	bag 110 lbs 2¾
" vivum.....lb	6	10 lbs 5
Sulphuris iodid.....oz	40	
Syrup aurant.....lb	20	
" codeinæ.....lb	50	
" ipecac.....lb	45	
" ipecac comp.....lb	50	Whr. qt. 45
" lactucari.....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
" rhœadæ.....lb	30	
" sarsæ co.....lb	35	
" scillæ.....lb	20	" 15
" " co.....lb	35	" 30
" senegæ.....lb	50	
" sennæ.....lb	45	" 40
" simplex.....gl.	50	5 galls. 75
" tolut.....lb	22	Whr. qt. 16
" zingiberis.....lb	30	" 25
Tamarindus, W. I.....lb	14	10 lb 12
Tapioca flake.....lb	6	
" pearl.....lb	6	
Terebene.....lb	75	
Terebinth canadensis.....lb	45	
" chian.....oz	50	
" Venet.....lb	15	
Terpine Hydrat.....oz	20	
Terpinol.....oz	30	
Thallin Sulphate puie...drm	40	
Thymol.....oz	40	
Tonquin beans.....lb	2 50	& 1 50
Tripoli.....doz.	90	
Triticum repens.....lb	20	
Trock. acid carbolie.....lb	75	L. T. H 160
" " tannic.....lb	75	L. T. H. 160
" aconite L. T. H.....lb	90	
" Bath pipe.....lb	45	
" black currant, Gibsons lb	90	
" boracic acid L. T. H. lb	90	
" Bronchial P D & Co.....	5	1 lb can 1 75 each
" cachou dwf bouquet. lb	52	
" " floral gems...lb	52	
" camphor.....lb	75	
" capsici.....lb	60	Domestic 35
" catechu.....lb	80	T. H. P. 100
" chlorodyne.....lb	65	Gibson's 90
" col'sfoot.....lb	40	
" cubeb T. H. P.....lb	90	
" gelatine.....lb	60	
" glycerin [jujubes]...lb	75	
" guaiaci L. T. H.....lb	1 10	
" ipecac.....lb	75	
" Kramariæ, L. T. H...lb	1 25	
" lactusæ, L. T. H...lb	1 25	
" licorice (pipe).....lb	35	
" lime fruit tablets...bot		Gibson's 1.20
" mentha pip C.S. ....lb	65	
" mentha pip [No. 1] .lb	65	
" mentha pip [XXX] .lb	50	
" morphinæ.....lb	1 00	
" " et ipecac. ....lb	1 00	
" mosch.....lb	75	
" opii.....lb	75	

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 :

Johann Maria Farina Julich Place No. 4

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

WALTER BAKER & CO'S

Soluble 
25252525252525

Chocolate.
2525252525252525

THIS is a preparation for the special use of Druggists
and others in making Hot or Cold Soda. It forms
the basis for a delicious, refreshing, nourishing, and
strengthening drink.

It is perfectly soluble. It is absolutely pure. It is
easily made. It possesses the full strength and natural flavor
of the cocoa-bean. No chemicals are used in its prepara-
tion.

Samples furnished to Druggists on application.

The trade is supplied with one, four, or ten
pound decorated canisters.

WALTER BAKER & CO.,

Dorchester, Mass., U.S.A.

BRANCH HOUSE :

6, HOSPITAL STREET, MONTREAL.



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

EXCLUSIVELY BY

YOUNG & SMYLYE,

Where did you see this Advertisement?

BROOKLYN, NEW YORK.

Catarrhina . .

PROPRIETOR,
DR. GARNEAU
QUEBEC.

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

Agent - **E. GIROUX, JR.,**

Corner St. Catherine and . .
. . St. Charles Borromeo Streets,
MONTREAL.

DR. LAVIOLETTE'S

Syrup of Turpentine,

For Diseases of the Respiratory
and Urinary Organs.

SMALL SIZE.

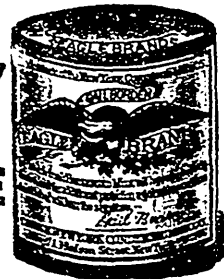
Less than 1 Gross, - - - \$ 2.00 per Doz.
One Gross or more, - - - 21.00 " Gross.

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	30	
	" potass. ch'or.....lb	50	Tablets 60
	" pyrethri L. T. H.....lb	90	
	" rosæ.....lb	70	
	" sedative L. T. H.....lb	90	
	" to'u.....lb	70	
	" tussi [cough].....lb	1 20	Gibson's
	" " ".....lb	50	[Preston's]
	" " " Watsons.tin	1 25	each
	" vermifuge.....lb	50	worm
	" voice [jujubes].....lb	85	
Ung.	acid borie.....lb	65	
	acid carbonici.....lb	1 00	
	" salicyliei.....lb	1 10	
	althææ.....lb	35	
	belladon.....lb	70	
	calificiens.....lb	50	
	calamine.....lb	40	
	cantharidis.....lb	80	
	cetacei.....lb	80	
	chrysarobini.....lb	80	
	eucalypti.....lb	75	
	gallæ.....lb	45	
	" c. opio.....lb	90	
	hydrarg ammon.....lb	75	
	" fort.....lb	60	25 lb 55
	" mit.....lb	50	
	" nitrat.....lb	50	
	" oxid rub.....lb	75	
	iodi.....lb	60	
	iodoformi.....lb	1 20	
	picis liquid.....lb	30	
	plumb iodid.....lb	1 20	
	plumbi.....lb	25	
	resinæ.....lb	40	
	roforani.....lb	25	
	sabine.....lb	70	
	sambuci.....lb	45	
	simplex.....lb	50	
	sulph.....lb	25	
	" comp.....lb	25	
	zinci.....lb	30	
	zinci oleati.....lb	60	
Uranii	acetat.....oz	60	
	" nitras.....oz	60	
Urethane	.....oz	60	
Vanillæ	beans.....lb		6½ in. 5.50
	" ".....lb		7 " 6.00
Vaseline	List prices.....	25 00	10%
Veratrina	.....oz	1 35	
Verdigris	.....lb	3 00	powd 40
Vinum	rubrum [port].....gl	3 50	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 50	" 3.25
Wine, Beef and Iron	gal	4 00	
Witch Haze extract	.....gl	1 50	5gals 1.25
Whiting	.....lb	1	brl 65c per 100 lb
Zinci	acetat.....lb	45	
	" benzoas.....lb	1 50	
	" bromid.....oz	25	
	" carb.....lb	35	
	" chlorid. sticks.....oz	15	¾ lb 45, lb 75, bt. free
	" iodid.....oz	60	
	" oleas.....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	6	10 lbs 5
	" " pur.....lb	9	10 lb 8
	" sulphocarb.....oz	10	lb 1 00
	" valerian.....oz	30	lb 4.00
Zincum	granulatum.....lb	35,	

TO THE TRADE ONLY

Porter, Teskey & Co.

IMPORTERS OF



FINE FISHING TACKLE

454 & 456 St. James Street, MONTREAL,

CANADIAN HEADQUARTERS FOR

Salmon Flies, Lines, Rods & Reels.

Standard Redpath and Forrest Flie-
Selling Agents for Skinner's Spoon Bait—the best made.
A full stock of English and American Rods.
Japanese Poles in all lengths.
The most complete Stock of Tackle in Canada.

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.

\$1.00
25 CTS.
PISO'S CURE FOR
 CURES WHERE ALL ELSE FAILS.
 Best Cough Syrup. Tastes Good. Use
 in time. Sold by druggists.
CONSUMPTION

Piso's Remedy for Catarrh is the
 Best, Easiest to Use, and Cheapest.
CATARRH
 Sold by Druggists or sent by mail.
 50c. E. T. Hazelton, Warren, Pa.

"LUCILLINE."

The highest grade of petroleum jelly, chemically pure, sweet, and odorless. Put up in all sized packages, from one to fifty pounds.

MANUFACTURED BY

BOSSHARDT & WILSON CO.,

PHILADELPHIA, PA.

Sold by Wholesale Druggists.

How has the Summer Gone, Mr. Druggist? and What have you Learned for Fall?

Two ways for a druggist's summer to go: (1) door shut, latch sticks, window-glass grimy, same old show-bottles and basket of sponges, flies, a lonesome air within, a dunning letter or two in the mail, sad face; (2) door open card in the fresh-looking window makes the passer-by some cheery greeting, tempting things in sight—the nicest tempter in August is splashing water singing: "soda, cold, fresh, strawberries, cream, cherry ripe, chocolate, cool, sit down in the shade, let the world go on without you a minute, rest, refresh, 5 cents," and the sun on the sidewalk burns and helps (all weathers are good for something) Once inside a hundred little wants are awakened by trifles, and big ones—there are no trifles—business is brisk and money is plenty. How has the Summer gone with you, Mr. Druggist?

And what are you learning for Fall? A few mistakes are made a thousand times over by druggists—they don't belong to the business. One man thrives where another dries up and blows away.

Keep your fountain going: be generous to it; indulge it with richness, freshness, coolness cleanliness, daintiness, courtesy, thinnest of glass—it belongs to freshness and coolness and dainty courtesy—nobody offers an honored guest a big, thick tumbler. One man thrives where another dries up and blows away.

We are not telling you how to make business brisk and money plenty without having the goods to do it with; and we deal with our customers as we teach them to deal with theirs. 5 cents is better than 10, and 10 is better than 25; but better than money is quality. If you try to get too much money, you will get too little; and, if you try to be a druggist with poor stuff, worse yet.

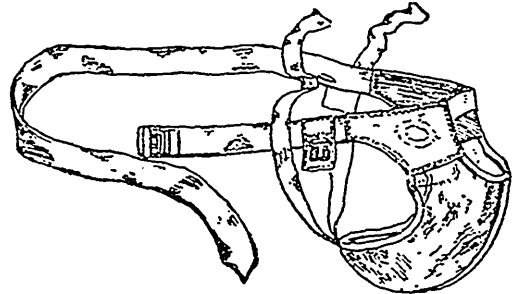
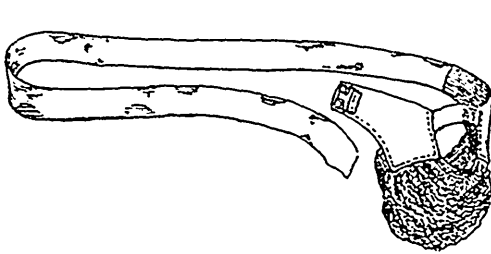
Be a first-rate druggist. Adapt your store and goods and attendance to your neighborhood, but keep above it yourself.

Philadelphia Callowhill and Marshall Streets
New York 17 Platt Street
Boston 11 Portland Street
Chicago 59 Lake Street
Pittsburg 614 Smithfield Street

HANCE BROTHERS & WHITE

Pharmaceutical Chemists

Suspensory Bandages

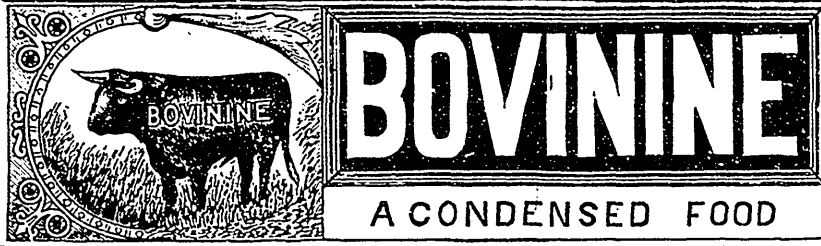


The Ware Manufacturing Co.,

CAMDEN, NEW JERSEY, U. S. A.

WRITE FOR PRICE LIST.

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



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. FRFD. 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.

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

GREEN MOUNTAIN :: ::

Pills, Salve, Balm, Syrup.	GEO. TUCKER'S GREEN MOUNTAIN SALVE HAS NO EQUAL FOR RHEUMATIC PAINS, WEAKNESS OF THE SIDES & BACK, LADIES.	GEO. TUCKER'S BOTANIC SYRUP WARRANTED TO CURE COLDS, INFLUENZA, WHOOPING COUGHS.	Worm Chocolate Bonbons.
	ARRAPAHOO OR GEO. TUCKER'S GREEN MOUNTAIN BALM THE WELL KNOWN INTERNAL-EXTERNAL REMEDY		
AND GROCERS SOLE AGENTS	\$5000 REWARD FOR BETTER PATENT MEDICINES SOLD BY ALL RESPECTABLE DRUGGISTS	THE SAFEST, SUREST AND MOST SPEEDY RELIEF FOR ALL NERVOUS AND INFLAMMATORY AGES AND PAINS. IT HAS NO EQUAL ITS ACTION UPON THE NERVES IS REALLY ASTONISHING; IT STOPS PAINS AS IF BY MAGIC IT SHOULD BE IN EVERY FAMILY FOR IT IS TRULY A DOCTOR IN YOUR HOUSE IT GIVES IMMEDIATE RELIEF. TRY IT. DIRECTIONS ON EACH BOX	THOUSANDS OF PERSONS SUFFERING FROM VARIOUS DISEASES, IMMEDIATELY HAVE RECOURSE TO GEO. TUCKER'S INDIAN REMEDIES 429 CRAIG STREET MONTREAL
	LYMAN, SONS & CO. WHOLESALE DRUGGISTS 51 PAUL STREET MONTREAL		

PREPARATIONS.



ENGLISH BRUSHES.

A. D. 1777.

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

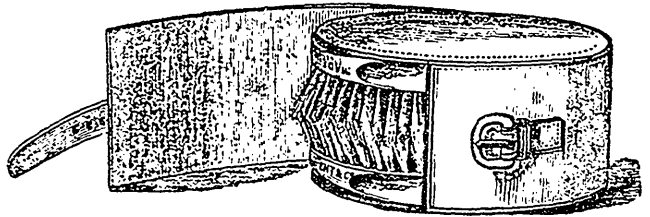
ESTABLISHED A. D. 1777.

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

for Hair,

Tooth,

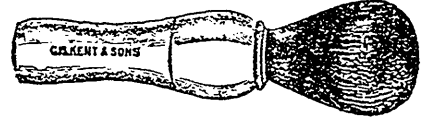
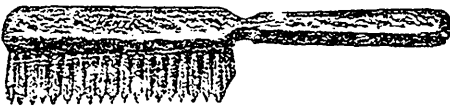
Nail,



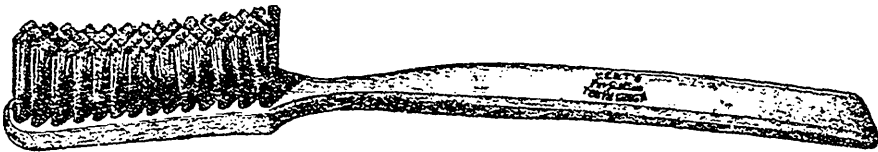
Shaving,

Cloth,

and Hat.



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



Import orders of 12 dozen and upwards for Best Tooth Brushes, may be s'amped 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.