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# CANADIAN DRUGGIST.

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

Vol. 4.

STRATHROY, OCTOBER, 1892.

No. 10.

## CANADIAN DRUGGIST.

WILLIAM J. DYAS, - Editor and Publisher.

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

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

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

CANADIAN DRUGGIST,

STRATHROY, ONTARIO.

ENGLISH OFFICE,

50 Hillside Road, Stamford Hill,

LONDON, N.

### Conviction Against the T. Eaton Company.

On the 20th day of September a very interesting case to the Druggists of Ontario took place before Col. Denson, Police Magistrate, in the City of Toronto. Two informations were laid by Frank Stanley Warner against the T. Eaton Company, Limited, a corporation carrying on an extensive business in the City of Toronto, for breach of the Pharmacy Act.

First, that the said T. Eaton Company, in violation of Section 24 of the said Act, did keep open shop for retailing and selling certain articles mentioned in Schedule "A" of the Pharmacy Act of 1884, as amended by Act of 1889.

The second information was, the T. Eaton Company sold poisons without labelling, etc., as required by Section 26 of the said Act.

The T. Eaton Company carry on an extensive business in the sale of dry goods and other articles, including so called patent medicines. Among the articles purchased by the informant, Warner, was Dr. Collis Browne's Chlorodyne and Boschee's German Syrup. Mr. E. T. Malone, who is Solicitor of the Ontario College of Pharmacy, in conjunction with County Crown Attorney Curry, conducted the prosecution, while J. J. Maclaren, Q. C., defended the T. Eaton Company. After the purchase was clearly proven, Mr. Malone put Prof. Ellis in the box, who gave the result of his analysis and showed clearly the poisons in the case of the German Syrup; that it contained Morphine about  $\frac{2}{3}$  of a grain in a fluid oz., together with other ingredients which are set out in the Schedules of the Act.

As to Chlorodyne, the two ounce bottle contained about two grains to the ounce of Morphine and about 15 per cent. of chloroform. Mr. Malone then called Dr. Chambers, who had heard Prof. Ellis' evidence, and he showed the effect of the Chlorodyne, that  $\frac{2}{3}$  of a grain had proved fatal in the case of an infant, and in the case of an adult  $\frac{1}{3}$  of a grain had proved fatal, that there was sufficient in the two oz. bottle of Chlorodyne to kill three adults. Other cases were cited by the Dr. showing the fatal effects of Chlorodyne. A Mr. Barnes, of West Toronto Junction, and Dr. Carleton, of the same place, then took the box, when it was shown that Mr. Barnes had purchased some of the German Syrup and that his two year-old child had in some way got possession of the bottle and drank some of it, which proved fatal. English cases were cited on both sides, particularly a case decided in London, Eng., where the Public Prosecutor summoned a Mr. John Thistlewood Davenport, Great Russell street, in May last to answer a charge of having sold a bottle of Dr. Collis Browne's Chlorodyne without the poison label. On this case the prosecution laid great stress. The result was that the Magistrate convicted in both cases, imposing a fine of \$20 and costs. It is understood that there will be an appeal to Osgoode Hall on one of the convictions.

The facts cited above afford to every druggist doing business throughout the Province, ample evidence that where the Council have a reasonable chance to secure a conviction against one who will fully violates the provisions of the Pharmacy Act, they will not hesitate to use it, if by so doing, the protection of the trade can be secured.

Under the evasive method adopted by the T. Eaton Co., the difficulty of preferring a proper charge was very much increased, but, as impunity increases under freedom from restraint, that firm finally overstepped the bounds of prudent sale, and as a result have the penalty to pay. The action of this firm for some time past has been a constant menace to the prosperous conduct of the city retail drug trade, as they have wantonly used for advertising purposes, not merely the drug sundries, but also such medicines and drugs as the protection afforded by Mr. Lewis' certificate would permit the sale of.

While the Council as representatives of the drug trade are willing to afford ample protection to the public, and to

that end have introduced into their Act clauses which impose restrictions upon their own sales, they are unwilling, and naturally so, to continue to give protection without receiving any. The contention that Pharmaceutical legislation is intended solely for the protection of the public is right only in a limited sense, as the clauses in the Act assuring the safety of the public, do so by making prohibitive the supply of poisons and their compounds by other than qualified druggists, thus making the druggist a privileged and protected individual as well, in so far as the handling of such preparations is concerned.

The law always grants protection to those who comply with its requirements in qualifying for professional privileges, and in pharmacy, as in other pursuits, a like compliance demands a like return. If clause 26 of the Act did not mean to afford that protection it would have properly read as follows. "Any person may sell any poison named in the first part of Schedule 'A', either by wholesale or retail, if the box, bottle, vessel, wrapper or cover in which the poison is contained is distinctly labelled with the name of the article and the word 'poison,' and if sold by retail, then also with the name and address of the proprietor of the establishment in which such poison is sold," as for example,

MORPHINE - POISON.

T. Eaton & Co., - Toronto.

while clause 24 would have read, "Any person may sell or keep open shop for retailing, dispensing, or compounding poisons, or sell, or attempt to sell, any of the articles mentioned in Schedule 'A' of this Act, provided they employ for these purposes one who is registered and has taken out a certificate under the provisions of Section 18 of this Act for the time during which he is selling, dispensing or compounding poisons."

The iniquitous injustice of such an interpretation is at once apparent, as it would immediately open the door to capital to abuse, with the aid of a graduate, the privileges, and limited ones at that, which the trade now enjoy. No such interpretation has yet been given in Canada, and we trust never will.

In an article appearing in the *Canadian Pharmaceutical Journal* commenting on the case, the moral and material benefits derivable from such a prosecution have been by pen-picture so minimized, that

the actual verdict inflicting a fine in each case appears to be an uncertain quantity.

The Council in taking action did not consider the moral or material gain likely to be derived from the success of such a suit, but rather the fact that the T. Eaton Company were attempting to run a drug store illegally, or as much of one as the improper use of a druggist's certificate would allow. Morally, that firm was constantly violating the provisions of the Pharmacy Act, but legally, no hold upon an illegal act could be obtained until the present charges could be substantiated, when the Council at once put the law in motion to check their course, with the result above stated—a result which is indeed gratifying as an interpretation of the law to mean that qualification alone implies privileges.

Not only will this action check the attempt of the T. Eaton Co. to encroach upon the business of the druggist, but the effect upon others who were attempting like methods has already been perceptible, and evidence is not wanting to show that at an early date few dry goods or grocery houses will be found which will handle and sell goods, the nature of which they are ignorant, and of which an expensive analysis to determine that they did not contain a scheduled article, alone would assure them the sale of.

### Creasote Pills.

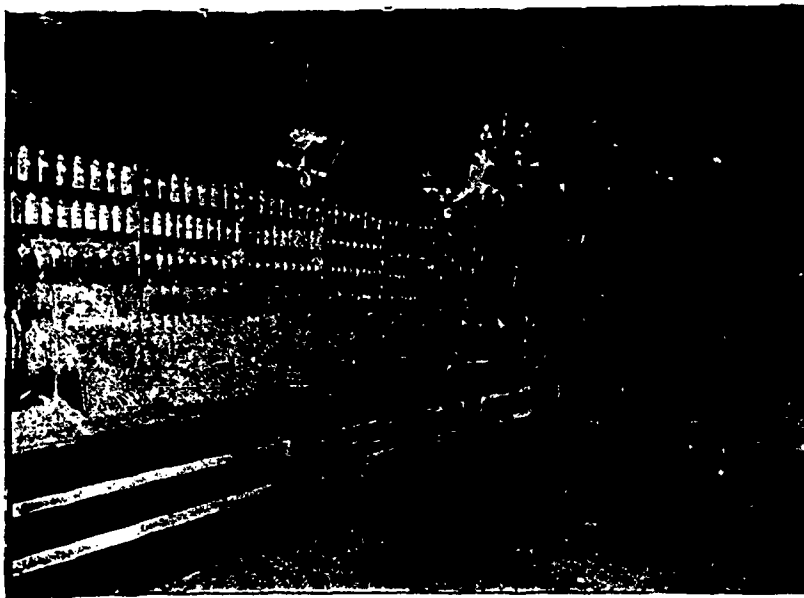
The dispensing of these pills has caused some difficulty on account of the need of a suitable excipient and the volatility of the remedy. The following method of procedure is pronounced very satisfactory; it depends upon making first what is called a "creasote emulsion" (50 per cent.) from gelatin 5.50, distilled water 12.00, sugar 2.50, and creasote 20.00; the emulsion is preserved in tight fitting glass-stoppered bottles. In making pills, the corresponding quantity of the emulsion is taken and made into a mass by the addition of a little powdered liquorice and althea. The emulsion should be taken from the bottle with a horn spatula, as iron discolors it; the pill mass, however, can be removed from the mortar with an iron spatula.—J. Norberto, Jr., in *Pharmaceutical Post*.

Sponges are said to be improved in color occasionally by being dyed with helianthin.

A judge in Charleston, S. C., has decided that the sale of soap by a druggist on Sunday is lawful, because cleanliness is next to godliness.

### Effects of Sulfonal.

In the *Journal of Mental Science* for the current month, Dr. Carlyle Johnstone, records his observations on the effects of Sulfonal, on fifty patients suffering from various kinds of mental disorders, including general paralysis, melancholia, and mania. His experiences with the drug point to the conclusions that in properly regulated doses, it is an efficient hypnotic, and compared with that of other hypnotics, its action is fairly certain and constant. The sleep produced by it is natural and undisturbed by dreams; it has no injurious effect upon the appetite, circulation, respiration or temperature, and the general health does not suffer under its use. After a time, the dose may be reduced or it may be discontinued, and the patient still continue to sleep well. Dr. Johnstone also found that it had a distinct sedative action in mental excitement and distress, and could be employed with



INTERIOR VIEW OF GEORGE THOMPSON'S DRUG STORE AT EDMONTON, N. W. T.

great benefit in cases of insanity, especially such as are recent or of acute character. Its complete tastelessness also is recommended in such cases, allowing its combination with food, in milk, in such a way as to escape the notice of the patient. It will thus be seen that the writer's conclusions are in accord with the majority of those already published, and that while regarding sulfonal as by no means a perfect hypnotic, he is inclined to give it a very important place in the treatment of sleeplessness and restlessness generally. The best doses he found to be between thirty and forty grains, and it should be given just before the patient lies down.—*Lancet*.

Umbrellas are made of paper in France. Lead poisoning is characterized by such an abundance of lead sulphate in the skin that black tracings will appear on the latter if pencilled with ammonium sulphide solution.

### Explosiveness of Peroxide of Hydrogen.

The necessity for storing peroxide of hydrogen in a cool place, removed from the action of heat and light, has been brought to the attention of a Tennessee firm of pharmacists in a rather forcible manner. A bottle of the liquid which was stored on a shelf in the second story of the building occupied by Leickhardt & Co., Nashville, exploded with terrific force, a few days ago, and smashed a large number of bottles in its vicinity. Considerable excitement prevailed for a while, but fortunately no one was hurt. The extra molecule of oxygen in hydrogen dioxide is contained in a loose state of combination, being readily given up on the application of a slight degree of heat or exposure to the air. The majority of manufacturers take the precaution of stating explicitly on the labels attached to each container that the bottle should be kept in a cool place. But many pharmacists disregard a simple injunction of this kind, and the sequel is shown in accidents of the kind just described.—*Pharmaceutical Record*.

### Bacteria in the Air.

The presence of bacteria always rules high at about eight o'clock in the morning. Then begins a gradual decrease until their least presence for the day occurs at the meridian. This lasts for about one hour. Then a gradual decrease sets in, and at about eight o'clock of the evening the maximum is again reached. Until about eleven o'clock, or near midnight, their

number is considerable, and a great diminution occurs between that hour and three o'clock, when the number begins to rise, until at eight in the morning the maximum is again reached.—*North American Review*.

### Our Illustration.

We present this week a view of the interior of a drug store in Edmonton, North West Territories. It is our intention from time to time to give more of such illustrations, as we believe they may serve a useful purpose in presenting ideas in fitting up and furnishing stores which may commend themselves to those who may contemplate opening new stores or refitting those at present occupied. We shall be pleased to insert any engravings of this kind which may be furnished, as they must prove one way of interchanging ideas in these matters.

# "FOR CHOLERA."

## A REMEDY AND DISINFECTANT.

### STEARNS' CHOLERA COMPOUND.

For an internal remedy in case of attack we can recommend our Cholera Compound for general use, as it contains the best known remedies known to medicine in the treatment of cholera, and may be safely depended upon till medical service arrives. It is composed of Tinctures of Capsicum, Opium and Rhubarb ; Spirit of Camphor ; Spirit of Peppermint ; Chloroform. It checks the diarrhoea and relieves the pain. It is a combination of the Sun cure with Dr. Squibb's prescription, and can be relied on as the best prescription for general use. We put this up in two sizes, to retail at 25 cents and 50 cents. We wrap around each package a circular for treatment and for general care of persons attacked.

We sell the 25 cent size, holding  $1\frac{1}{4}$  ounces, at **\$1.50** per dozen ; and the 50 cent size, holding 3 fluidounces, at **\$3.00** per dozen.

While not being alarmists, we recommend a stock of this compound being laid in every drug store to anticipate its need.

For a preventive and disinfectant we recommend our Cholera Disinfectant.

### STEARNS' CHOLERA DISINFECTANT.

FOR EXTERNAL USE ONLY.

*Composed of the leading Disinfecting Chlorides, viz. :—Mercuric, Zinc, Aluminium, Calcium and Sodium, combined with Eucalyptus.*

**Prepared especially for general use as a Disinfectant and Preventive where Cholera is Epidemic, as it thoroughly destroys the Cholera Germs.**

To be used for all *external* disinfecting purposes in cholera epidemics, such as disinfecting and purifying clothing, the sick room, compartments, halls, hospitals, sinks, closets, sewers, for undertakers' use, etc., etc.

This cholera disinfectant is fortified by "that best of chemical disinfectants," Mercuric Chloride (1 part to 1,000 parts), thus making it the most active agent for the destruction of the cholera germ. In full quarts, **\$3.60** per dozen.

## FREDERICK STEARNS & CO.,

Manufacturing Pharmacists,

ESTABLISHED 1855.

WINDSOR, Ont.

DETROIT, Mich.

1 B. Platt St., NEW YORK CITY.

OFFICE OF

*Lyman Brothers & Co.*

Wholesale Druggists.

Toronto, Sept. 22nd, 1892.

DEAR SIR,

On August 1st we issued a circular, in conjunction with the other Wholesale Drug Houses in Canada, stating that after October 1st our discount for cash, in thirty days, would be three per cent.

Owing to altered circumstances we withdraw that circular, and our terms will remain as heretofore, viz.: Five per cent. for cash in thirty days.

We take this opportunity of soliciting a continuance of your patronage. Your orders will be attended to with that carefulness and promptness that have characterized our house for so many years.

Yours truly,

LYMAN BROS. &amp; CO.

**J. PALMER & SON**

1743 &amp; 1745 Notre Dame,

**MONTREAL.**

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PEARS' SOAPS, the best in the world.  
DUPONT'S BRUSHES, most popular in use.  
BERTRAND FRERES Fine Perfumes.  
TRAUB & STRAUSS, Vienna, the largest manufacturers of FANS and SILK NOVELTIES in the world.  
HEINRICH & CO., Berlin, Fancy Goods, Mirrors, Albums, Etc.

We have been very successful in securing an entirely New and Well Assorted Line of **Novelties** for the **Christmas Trade**, superior and larger than anything ever shown by us, and can assure our friends it will repay them to reserve their orders for our representative.

**Belladonna****Plasters.****PROF. D. HAYES AGNEW,**

OF PHILADELPHIA,

Very kindly permits us to say to Physicians and Druggists that "he is greatly pleased with JOHNSON & JOHNSON'S BELLADONNA PLASTER. That it gives a quicker and better effect than any Belladonna Plaster he has heretofore used."

Full list of JOHNSON & JOHNSON'S preparations on application to

**THOS. LEEMING & CO.**

MONTREAL.

**LYMAN BROS. & CO.**

(LIMITED)

**TORONTO, - ONT.**

Ellis & Golterman's No. 2 and No. 3 Improved Water and Oil Atomizers.  
Ellis & Golterman's Douche Atomizer.  
" " Multiple Atomizer.  
" " 2 tip Kenner Atomizer.  
No. 10 I. R. Thread Bands.  
Assorted I. R. Thread Bands.

Dime Swandown.  
New "Lily of the Nile" perfume, in 10 oz. bottles.  
Legrand's "Violet of the Czar."  
Millot's Russian "Lily of the Valley."  
Millot's "Russian Violets."  
Atkinson's Perfumes, full line.  
Bertrand's Perfumes, "  
Baldwin's Perfumes, "  
Colegate's Perfumes, "  
Gellefreres' Perfumes, "  
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Bott's Malt Stout.  
Malto-Peptonized Porter.  
Neff's Ointment.

**QUININE TABLETS,**

All Sizes.

Send for quotations.

We are Canadian Agents for

**Coulter's Vaporizer and Inhaler.**

## TRADE NOTES.

W. J. C. Naftell, druggs, Toronto, has sold out.

Dr. M. G. Atkinson, druggist, Parsboro, N. S., has sold out.

A new drug store will shortly be opened in Nakusp, B. C.

M. Meyer, druggist, Montreal, has made an assignment.

A. Jukes, druggist, St. Catharines, Ont., has made an assignment.

John Field is opening a new drug store at Innisfail, Alberta, N. W. T.

Mr. McKinley, Clarksburg, has opened a new drug store in Hamilton, Ont.

Thos. Comport, Aylmer, Ont., has sold his drug business to G. H. Hinch.

J. F. Spaulsbury, Trenton, Ont., has opened a branch drug store at Colborne, Ont.

The business of the late Henry Watson, Milton, Ont., has been sold to A. Higginbotham.

An attachment has been issued against the stock of S. W. Mumis, druggist, Halifax, N. S.

The estate of the late Joseph Parkinson, druggist, of Winnipeg, Man., was sold on Oct. 7th.

J. A. Abbs & Co. have purchased the drug business of J. R. Seymour, St. Catharines, Ont.

M. A. Young, of Alliston, Ont., has accepted a position in S. Johnston's drug store in Sarnia.

W. D. Horton has re-opened in a new stand in Windsor, Ont. He is now on Sandwich st., east.

F. W. James, formerly of Glencoe and recently of Oakville, is about opening a new drug store in Strathroy, Ont.

Chapman's drug store, St. Catharine st. west, Montreal, suffered slight damage by fire recently, caused by a falling electric wire.

J. R. Hipwell, formerly with J. Curry, Church st., Toronto, has purchased the drug business of John Stewart at Alliston, Ont.

Chas. Williams, of Goderich, Ont., a gold medallist of the O. C. P., has accepted position with H. Sherris, of Queen st., west, Toronto.

Dr. Clark is moving his drug store from Ridgetown, Ont., to St. Thomas, where he will occupy the store lately vacated by F. P. Reynolds.

R. T. Kyle, for some time manager of the drug business of W. J. Dyas, Strathroy, Ont., is now a partner, the firm name being W. J. Dyas & Co.

John Stewart, of Alliston, Ont., has retired from drugs after over twenty years of successful business in the line. Mr. Stewart will devote his attention to private banking.

C. E. Hepburn, druggist, Iroquois, Ont., who effected a compromise some few years ago at 75c. on the dollar, is again in dif-

ficulty. He offers his creditors 20c. on the dollar in settlement.

G. T. Fulford & Co., Brockville, have sold their drug business to John A. Barr, formerly of Hamilton. Messrs. Fulford & Co. have found their large and lucrative proprietary medicine trade requires their full attention.

J. Curry, manager of the Medical Inhalation Co., Church st., Toronto, has been fined \$25 and costs for an infringement of the Medical Act. Dr. Jacob Zeliniskie, 6 Beverley st., has also been fined \$10 and costs.

The legality of the by-law passed by the city council of Victoria, B. C., exacting a license fee of \$50 from any retail dealer, as agent or otherwise, in goods furnished by parties outside the province, has been upheld by the Provincial Supreme Court.

At a meeting of the Board of Trustees of the Philadelphia College of Pharmacy held on September 6th, 1892, the Building Committee reported very satisfactory progress, and that all departments would be ready for opening before the time advertised, Oct. 3rd.

Cairncross & Lawrence, druggists, London, Ont., will shortly move into new premises, corner of Dundas st. and Park Avenue, in that city. The fittings are to be of the finest description, and they expect to have a store which for convenience and elegance will be equalled by few in the province.

The Dominion Disinfectant Company, with a total capital stock of \$5,000, headquarters at the City of Montreal; for the manufacture and sale of disinfecting apparatus and disinfecting substances suitable for use in houses and buildings generally, and more particularly for the manufacture and sale of "Roberts' Ozonator" with "Sanitas Fluid," has been incorporated.

The package-dye manufacturers are in line with the drug trade. We hear of a case where the Turkish Dye Co. has refused to sell a large order to a Toronto purchaser which was evidently intended for a "department" store, and Wells & Richardson Co. declined an order for Diamond Dyes from a drug house in Vancouver, B. C., because they were cutting prices.

H. H. Watson, junior partner in the drug firm of H. McDowell & Co., Vancouver, B. C., was married Sept. 29th, to Miss Kathleen Constance Black, daughter of the late Dr. Black. On the eve of his marriage the "Wigwamites," of which Harry was a member, gave a grand farewell banquet in his honor, and presented him with a very handsome sideboard and the traditional cruet stand with the names of the "Wigwamites" engrossed thereon.

"Comanche Bob," otherwise Patrick O'Keefe, the individual who is in command of the Indian medicine tribe at Alexandria Rink, Toronto, was charged by Detective Watson at the Police Court with a breach of the Medical Act. Bob's counsel asked the magistrate to impose

the minimum penalty of \$50. This the magistrate refused, saying he had no sympathy with these apparent frauds on sick people. He fined him \$50 and costs or 20 days.

The Diamond Glass Works, formerly known as the Burlington Glass Works, Hamilton, were burned Sept. 7th. The fire was caused by sparks from the furnace falling on and igniting some of the dry wood in the blow house. The fire made a clean sweep and totally destroyed the works and outbuildings, which occupied more than half the block and included the blowing department, engine and boiler houses, machine shop, store houses, and offices. About \$10,000 worth of stock in the storehouses was destroyed, and the total loss is estimated at about \$35,000. The insurance of \$37,000 will fully cover the loss, and as soon as the insurance is adjusted the works will be immediately rebuilt. The works have been shut down for the regulation two months and were to open again in about a week, and it was expected the full complement of 300 men and boys would be at work.

## Manitoba Notes.

Mr. John Field, late of Calgary, has purchased a number of the most desirable lots in the new town of Innisfail, on which he purposes erecting business buildings. He has already completed a handsome residence for himself, and is now erecting a store which, when completed, will be one of the newest drug stores in the N. W. Territories.

Mr. N. J. Halpin, of Brandon, has displayed excellent taste and spared no expense in the fittings and furnishings of his new drug store into which he has just moved, and he is to be congratulated upon having one of the handsomest and most convenient drug stores in the country.

Mr. G. S. Hill, of Messrs. Hill & Co., Regina, purposes taking a course in the Detroit School of Medicine.

Mr. J. W. Fleming, of Fleming & Sons, Brandon, has returned with his bride from their honeymoon trip through the Eastern States.

At the recent examination of the North West Pharmaceutical Association but one candidate succeeded in obtaining the requisite number of marks to entitle him to registration.

Mr. J. W. Higginbotham's stock and buildings, Virden, were destroyed by fire on the night of the 29th inst.

Dr. Bird has purchased the stock of Dr. Scott, Moosomin.

## British Columbia Notes.

The Council of the Pharmaceutical Association of British Columbia met in Westminster on Sept. 7th.

The British Columbia Pharmacy examinations were held on the first Wednesday and Thursday of October.

The outbreak of small-pox in this Pro-

vinco in the early part of July was marked by increased sales in the drug stores. Disinfectants were huge sellers. For a time the druggists were taxed to their utmost to supply the popular demand for chloride of lime, carbolic acid, carbolic powder, camphor, cream of tartar, etc. Nearly every one had some well-tried remedy or disinfectant of his own to dispose of. Cream of tartar still continues to be a very popular summer drink. The disease first broke out in Vancouver and from there spread to Westminster and Victoria, the last named city being the greatest sufferer. Business was considerably affected for a time, but has brightened up again, and the hopes are that no further outbreak will occur to retard our onward progress.

### Montreal Notes.

Extra precautions are to be taken at the matriculation (preliminary) examinations to be held by the Pharmaceutical Association this month, in order to prevent personation and other ways that are dark, which have been too common at legal, medical, and pharmaceutical examinations of late years.

As the Pharmaceutical Society of Great Britain refuses to accept the diploma of the Pharmaceutical Association of the Province of Quebec, a feeling has arisen in Montreal against accepting their diploma here, and a good many licentiates advocate the passing of a specific resolution to that effect.

Mr. W. A. Dyer, the well-known chemist on Phillip's Square, will shortly move to commodious premises on the corner of University and St. Catherine sts., being the western corner of the block on which his present pharmacy is situated. His present stand has been purchased by Mr. H. Birks, who will pull down the property and erect a large building to be occupied by himself as a jewelry store, and the upper stories by Notman, the photographer.

Mr. Chapman's old branch in Cote St. Antoine came near being burnt out last week by some entanglement or confusion of the electric light, telegraph, telephone and trolley wires. It seems to be about time some method was invented to do away with these abominations.

The electric car system which was promised for exhibition week was a fizzle and it will be some time before electric cars take complete possession of the tracks. A few cars are running at this date and are giving good satisfaction.

The wholesale men at their recent Convention in Montreal decided to assist retail chemists in putting down the ridiculous cutting of prices, which has nearly ruined the drug business in the neighboring States; and in the future they intend to discourage sales and accommodation of any kind to those guilty of such suicidal practices.

The Provincial Exhibition held here recently did not benefit the retail drug-

gists as much as was expected. A much poorer class of people seem to attend such affairs in this province, compared with the people seen at such shows in the States. The cheap hotels and street railway appear to have been the principal gainers.

Disinfectants have been selling freely all summer, and it is possible there will be a large demand next spring, in view of the fact that Europe is badly infected from the Baltic to the Mediterranean, and that it is undoubtedly much worse in France than is represented by the Associated Press. It will require all the efforts of the quarantine authorities, aided by the Provincial Boards of Health, to keep the disease out of Canada. Perchloride of mercury, chloride of lime and carbolic acid, put up in a handy form, with directions, will be in most demand, as these are recommended by Boards of Health, who generally, and with good reason, frown down secret preparations where so much is at stake.

The police magistrate fined a Montreal physician, last week, \$25 and costs, for keeping an open drug store, and at the same time acting as a physician, in defiance of the Pharmacy Act. He was also fined the same amount for habitually leaving his drug store in charge of an apprentice.

Another series of actions have been taken by the Pharmaceutical Association against Mr. Archambault, who persists in keeping a drug store without a license. The case is now in the hands of the Association's lawyers, Messrs. Chapleau, Bisillon, Brosseau & Lajoie.

### Prince Edward Island Notes.

Mr. George Macdonald has, it appears, abandoned for the present his former intention of starting business for himself. This determination has not, however, prevented his entering into a partnership as announced in following notice: "Married, on Wednesday, Sept. 7th, by Rev. D. Sutherland, Mr. George Macdonald, druggist, to Miss Jennie Peebles." The CANADIAN DRUGGIST adds congratulations.

Mr. A. S. Johnson has enjoyed a fortnight of holidays upon the mainland.

Mr. Richard Johnson has departed to take a course at the Ontario College of Pharmacy.

Mr. William Small, of the Medical Hall, leaves shortly to continue his studies in Boston.

At the Provincial Exhibition held the last week of September in Charlottetown, Mr. A. S. Johnson was the only druggist who made an exhibit. A cabinet, neatly arranged, proclaimed the many advantages of Mr. Johnson's establishment, and the merits of "everybody's pills."

The K. D. C. Company made a display of their popular remedy, and the *Skoda* preparations, for which Mr. Watson is agent for the Province, were well advertised by an exhibit and a free distribution of samples.

It is reported that Mr. F. de C. Davies will spend the winter in Florida.

### Illinois College of Pharmacy, Chicago.

The splendid new building of this School of Pharmacy of Northwestern University is now under roof, and it will be ready in good season for the next regular course of instruction which will begin on the 2nd of March, 1893. The present class of the College is the largest it ever had, numbering 229.

### Notes From England.

(From our own Correspondent.)

The meeting of the British Pharmaceutical Conference which has just taken place was highly successful and thoroughly enjoyable. The President, Mr. E. C. C. Stanford, F. C. S., F. I. C., gave a clever and interesting address replete with information on many subjects akin to pharmacy. Of the 26 papers submitted, half were read without comment and three or four had to be taken as read. Grierson in "The Digestion of Starch," claims that arrow-root and potato starch are more easily digested than wheat, maize, oats, etc. Mackenzie described the successful application of electro-magnetic current in strychnine poisoning. The commercial salts of lithium were given a clean bill for purity by Mair. One of the secretaries, W. A. H. Naylor, had not so good a report to make upon valerianate of zinc, which was not uniform in composition—the valerianic acid appearing to have been prepared from impure fousel oil. Hodgkin explained the difficulties in obtaining a pure form of animal charcoal and showed that the B. P. requirements were impracticable. Dott has determined the solubility of the various strychnine salts, the hydrochloride being most soluble (1 in 35) and the citrate next (1 in 37). He also criticised the B. P. tests for bromide of potassium. Davis recommended the very obvious plan of stirring ointments, that are disposed to become lumpy, during the whole of the time required to cool and set them. Gerrard had a practical note indicating that the addition of cyanide of potassium to ordinary Fehling's solution renders the end of the reaction, in estimating glucose, more exact and sharper. Jambul had attracted the attention of Stephenson who believes that the best way of giving this drug in diabetes, is a weak alcoholic tincture of the seeds deprived of their pericarps. Wright and Farr claim that a tincture of chincona prepared with diluted spirit, containing 80 per cent. of rectified, is the best both as regards amount of alkaloids and keeping properties. Essence of lemon was thoroughly discussed by Barrett, who is engaged in its manufacture in Sicily.

An interesting discussion took place last month at the meeting of the Chemical Society upon the proposed new nomen-

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**For Invalids, Consumptives and Dyspeptics.**

*This preparation is being endorsed by the medical profession everywhere.*

## OVER 200 TESTIMONIALS

*Have been received from leading physicians of Canada.*

*It is a food, a tonic, a reconstructor of wasted tissues, a mild stimulant, a digestive agent, and an alterative in liver troubles.*

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**EXQUISITE,**  
**AIDS DIGESTION.**

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Containing 25 per cent. of Allen & Hanbury's celebrated **Malt Extract.**

Dr. John Tanner says :—" *They assist digestion...and are a most delicious compound. I can scarcely speak too highly of their qualities for giving power to delicate children and persons with feeble digestion.*

6 d. Bottles ; 1/- Bottles ; and in 1 lb., 2 lb. and 4 lb. Bottles.

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ONE Package EQUALS TWO of any other Dye in the market.  
If you doubt it, try it ! Your money will be re-  
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all new shades and colors, and all of the best quality they  
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more good and do it better than any other Dye.

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clature for organic bodies. The Fellows present enjoyed an intellectual treat from the masterly manner in which Prof. Armstrong, F. R. S., dealt with the subject. Dr. Armstrong was one of the three British delegates to the Geneva Congress, and is *facile princeps* as the leading exponent of organic chemistry in this country. Although not favoring all the suggestions that were made, Dr. Armstrong was emphatic that English speaking chemists must move in this matter or our Teutonic brethren will leave us all behind. There is something fascinating in a system which would at once assign a scientific and systematic name to a new compound or isomer according to some few established rules. We should then do away with the several baptisms which one body often undergoes, uniformity of nomenclature amongst the scientific chemists of different countries would prevail and much less confusion would ensue. The congress contained neither Canadian, American nor Russian representatives, and numerically-speaking our own country was insufficiently represented. It is obvious that any system which is to be universally accepted must be adopted to English speaking countries, the language which more than any other is spreading over the whole globe.

A recent description of a visit to the drug farm of Hitchin, in one of our trade journals, is of special interest. The firm in question have cultivated medicinal plants for more than 50 years and both father and son are pharmaceutical chemists. Messrs. Ransom & Son, of Hitchin, have some 20 to 30 acres devoted to belladonna, aconite, hemlock and elaterium. In their factory which adjoins their largest field they convert these into extracts, official juices, etc. The present season has not been unfavorable, but still the crop in all the medicinal plants is below the average owing to the severity of last winter. Rosemary is almost destroyed, whilst the elaterium plants have suffered very much. According to the statistics given by Messrs. Ransom, foreign elaterium yields considerably less elaterin than the English—and as Mr. Ransom formulated the present official method of estimating elaterine, this may safely be taken to be a fact. Its reason is explained by the fact that on the continent it is not cultivated but largely allowed to grow wild.

A curious instance of the want of chemical knowledge resulting fatally has recently occurred. A man took a large dose of sulphate of zinc, with a suicidal intent it was averred. On learning this, one of our sapient defenders of the public peace proceeded to make him swallow a quantity of salt, so as to produce emesis. Unfortunately, the direct result was to form chloride of zinc in the man's stomach, which, as a strong escharotic, corroded the walls of the stomach so fearfully that he died. On post-mortem examination, this was discovered, and the medical officer added that had he been left alone

he would have recovered. This is the first instance of such an extraordinary result from the well-meaning attempt to save a person from poisoning.

Mr. Andrew Pears, the senior partner in the late firm of Messrs. A. & F. Pears, of soap fame—now a limited liability Company—is a very genial and kindly man. He prides himself on his strict punctuality, as many have discovered to their cost when they have let the hour of their appointment with him slip by. It is rumored that he is desirous of leaving the toils and shackles of business life for the more congenial existence in the country. His partner, Mr. Thomas Barrett, is the compressed energy of the business. To him is due the gigantic advertising system which has made Pears a household name for soap all over the world. The average expenditure in advertising has been about \$500,000 per annum; in this, however, is included the acquisition of some valuable oil paintings by masters such as Millais, Frith, &c., and some noble statuary which adorns their principal London depot in Oxford st. Few firms have profited by the cutting of "muslin druggists" more than A. & F. Pears. Nearly throughout England their transparent soap is to be obtained at the rate of 7c. a tablet. As this price barely leaves 5 per cent. to the retailer it becomes evident how little difficulty was found in inducing the public to buy their article. Since then, chemists generally have preferred to leave Pears' soap alone, as there is no profit in giving change for a 10 cent piece. This became the opportunity for the introduction of Vinolia soap, which, in the incredibly short time of three years, has made itself known in England, America, Australia and continental Europe. With an excellent article and judicious enterprise the proprietors have hid themselves out for chemists, and work energetically to prevent their Vinolia preparations from reaching the "cutters." The result has been satisfactory all round, and both chemists and proprietors have cause for congratulation.

We are in receipt of the programme of a musical and social evening given by the Chemists' Assistants Association, of London, Eng., on Oct. 13th. Prominent among those taking part are the names of several well-known pharmacists, viz.: Messrs. J. C. Umney, S. A. Walton, W. H. Martindale and others. The programme consisted of 22 pieces with an interval for refreshments. We would suggest the adoption of this entertainment by some of our local organizations.

Tuberculin Koch is now manufactured and sold by the Farbwerke vorm., Meister, Lucius & Bruning, instead of by Dr. Libberts. The same firm prepares the tuberculoicin of Klebs.

Vanadic acid deposits have been discovered in the province of Mendoza of the Argentine Republic, a district noted for its seismic disturbances.

## The Century Magazine.

THE Columbus interest culminates, as it should, in the October *Century*, contemporaneously with the celebrations at New York and Chicago, the frontispiece being the newly brought out "Lotto" portrait of Columbus, owned by Mr. J. W. Ellsworth, of Chicago. It is accompanied by an explanatory paper by the critic, John C. Van Dyke. In the same number, the Spanish statesman, Castelar, writes of Columbus' homeward voyage after the great discovery; and the architect, Van Brunt, describes the Fisheries Building, the exquisite Art Building, and the United States Government Building at the World's Fair. In addition to this is an editorial on the Fair, in which it is declared that Chicago, in the housing of the World's Fair, has not only equalled but has surpassed Paris. The editor adds, "We shall have an exhibition more dignified, beautiful, and truly artistic than any the world has seen." The opening paper of the number is a very striking piece of autobiography by Archibald Forbes, the famous war-correspondent, who describes in the first of a series of two papers what he saw of the Paris Commune. Accompanying this is a reproduction of Hubert Herkomer's painting of Archibald Forbes, also some original drawings made for this article by the distinguished Paris artist, Vierge; with other illustrations, not the least interesting of which is a group showing "types of petroleuses." Harry Fenn very curiously illustrates a paper by Charles Howard Shinn on "Picturesque Plant Life of California." In the short stories of this number a new writer is introduced, Hayden Carruth, a New York journalist, who tells the story of "Dogget's Last Migration," with pictures by Keuble.

## The Canadian Queen.

THE new management of the *Canadian Queen* make the following liberal offers to advertise their high class *Ladies' Journal*, which will be made more attractive than ever. To the person sending the largest list of words constructed from the letters contained in "Excelsior," will be given absolutely free of expense, one Mason & Risch fine toned high grade upright Piano. To the two next largest lists one *Lady's Gold Watch* each. To each of the next five largest lists one Sewing Machine (value \$40.00). To each of the next ten largest lists one beautiful Five O'clock Tea Set, and to each of the next ten largest lists one Imported Opera Glass. In addition to this offer, we will give a special prize to the first list received each day. Send at once ten cents for a sample copy of *The Queen* containing rules. *The Queen Publishing Co., Ltd., Toronto, Canada.*

A river of ink that is suitable for writing with is one of the curiosities of Algeria.

# Mustard Plasters

IMPROVED.

A test and comparison will show that the Mustard Plasters prepared by **JOHNSTON & JOHNSTON** are of greater strength and generally superior to others. They do not decompose or change with age.

ARE IN VERY HANDSOME CONTAINERS.

*Johnston & Johnston, - New York.*

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Full list on application.



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**Vaseline Soap, Unscented,**

75c. per dozen, list price.

**Vaseline Soap, Perfumed,**

\$2.00 per dozen, list price.

**Vaseline "Blue Seal,"**

2 oz. bottles \$9.00 per gross, list price.

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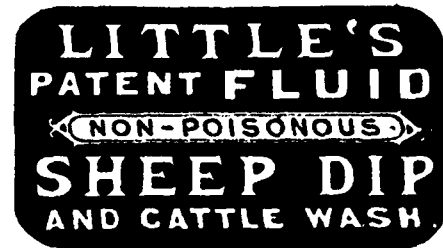
1 oz. tin boxes \$4.30 per gross, list price.

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**FOR THE DESTRUCTION OF TICKS, LICE, MANGE, AND ALL INSECTS UPON SHEEP, HORSES, CATTLE, PIGS, DOGS, ETC.**

Superior to Carbolic Acid for Ulcers, Wounds, Sores, &c.

Removes Scurf, Roughness and Irritation of the Skin, making the coat soft, glossy and healthy.

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"Little's Sheep Dip and Cattle Wash" is used at the Dominion Experimental Farms, at Ottawa and Brandon; at the Ontario Industrial Farm, Guelph, and by all the principal Breeders in the Dominion and pronounced to be the cheapest and most effective remedy on the market.

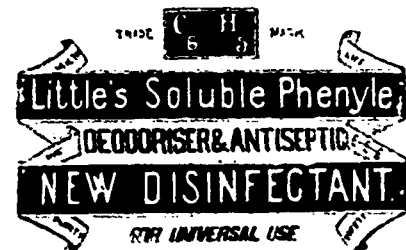
For 17 Gold, Silver and other Prize Medals have been awarded to "Little's Sheep and Cattle Wash" in all parts of the world.

Sold in large Tins at \$1.00. Is wanted by every Farmer and Breeder in the Dominion.

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To be had from all Wholesale Druggists in Toronto, Hamilton & London.



**CHEAP, HARMLESS AND EFFECTIVE.**

A Highly Concentrated Fluid for Checking and Preventing Contagion from Infectious Diseases.

**NON-POISONOUS AND NON-CORROSIVE.**

In a test of Disinfectants undertaken on behalf of the American Government, "Little's Soluble Phenyle" was proved to be the best Disinfectant, being successfully active at 2 per cent., whilst that which ranked second required 7 per cent., and many Disinfectants at 50 per cent. proved worthless.

"Little's Soluble Phenyle" will destroy the infection of all Fevers and all Contagious and Infectious Diseases, and will neutralize any bad smell whatever, not by disguising it, but by destroying it.

Used in the London and Provincial Hospitals and approved of by the Highest Sanitary Authorities of the day.

The Phenyle has been awarded Gold Medals and Diplomas in all parts of the world.

Sold by all Druggists in 25c. and 50c. Bottles, and \$1.00 Tins.

A 25c. bottle will make four gals. strongest Disinfectant. Is wanted by every Physician, Householder and Public Institution in the Dominion.

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## The Useful Varieties of Nutmegs

DR. WARBURG.

The oldest works making mention of the nutmeg speak of several kinds which must have attracted the attention of the earliest Dutch travellers. In 1596, before the conquest of Banda, Linschoten mentioned two kinds of nutmeg—round and long—and in 1605 Clusius gave drawings of a fruit branch of *Nux myristicinus*, as well as the ordinary nutmeg.

In several of the older drawings of Piso and Valentini the leaves of the true nutmeg are incorrectly associated with the fruit of this second variety. The term *Pala metsiri*, often used by Piso, is probably also based upon a confusion of the true nutmeg with a variety. However, it is on the whole clear what is meant, and there is no doubt that all these remarks apply to the *Myristica fatua*, Houtt., a tree which certainly grows wild in Banda and Aunboyna, perhaps also in other of the Molucca islands. Its fruit is scarcely at all aromatic when fresh, in the dry state not at all, while the mace smells disagreeable and not aromatic. The fruit is therefore only used medicinally in that island for dysentery, headache, or as an aphrodisiac and they were brought from thence only as curiosities.

As the intercourse between the Molucas and New Guinea increased, an entirely new kind of nutmeg came into the hands of Europeans, the *Myristica argentea*, Warb. That was probably first noticed in 1666. Since the middle of the 18th century it became an article of commerce in Eastern Asia. Towards the end of that century it was brought to Europe, and at the present time it is the most important article of export from New Guinea. Nevertheless this nutmeg remained undescribed and unknown, as well as the plant by which it is produced.

Warburg succeeded in obtaining information on this point through the assistance of a native who was persuaded to show him some of the trees in Dutch New Guinea. They were characterized by large leaves having a silvery appearance at the under side, and hence the name.

Next to *Myristica fragrans* the *M. argentea* is certainly the most important variety, and that which has the greatest future. The odor is not so delicate as the true nutmeg, and that may be due to the circumstance that it is not prepared and packed with as much care as the true kind. The export from the province of Onin is estimated by Beccari to have amounted to about 125 pounds at the middle of the 18th century, and it exceeded in importance that of all other produce. Since then the regular service of steamers has led to a great increase in this trade. Formerly the nutmegs were sent in small parcels by ships to Banda, there treated in the same way as true nutmegs and sometimes mixed with them. Now they are all taken direct to Macassar where they are shelled and dusted with lime.

The price of them in Macassar is about one-third that of the best quality of true nutmegs.

While formerly these nutmegs were used only in the Malay Archipelago, in the Philippine Islands, etc., by the natives, probably on account of their cheapness, as *Para papua* in the Malay country, as *Aniz moscada* in the Philippines, and came only occasionally to Holland and England they are now regularly imported by way of Amsterdam into England as long nutmegs, and they have been known in Germany since 1890 as horse nutmegs. Apart from the fact that the aroma is not so delicate the nutmegs are also very friable, but the broken fragments can be used for the production of essential oil. They are also very liable to be attacked by maggots even when they have been lined. The aroma is very permanent even when the nutmegs have been kept for a number of years. Samples dating from the previous century have still a strong smell when crushed.

Hitherto the mace has not been brought into commerce. Samples of it brought to Europe have a dirty grey to brown-red color, but this is probably due to defective drying, since some of the nutmegs brought over by the author have a fine dark red arillus that is very oily, and has a powerful odor. It is uncertain whether in drying the mace would acquire the yellow-red color of that from *M. fragrans*, but it is certainly capable of being made useful provided it can be properly prepared.

These nutmegs would come into actual competition with true nutmegs, only in the event of their being carefully cultivated and gathered, as the produce of *M. fragrans* is in Hainan, and it is not improbable that their lower price would be compensated by a larger field.

The nutmegs of *M. argentea* differ from true nutmegs in their narrow, long shape, and the relatively less marked arillus furrows. The arillus generally consists of four broad stripes, which are united above and below. The same with the hard shell is from  $3\frac{1}{2}$  to  $4\frac{1}{2}$  cm. long and from 2 to  $2\frac{1}{2}$  broad. It is broadest at the base and becomes gradually narrower towards the end, externally of a bright red brown color when fresh, but as met with in commerce it is generally rubbed and of a yellow-brown color. The fruit is imbedded in a very thick pericarp, and when fresh it is from  $4\frac{1}{2}$  to  $6\frac{1}{2}$  cm. long and  $4\frac{1}{2}$  to  $5\frac{1}{2}$  cm. broad. The testa is nearly 1 m.m. thick. The endosperm contains much starch, and the brown runcination streaks, which alone contain the aroma, are more scattered and coarser than in true nutmegs. The cotyledons are joined in a disc swelled at its edges to 5 m.m. diameter.

Among other available kinds of nutmegs the author mentioned *M. succedanea*, Reinw., discovered by Reinwardt in the island of Tidore, one of the Moluccas, in 1821. The nutmegs can scarcely be distinguished from those of *M. fragrans*, and they are very aromatic. The leaves and

flowers of this variety are, however, quite different from those of *M. fragrans*.

In New Guinea there is a great number of varieties of nutmeg plants, the produce of which possess some aroma, but though permanent it is generally too feeble to admit of these kinds being used to any extent as substitutes for true nutmegs.

As an adulteration of true mace the arillus of *M. malabarica*, Lam., known under the name of Bombay mace, has been used during the past two centuries. It is much larger and more cylindrical than the arillus of true nutmeg, and the several flaps are united at the apex, forming a conical structure. The anatomical structure is also different, as may be seen by the aid of a microscope. When moistened with hydrochloric acid the Bombay mace presents the marked peculiarity of assuming a greenish color.—*Pharmaceutical Journal*.

## Russian Cholera-Remedies in 1831.

The St. Petersburg correspondent of the Vienna *Pharmaceutische Post* gives an interesting account of the therapeutic treatment of cholera-patients in Russia during the great epidemic of 1831. We must, however, leave him all responsibility for the doses he mentions. First of all the unfortunate victim was bled, 16 oz. being the regulation weight of blood abstracted from a grown person. He was then dieted with beef-tea, hot tea, and a tisane of mucilaginous drugs, then known to therapy by the name of *Mucilaginoso* or *Remedia Blanda*. Sixty grains (*sic!*) of opium (at that time the morphia percentage of commercial opium was lower than it is now) were next administered *per os*, and repeated if thought desirable—this drug being given to attain the diminution of the irritability of the mucous membrane of the stomach and as an antispasmodic. Opium was the great pillar of the cholera-treatment, and, if the dose taken *per os* was vomited up from 135 to 225 grains (*sic!*) were administered as an enema. If no good results followed the administration of either dose, dilute sulphuric or nitric acid in large doses was resorted to, many practitioners being loud in their praises of these drugs. A mixture of calomel and rhubarb (450 grains within six hours, something wrong with the doses surely!) was also a popular remedy. Persons in cholera-stricken districts were advised before leaving their houses to rub their bodies, or at any rate their hands and face, with a mixture of aqua vite and olive oil and to carry with them a vial of a solution of chloride of lime or of vinegar, with which hands and nose were to be rubbed frequently. Small bags of bleaching-powder suspended round the neck were also carried by many.—*Chemist and Druggist*.

Metol is the trivial name given to methylparaamidophenolmetacresol, a new developer.

## Bott's Malt Tonic.



The typical food in Typhoid and other Fevers, fully representing the Digestive, Nutrient and Tonic principles which have been found of such great value in the treatment of certain conditions, among others Dyspepsia, resulting from malnutrition.

**THE STANDARD NUTRITIVE TONIC FOR NURSING MOTHERS AND CONVALESCENTS.**

## Wine of Malt.



A strictly pure concentrated extract of Malt, acknowledged to be the most delicate preparation ever obtained from Malted Barley. Endorsed by leading Physicians and specially recommended by them in convalescence from Fevers, Gastric Disorders and for all Pulmonary Affections. **The only Wine of Malt** manufactured in America—brand secured by registration.

Physicians' samples, and testimonials from the medical profession, furnished on application to the manufacturer.

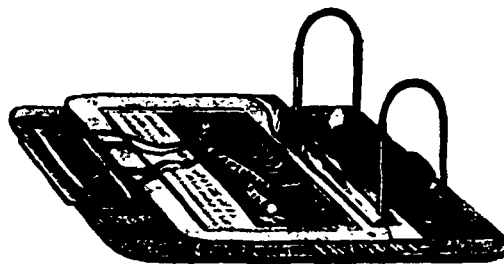
SOLD BY ALL WHOLESALE DRUGGISTS.

Prepared by

**JOHN BOTT, Walkerville, Ont.**

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PRACTICAL  
PRESCRIPTION  
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It is the world renowned SHANNON FILE, with high arch made of a size suited to the filing of PRESCRIPTIONS, which can be perforated and filed at the top or end, as preferred.

The File will hold about 750 Prescriptions. Each File is provided with an Index of eight blank sheets which can be numbered with pen and ink to correspond with numbers of prescriptions. It is best to separate the prescriptions by hundreds and number Index sheets in same manner; for instance, 700-800-900-1,000, etc.

There is no class of papers which it is more desirable to have arranged in a systematic and convenient manner, and yet, it is safe to say, there are no papers that as a rule, are harder to get at.

When filed on the SHANNON PRESCRIPTION FILE, prescriptions can be examined without removal, or removed and replaced with the greatest ease and rapidity, and without any chance of accidental loss or disarrangement.

Price of File, with One Binding Case, \$2.00

Price of Binding Cases, with Indexes, \$4.00 per dozen.

**OFFICE SPECIALTY MFG. CO., - Toronto, Ont.**

BRANCHES: — New York, 77 Chambers St.  
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TORONTO, 118 Bay Street.

## Dispensing Adjuncts.

(Concluded from last month.)

Turning now to the dispensing aids in the form of

### POWDER,

many of them are made from B. P. formula, merely requiring the addition of an excipient or menstruum to convert them into official pills or mixtures. Others are triturations (to adopt a homoeopathic term) of simple powders, for the purpose of having the active ingredients in a finely divided form, or with a view to increasing the bulk of the active drug, so that it may be more easily weighed, and may be quite ready for dispensing in the form of powders.

Of powders for pill masses that should be kept, the following forms are generally needed:

Pil. aloes barb	..... 3 for 4	(conf. rose)
Pil. aloes et asafetida	..... 3 for 4	(conf. rose)
Pil. aloes et ferri	..... 6 for 10	(conf. rose)
Pil. aloes et myrrha	..... 3 for 5	(glyc. and treacle)
Pil. aloes et scocotrine	..... 3 for 4	(conf. rose)
Pil. asafetide comp	..... 6 for 7	(treacle)
Pil. colocynth co.	..... 11 for 12	(aq. dest.)
Pil. hydrag. subchlor. co.	..... 1 for 5	(ol. ricini)
Pil. rhel. comp	..... 17 for 25	(glyc. and treacle)

This list may be indefinitely extended, according to the requirements of individual neighborhoods. Most of the official pill masses should be kept rolled out in 4 grs. or 5 grs. pills, either coated or otherwise, and it is usual to keep a large stock of unofficial pills ready for sale, such as cathartic, Bland's, quinine (various strengths), &c., &c. The time of the dispenser should not be occupied with making pills of such frequent recurrence as these. It is well to keep compound rhubarb pill in mass as well as in powder, as from its composition there is little fear of its getting hard, but on the contrary, it is generally soft enough to form the excipient for any small quantity of powder which may be ordered to be incorporated with it.

Speaking of pills, it should be remembered that the official pil. phosphori is not finished when originally prepared, but, that at the time of dispensing every two parts of the mass has to be incorporated with one part of curd soap. Powders for mixtures will be spoken of under the heading of mixtures, so that attention must now be called to the second-class of powders, those classified as triturations of active ingredients.

Of these, possibly calomel with sugar of milk is the most frequently required, and the mixture should be kept in two strengths, 1 in 8, and 1 in 20, the former being used when a small powder is required with a moderate dose of calomel, and the latter when a small dose is required in the same sized powder. Camphor is frequently prescribed in the powdered form, and for this purpose it is convenient that it also be kept rubbed up with sugar of milk (1 in 5). Grey powder (hyd. c. cret.), calcium sulphide, and many other potent drugs are conveniently kept, mixed with sugar of milk, the particular advantage being that minute quantities are readily and accurately weighed by means

of the inert powder with which it is intimately mixed.

The fact that saccharin is often ordered in place of sugar in the official pulv. glycyrrh. comp., and in pulv. amygd. co. should be noted; in the former case  $\frac{1}{2}$  of a part of soluble saccharin is the quantity to replace the six parts of sugar used in the official formula, and in the latter  $\frac{1}{6}$  of a part of soluble saccharin substitutes the four parts of sugar therein ordered.

Turning now to the powders for, or the concentrated forms of

### MIXTURES.

it is usual in most pharmacies to keep the pulv. pro. mist. cretae, an equivalent of powdered sugar being used instead of the syrup ordered in the formula for chalk mixtures; i. e., 55 grs. of mixed powders (containing 16 grs. each of chalk and gum, and 23 of sugar) being triturated with sufficient cinnamon water to make one ounce of mixture.

The pulv. amygd. comp. ordered in the B. P. for mistura amygdala, should also be kept ready, especially in the season of coughs; though if the demand for it is small, correspondingly small quantities of the powder should be prepared at a time, as it is most essential that it should be quite fresh, otherwise it may develop a slight mustiness. Indeed in some establishments the almonds are beaten up when required to make the mixture, but this is a lengthy process, and it can hardly be said that there is a sufficient difference in the resulting mixture to justify the expenditure of time. The powder keeps well for several weeks if properly made, and this is long enough to use up the small quantity prepared at one time under ordinary circumstances.

The official mistura ferri comp. is advantageously kept in a concentrated form, triple rose water being used, and three times the quantity of other ingredients; of course, the sulphate of iron is not added until the mixture is required, and then one part of the concentrated emulsion is used with two parts of water, and ferrous sulphate in the proportion of  $2\frac{1}{2}$  grs. for each ounce of the finished product is added. The advisability of keeping a concentrated (1 in 4) mistura ammoniaci is dependent upon the frequency with which it is required in each neighborhood. It does not take very long to prepare, and therefore, if very rarely required it is well to make it fresh; but if, on the contrary, it is often prescribed, a concentrated form will be found convenient, and fairly permanent.

A few words in regard to

### CONCENTRATED WATERS,

will not be out of place here. Three of the waters, rose, elder flower, and orange flower, are generally sent from the distilleries in triple or quadruple strengths, and peppermint and spearmint waters may be prepared double strength by using double the quantity of oil ordered officially. But in addition to these, rose water is obtainable 1 in 40, prepared from otto of roses, which is very convenient for

many toilet articles; and artificially prepared waters of aniseed, dill, fennel, &c., may be obtained of double strength by using 2 minims of the respective oil for each ounce of distilled water, and mixing in any of the ways recommended in the various treatises on the subject.

The advantages of keeping concentrated waters are very evident, and are, perhaps, still more appreciated when using ready prepared solutions of salts. For instance, if 4 drms. of potassium bicarbonate were prescribed with 8 ozs. of peppermint water, it could be rapidly dispensed by mixing 4 ozs. of potass. bicarb. solution (1 in 8) with 4 ozs. of double-strength peppermint water. Many such examples will readily occur to readers, and the advantages and convenience of concentrated waters will be acknowledged by all.

Turning now to the much disputed question of

CONCENTRATED INFUSIONS AND DECOCTIONS, it must be admitted by all that great time and trouble is saved by employing them, and therefore the only question at issue is whether the resulting infusion got by dilution is equal to the infusion freshly prepared. Great numbers of opinions have been expressed pro and con, and among physicians who hold the latter views, many of them feel so strongly on the subject that when ordering an infusion on a prescription, they insert the word *recentis* (*recens*) after it.

In the majority of cases, however, both physicians and patients are perfectly satisfied with infusions prepared by dilution of concentrated ones, and as they are, as a rule, chiefly put into a mixture for the sake of the flavor and not so much for their therapeutic value, which, at the most, is but small, the pharmacist is justified in using them. In one or two cases, however, notably the infusions of buchu and orange (simple), the freshly prepared article has an odor and fragrance totally distinct from that of the concentrated preparation, and, in such cases, the infusion should be prepared fresh as required. In all other cases, however, the one is practically indistinguishable from the other, and the dispenser is therefore quite acting within his right of discretion in using the one that is most rapidly and conveniently prepared; he can thus economize the time that is always an object in preparing medicines, besides saving considerable trouble.

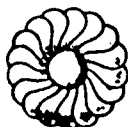
It is well to occasionally make a little of each infusion fresh, for the purposes of comparison, and, of course, care must be always taken to obtain these, as other pharmaceutical preparations, from trustworthy sources.

Various methods for preserving freshly prepared infusions are in vogue in different establishments, but the one that seems to answer most satisfactorily is that performed by raising the liquid to the boiling point for a moment, and then tightly corking. Those who use this process say that infusions, thus bottled, will last for weeks and often months. The practice of

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adding preservative ingredients to infusions and decoctions is hardly one to be commended, though a few drops of rectified spirit would be generally considered admissible.

While on the subject of concentrated infusions, it will be apropos to say a few words concerning

#### CONCENTRATED LIQUORS

for syrups, &c. Here again the same character applies, viz.: that they are undoubtedly a great saving of time and trouble, and the only point upon which a difference of opinion could exist is as to the quality of the product. In this case, however, the argument about the fragrance does not apply, and therefore as long as the liquors are obtained from trustworthy sources the dispenser is certainly right in using syrups made by their agency.

There is, moreover, a positive advantage, irrespective of time and trouble, in dispensing syrups made from concentrated liquors, and that is that the product is perfectly free from any trace of fermentation, a condition which is practically unattainable in vegetable syrups prepared from the herbs and stored in the finished state. They are all liable to fermentation and decomposition even when kept in a cool place and under the most approved conditions possible, and therefore a means of being able to prepare them fresh, when required, is certainly an advance. The syrups of orange peel, chloral and ginger are easily and readily made by the official process, and squills and orange flower with very little difficulty, and as, moreover, they all keep well, they should be prepared according to the official method. But the liquors for the syrups of iron and tolu, and the vegetable syrups, may be prepared with much advantage in many ways from the concentrated liquors.

Great attention is being paid in the present day to aid mechanical dispensing adjuncts, and the work of the operator is rendered a good deal lighter by the employment of some of them; the collection of a great number, however, is hardly a plan to be recommended, as it is rather more likely to complicate than to simplify the work. On the other hand, a judicious choice of them, with the knowledge of when to use them, is a great assistance.

An arrangement of the bottles, &c., of the dispensing counter on a methodical plan should certainly be adopted; probably a strict alphabetical order is not to be improved upon. Every attention should be paid to these, and all other points which tend to assist the dispenser in his duties; for it must always be borne in mind that whatever proportion of his whole business the dispensing practice occupies, it is, nevertheless, the most responsible and most important of the duties of the pharmacist, and therefore every possible arrangement must be made to enable it to be carried out with rapidity and absolute accuracy.—*British and Colonial Druggist.*

### Useful Counter Requisites.

(Concluded from last month.)

#### WINES, SYRUPS, &C.

The quinine wine of the Pharmacopœia prepared with orange wine, should be kept ready in pints and half-pints, and is sometimes preferred in wine bottles (24 ounces), so a few bottles of this size are convenient. A similar preparation, using sherry instead of orange wine, is kept in some pharmacies, and is frequently bought by more wealthy clients instead of that made from the official formula. A fair quality of wine should be employed so that the wine bottle full of quinine sherry should retail at 4s.

Pepsine wine is asked for very frequently in some parts of the country, and in 4-ounce bottles, selling at 2s. or 2s. 6d., seldom hangs on hand. Many good preparations are obtainable in the market, but in case the pharmacist prefers to make his own, the following formula will be found satisfactory:

#### PEPSINE WINE.

##### Take of

Pepsine (in scales).....128 grains.  
Dilute hydrochloric acid ..... 75 minims.  
Glycerine, pure ..... 1 ounce.  
Distilled water ..... 1 ounce.  
Sherry ..... to make 16 ounces.

Dissolve. A teaspoonful for a dose after meals.

The question of whether a chemist should sell the so called medicated wines or not is large and complicated, and appears to be answered in the negative by the majority of chemists. This being the case, formulae will not be given here for the coca, meat and malt, and other wines, which undoubtedly require the retailer to be the holder of a wine license. Formulae for these have been given in back numbers of the *British and Colonial Druggist*, and will be found in the "Manual of Formulae," so that the want can be supplied if necessary.

Few syrups are required, and they are not on the whole very satisfactory stock on account of their proneness to ferment and so burst the bottle. An artificial syrup of lemon, made with citric acid and tincture of lemon, is sold for flavoring purposes and for beverages. A cough syrup may be made according to one of the well-known formulae, and is generally more popular if of a reddish color than any other. Chemical food and compound syrup of the hypophosphites also must find a place, and may be prepared from the formulary of the B. P. C.

Leaving preparations for internal consumption, we next come to articles of a fluid nature intended for external use, and as these are very few in number they can be conveniently grouped together under the one heading

#### EXTERNAL APPLICATIONS.

Of these, a preparation for chilblains comes first, and a very good lotion for chilblains may be made as follows:

Take of

Sulphate of zinc . . . . . ½ drachm.  
Acetate of lead . . . . . 1 drachm.  
Glycerine, pure . . . . . 2 drachms.  
Rose water . . . . . up to 4 ounces.

The lead and zinc salts are dissolved in separate portions of the water, and then mixed with the glycerine and together.

A collodion paint for corns should be put up in small bottles with a brush, and may be prepared from the usual formulæ with salicylic acid and extract of cannabis indica, or a colorless solution can be got by the substitution of lactic acid for the Indian hemp.

Formulae for toothache essences are legion, and the reader shall not be burdened with another. If a few cures can be obtained with the special preparation selected, the pharmacist soon gets a reputation for the article, and a good sale generally results. Probably nothing is more effectual in getting one's name before the public than a good specific for toothache, for the fact seems to be circulated from one to the other with surprising rapidity. The number of cases of toothache are so great, and the pain so agonizing, persons suffering from toothache will try nearly everything under the sun to get relief, and hence there is good scope in that direction.

Bottles of concentrated decoction of poppies and chamomiles can be recommended for the rapid and convenient preparation of fomentation; it dispenses with the operation of boiling the poppy capsules, and, moreover, saves the staining of the saucepan or other utensils in the process. Those customers to whom the preparation is not already known generally hail it with pleasure.

Turning now to the

#### POWDERS

and granulated preparations, a leading line should be made of effervescing saline. A good article should be obtained and put up in six or eight ounce bottles, with wide mouths and tight-fitting corks, the whole being wrapped in circulars, and a neat fancy wrapper. The following makes a very nice preparation:

Take of

Potassium chlorate, in powder . . ½ ounce.  
Magnesium sulphate . . . . . 1 ounce.  
Tartaric acid . . . . . 6½ ounces.  
Sodium bicarbonate . . . . . 7 ounces.  
White sugar . . . . . 1 pound.  
Oil of lemon . . . . . as required.

Mix thoroughly, and preserve in well stoppered bottles.

Effervescing citrate of magnesia is always popular, and of course seidlitz powders form a staple article of daily consumption; the latter should be carefully weighed, not measured, and must of course be prepared with the finest materials obtainable. Unfortunately the cutting prices have of late made a commoner article necessary, but the pharmacist should leave these to the grocer, and content himself with selling the very best article, even if at a higher price.

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- Wright's Vermifuge.
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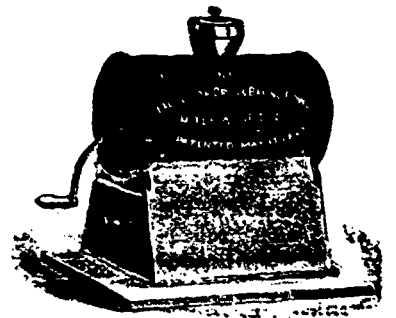
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subject of daily additions to the literature of the pharmacist.

Numerous formulæ and suggestions for every branch of the subject are to be found, including perfumery, dentifrices, pomades and washes for the hair, cosmetiques and preparations for the skin, &c., &c., and it is altogether too vast to be treated in any detail in the short space at our disposal. Moreover, the requirements of every neighborhood differ, as well as individual tastes and fancies, and therefore no hard and fast line can be laid down as to what is best put up and what should be made a leading specialty.

Of dentifrices, two or three pastes are required, and from nine to a dozen powders. The latter should be put up in turned-wood boxes and in bottles with wide necks and boxwood-topped corks. One or two washes are also required, such as saponaceous (quillaia), antiseptic and astringent; and the tinctures of myrrh and borax should also figure largely in the stock.

Preparations for the hair should comprise three or four pomades, crystallized, nutritive, lanoline and rosemary, one or two washes—Erasmus Wilson's—and rosemary and cantharidine, in addition to the popular lime juice and glycerine and brilliantine. Formulæ should be got for non-separable preparations of both of these, as the former in two parts looks very bad, and the latter, if non-separable, is out of the common, and likely to become a specialty.

A capital non-separable lime juice and glycerine is made by emulsifying nut oil with a concentrated solution of borax (say 30 grains to 1 ounce); to this is then added a small quantity of solution of potash, which completes the emulsification and makes a stable product. It is perfumed to taste. Non-separable brilliantine may be made as follows:

Take of

Castor oil.....4 ounces.  
Absolute alcohol.....4 ounces.  
Saffron.....4 grains.  
Otto of rose.....8 drops.

Macerate the saffron in the alcohol, which should be almost entirely free from water, and then strain and mix with the otto—a perfect solution should result.

The list of preparations for the skin is an ever-varying quantity, and while in a few pharmacies it is confined to glycerine and rose water and cucumber and glycerine, others have a most extensive assortment of washes, cosmetiques, creams, powders, &c., &c. A wash under a fancy name, made from harmless ingredients for whitening the skin, finds a ready sale, and may be prepared from bismuth, oxide of zinc, and chalk, triturated with glycerine, and made up with rose water; it should of course be nicely perfumed.

Cold cream is always popular, and of recent years preparations of lanoline have come much in request. The following formula for lanoline toilet cream is very satisfactory:

Take of

Lanoline.....4 ounces.  
Liquid paraffin.....1 ounce.  
Distilled water.....1 ounce.  
Vanilla.....2 grains.  
Otto of rose.....1 drop.

The paraffin and water are thoroughly mixed with the lanoline, which is readily accomplished, and the perfumes are then incorporated.

Of powders, Fuller's earth and violet powder still hold their own, but there are many others recommended for the face, either colored with carmine, or left white, having as a basis French chalk, bismuth, magnesia, and chalk. Oxide of zinc is very suitable as an addition to violet powder, and to face powders.

A good toilet vinegar should also be put up, and if in white glass bottles with sprinkler tops, finds a ready sale. A leading feature may also be made of an anti-catharrh smelling bottle, and the word "eucalyptus" in this connection is always attractive.

It has only been possible in an article of this length to briefly indicate the lines upon which the counter and cases of a successful pharmacy should be stocked, but if further formulæ or advice on any point are desired they can be obtained at any time by applying to the "Notes and Queries" column of this journal, which makes a specialty of such points.—*British and Colonial Druggist.*

### Physiology and Pharmacodynamics in Schools of Pharmacy.

R. H. BROWN, M. D.

These two studies must necessarily go hand in hand. Physiology, always of absorbing interest, is of great practical importance to the pharmacist as a preparation for the study of the actions of drugs on the animal economy, nor could the therapeutical application of drugs be properly understood without a knowledge of the normal workings of the organism upon which these substances are intended to act. The proper understanding of toxicology, too, depends upon the knowledge of physiology. Toxicology is a branch which no one will question the propriety of teaching in our pharmaceutical colleges. Yet, is the study of poisonous effects of drugs complete without some knowledge of the actions of these same poisons in controlling diseases? Should not the pharmacist be able to recognize when the physiological action of a drug has been exceeded and the toxic effects begin to manifest themselves?

The true student will ever seek to know the uses of the things that surround him. No intelligent mechanic but will be able to explain to you the uses of the tool he is engaged in making. The artisan who could not tell you the uses to which his handicraft is adapted would be esteemed but an ignorant craftsman. And shall the pharmacist who prepares our medicines and compounds our prescriptions be ignorant of the virtues of the very drugs he handles? Assuredly no one who is worthy of the title will long remain thus

ignorant. The man who would content himself to live, day by day, in an atmosphere of drugs, surrounded by his tinctures and extracts, and feel no desire to investigate the uses of the material of his calling, deserves never to rise above the work of cleaning show cases and drawing soda. For such men our colleges of pharmacy were never intended, and into such indolent minds the desire for collegiate education rarely enters.

But shall the true student of pharmacy—the one who is not satisfied to skim over the merest rudiments and acquire just enough to enable him to obtain a bare license, with the timely aid of pitying classmates or a friendly "pony"—shall such a man be compelled to attend other schools when he wishes to dip below the surface and study the action of drugs, not in the test tube or crucible, but in the human body? Or must he pick up whatever crude conceptions may be suggested to him by his daily routine work?

The young men of to-day find that obtaining profitable positions is far from an easy task. There has been a time (when our country was newer) when the mere fact of being a man and having the will to work, and being possessed of fair intelligence, was practically a guarantee of success. But to-day we find that all occupations are crowded. For every position there are scores of applicants. The only safe course for a young man is to be thoroughly conversant with the work he wishes to undertake. To those thoroughly educated in a special line of work, provided only their education does not make them feel above the drudgery which must be found in all employments, there is to-day assurance of remunerative positions, but to those who have not prepared themselves for their chosen work disappointment will come.

Pharmacy and medicine overlap each other. The physician would be but poorly equipped for his work without a knowledge of chemistry, materia medica and pharmacy, and the pharmacist should not be altogether ignorant of therapeutics. No one's usefulness is ever impaired by wider knowledge. A physician who knows enough of pharmacy to correctly appreciate its scope, difficulties and responsibilities, never wants to compound his own medicines while the services of properly educated pharmacists are available; and a pharmacist who knows enough about the modes of action of medicines upon the vital organs of the human body and their functions to be an intelligent and safe compounder and dispenser, is the last to be tempted to usurp the functions of the physician.—*American Journal Pharmacy.*

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<b>Hypnon</b> , per oz. . . .	1 00	<b>Terpinol</b> , per oz. . . .	25
<b>Iodoform Bituminate</b> , " . . .	90	<b>Theine</b> , " . . .	30
<b>Iodol</b> , " . . .	1 30	<b>Thiol</b> , " . . .	35
<b>Methyl Blue</b> , " . . .	1 10	<b>Thioresorcin</b> , " . . .	1 00
<b>Methyl Violet</b> , " . . .	65	<b>Tinct. Simulo</b> , " . . .	50
<b>Methylene Blue</b> , " . . .	1 00	<b>Urethane</b> , " . . .	55
<b>Mullein Oil</b> , " . . .	65		

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**THE JOHNSTON & JOHNSTON Co.**  
(LIMITED)

200 King Street West,

TORONTO,

- ONTARIO.

### On Fluid Extracts of Erythroxy- lon and Cinchona.

PROF. JOSEPH P. REMINGTON, PH. M.

From the proceedings of the American Pharmaceu-  
tical Association, July 16.

During the past winter the writer has been engaged in examining practically the various menstrua for the official fluid extracts and the results of these labors may be summarized as follows: The menstruum for Fluid Extract of Erythroxyton in the present Pharmacopœia contains more alcohol than is necessary; the best results were obtained from menstrua made by mixing one part of alcohol with two parts of water, both by volume. This made a fluid extract in which the very slight precipitate was found to be of inert matter.

In the case of the Fluid Extract of Cinchona, the menstruum which yields the best result was one which was composed of four parts of alcohol and one of glycerine, both by volume, finishing the percolation with a mixture of four parts alcohol and one of water, both by volume.

This menstruum yields a fluid extract, which though exposed for six months to a lower temperature than that prevailing at the time of its percolation, has not produced any precipitate whatever.

### Politeness in Business.

One of the largest and most successful houses of New York City furnishes its employees with a set of rules, among which the following is the one most rigorously insisted upon, as it has been found to contribute more to the success of their business than probably all the others put together.

"Be invariably polite and obliging to every one, not only for the benefit of the company, but for your own good. Remember that civility, while it may be one of the scarcest articles in the market, is also one of the cheapest, and the net profit on it to you in the end will be greater—not only from a social and moral point of view, but in the dollar and cents—than on anything else you may have to offer a customer."

This is a sentiment which we firmly believe it will pay every business man and his clerks to learn by heart and to make it the rule of their lives. Pleasant manners are of the most inestimable value to business men, and especially to those who are brought into direct contact with the public. In the retail line many a business has suffered materially, while others have been entirely ruined by the inability of the proprietor to show a pleasant face continually while being subjected to a badgering by a half-dozen whimsical and shallow-brained customers. A customer may be fully aware that one may "smile and smile, and be a villain," and that a courteous disposition and affable manners may be no criterion of a person's character; that, in fact, he stands more chance of being cheated by the polite dealer than by one of morose and surly temper; yet,

such is human nature, that nine out of ten people, particularly those of the gentler sex, would actually prefer, if they had a choice, to be cheated by a pleasant-mannered man, rather than to patronize a surly, disagreeable dealer of the most undoubted integrity.

And yet one frequently finds enterprising dealers who are punctilious in the the matter of stock and its display, and who are strenuous in their efforts to extend their trade by every channel open to them, who allow that trade to be hampered and new patrons repulsed by neglecting so small an essential as common politeness.

Affability and pleasant manners do not by any means imply servility, and there can be no excuse for the dealer or clerk who fails to display them in the interests of the business. Politeness is one of the few weapons that the small dealer especially has at his command to meet the competition of larger dealers, as the larger the business the greater number of assistants required, and the less chance of the customers being treated with uniform deference—clerks being apt to be more wanting in this respect than the proprietors of stores. Those who doubt our assertion that this advantage is not fully utilized by the average dealer will find by observation that our remarks are not altogether founded upon theory.—*Ex.*

### The Dangers of Dust.

The dust of our public streets is really matter endowed with infectious properties. The germs of malignant disease is to be found in the filth we tread beneath our feet. The bacilli of tuberculosis will live on a sidewalk or in a gutter for three months; of typhoid, a month; of cholera, twenty days; of diphtheria, fifteen days.

Doctors have asserted that these parasites perish rapidly when thus exposed to the atmosphere, but the above facts, collected from eminent scientific sources, completely refute their statements. And it should be observed that these street infections are daily and hourly renewed.

It is a phenomenon which seems to authenticate this view that our easterly winds, which pulverize and scatter street dust in all directions, constantly bring with them catarrh, bronchitis, pneumonia, and la grippe. The latter always increased when the gales blew from this direction, and there was a corresponding decrease after squalls from the west.

How, then, can we best diminish the dangers of dust? An imperative demand upon common sense is that all processes which tend to disturb it and cause people to inhale it or bear it away upon their clothes should be at once ended. The fashion of wearing dresses which serve as street brooms is worthy of nothing but condemnation. It simply ends in placing upon a person's lungs that which should disappear down the nearest sewer.

The same applies to our present methods of street sanitation. Streets, says Doctor

Manfredi, of Naples, should be washed down with water, and water rendered antiseptic by some inexpensive fusion.

It is time to take a bolder flight in these directions. Infectious maladies have recently had a greater hold than for several years past. And these observations attack a great source of public danger.—*New York Ledger.*

### Cholera's Probable Effect on the Drug Trade.

Despite the reassuring head lines in the daily press and the equally reassuring articles and interviews which follow them to the effect that the cholera scourge, now raging with such awful virulence in many parts of Europe, will not reach our shores, one cannot but entertain some apprehension in the matter. When such ports as Hamburg, Antwerp and Havre all in direct communication with our principal ports on the Eastern coast, become infected with the pestilence, it matters not what precautions are taken, the possibility still exists that cholera may smite us, perhaps not so severely as it has the unfortunate countries of Europe, but still with a severity which will leave a lasting impression. This close proximity of cholera besides the terrible dread it brings with it as a disease, has also a bearing on the drug trade, to which we would call the attention of our readers.

There is the ever present danger of the transmission of the disease by means of the clothing and personal effects of emigrants hailing from the infected ports, and although this danger may be guarded against by the health officers of New York, there is always a possibility that the dread disease may find an entry here through the medium of cargoes of vessels clearing from Hamburg, Antwerp or Havre. New York does a large business with these ports, and no small part of it consists in transactions in crude drugs. While it is hardly probable that any of the goods in which the drug trade are interested would afford even a temporary harbor for the germs of cholera (unless it were in the sacks and packing materials), the fact that they come from an infected port will be enough to induce some buyers to repudiate their contracts, and on this score it is quite possible that the importers of drugs will have a good deal of trouble. Indeed, we know of one house doing a large import business which has decided to import no more drugs from infected ports until the abatement of the pestilence.

Again, even supposing that no danger is to be feared in the importation of drugs from the cholera infected districts, it is at least a reasonable supposition that the very preventive measures, which this government must adopt, will in themselves have an effect upon the drug trade which cannot well be overlooked. Doubtless many of the vessels which will, in all probability, be detained at quarantine, will have on board cargoes of drugs,

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Which makes a big attraction in your window and draws a bevy of purchasers to your store.

☺ You ask in astonishment what will do that? Why, **Adams' New Automatic Tutti-Frutti Girl Sign Box** does it.

If you are doing a large business you don't need it, but if you want to increase your sales, get one or two.

☺ Wind it up, place it in your window, and watch the result.

We have some photographic views of this box which we are mailing postpaid to those who apply while they last.

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11 and 13 Jarvis Street,  
TORONTO, ONTARIO.

March, 1892 - VERY IMPORTANT. - March, 1892

## Dupont's Brushes,

SPECIAL VALUE.

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SPECIAL VALUE.

Sole Agents for the **RHENICHE CELLULOID CO.**

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CANNOT BE EQUALLED FOR VALUE.

*Our line of FANCY BOXES and ALBUMS are the finest we ever produced, and entirely new and different from anything ever shown here before.*

**A Magnificent Line of BALL and OPERA FANS.**

*Druggists will have our special attention, and we will call on you in good time. NOTE this to your interests.*

## Reinhardt Manufacturing Co.,

MONTREAL.

# The "OZONATOR"

WITH SANITAS FLUID,  
IS THE DISINFECTANT OF THE AGE.

*It is Pleasant, Powerful & Continuous.*



**Note this—it is a Germ Killer.**

JOHN E. WEEKS, M. D., Late Instructor in Bacteriology at the New York Post-Graduate School, etc.—See *Medical Record*, Aug. 3, 1889—has determined with respect to the *Staphylococcus Pyrogenes Aureus* and the *Typhoid Bacillus* that Sanitas Disinfecting Fluid destroyed their vitality in exposures of 4 minutes, and he classes the "Sanitas" Disinfectants very high among the most effective Germicides.



**School Boards should be canvassed by Druggists.**

16th March, 1892.  
"We have now for some months had your 'Ozonator' in use in the Water Closets of our various schools. Concerning them I am able to state that they have worked to our satisfaction in counteracting bad odors and sweetening the air."

E. W. ARTHY,  
Supt. of Protestant Public Schools, Montreal.

**Where they are used they are liked.**

Nicolet College, 2nd April, 1892.  
"When navigation opens I shall go to Montreal and will try and bargain for FOUR MORE."

M. G. PROULX PIRE.

The "Sanitas" Disinfectants are now in use by upwards of 1,000 Boards of Health, Sanitary Authorities, Hospitals, Asylums, Workhouses, and other Public Buildings, who have adopted it because "Sanitas" is the best Disinfectant.

See pamphlet containing "Reports on 'Sanitas,'" by Medical, Chemical and Sanitary Authorities."

**The Ozonator a necessity where Diphtheria and Typhoid exist.**

New York, October 10th, 1887.  
Sanitas Disinfecting Fluid I have used both internally and externally in twenty-seven cases of typhoid fever and twenty-three of diphtheria, besides numerous cases of dysentery, and consider its action upon micro-organisms far better than carbolic acid or any other disinfectant. Beside, pleasant to use and renders it very easy to use or administer.

J. W. SMALL, M. D.

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Also in full 2 oz. Vials at \$5.25 per gross.

We will Print your Name and Address on Label when desired, free of Cost.

A full size sample by mail on application.

SPECIAL QUOTATIONS FOR QUANTITIES.

**Argoline Pomade.**

**Argoline Camphor Ice.**

**Argoline Cold Cream.**

**Argoline Camphorated.**

**Argoline Carbolated.**

Our goods are clarified by U. S. process of filtering through bone charcoal, and *not* by the German process of *bleaching* with *acids*.

## ARGOLINE MANUFACTURING COMPANY,

HOMESTEAD, PA.

which, to say the least, will be delayed in their transit to this country. It is needless to say what the probable effect of such delays may be, especially if there happen to be a scarcity in the local market of any of the drugs in question.

Moreover, if fumigation is resorted to, as is likely to be the case, even more marked difficulties will have to be combated; for while many of the drugs would doubtless pass through the ordeal uninjured, all delicately scented leaves and flowers will run a very great risk of being ruined. To take one instance, suppose a consignment of chamomile flowers should be strongly and lastingly permeated with the odor of carbolic, it is scarcely conceivable that they would remain a merchantable article. With the shortage in the new crop of both German and Roman flowers, any unusual depletion of supplies would undoubtedly advance the prices materially.

We have so far been considering the probable effect of the scourge, as we may say, at this end of the route. But there is another side to the question. Already the drug trade has experienced some of the effects of the cholera in Russia. In our last issue we alluded editorially to the fact that the appreciation in opium is to some extent due to the increased demand for morphine, consequent upon the scourge in Russia. This week we have to note that ergot has advanced, due largely to the plague in Russia, where the cholera has prostrated many who are connected with that interest. And thus it is likely to be with many articles of commercial interest in the drug trade, the primary markets of which are within the radius infected by the awful disease. To how great an extent business is likely to be affected, or prices influenced, it is difficult to determine, but it is reasonable to assume that as long as the cholera remains epidemic and perchance for some time after its cessation, the drug trade will be reminded of it through its effect upon their immediate interests.—*Oil, Paint and Drug Reporter.*

### Antiseptics and Disinfectants.

The prevention of disease is the unselfish mission of the modern physician. Antiseptics and disinfectants to-day occupy the first place in medical and surgical practice. Dilute solutions of acids have been strongly commended as preventive of cholera. The Liquid Acid Phosphate is an efficient agent in securing the desired condition of acidity.

Copper Arsenite Tablet Triturates,  $\frac{1}{100}$  and  $\frac{1}{200}$  grain, have been extensively and successfully used in dysentery and diarrhoeal disorders and are indicated in cholera, both for specific action in controlling intestinal secretion and for relieving the profound anæmia.

Eucalyptus and Thymol Antiseptic is adapted for use as an antiseptic internally, externally, hypodermically, as a douche, a spray, by atomization, and as a deodor-

ant. Its application in surgery is unlimited. It is an excellent dressing for wounds. It combines the antiseptic virtues of benzoic acid, boric acid, oil of peppermint, oil eucalyptus, oil wintergreen, oil thyme and thymol.

Tablets of Yellow Oxide of Mercury, containing two hundredths of a grain of the oxide, are a valuable prophylactic against dysentery and enteric fever. They prevent fermentation and putrefaction, and render aseptic the alimentary tract.

Chloranodyne is a combination of anodynes, antispasmodics, and carminatives which has been employed in gastric and intestinal troubles. It acts very happily as an anodyne and as an astringent in cholera, dysentery, diarrhoea, and colic.

Antiseptic Liquid arrests decomposition and destroys noxious gases that arise from organic matter in sewers and elsewhere, and may be used in cellars, barns, out-houses, and the sick-room.

Antiseptic Tablets are convenient for the extemporaneous preparation of antiseptic solutions of definite strength of mercuric bichloride for disinfectant purposes and for antiseptic sprays.

Disinfectant Powder possesses in a high degree disinfectant, absorbent, and antiseptic properties. It is admirably adapted for the disinfection of excreta in cholera, yellow fever and typhoid fever.

Sulphur Bricks are effectual in the fumigation and disinfecting of rooms after infectious diseases.

Ethereal Antiseptic Soap (Johnson's) was devised by an experienced nurse in the surgical clinic of the Jefferson Medical College. Its marvelous cleansing powers make it a valuable adjunct to the armamentarium of the physician and surgeon. Mercuric Chloride can be dissolved in it in ordinary proportions.

Parke, Davis & Co. will be pleased to forward, on request, any information desired concerning these products.

### "Saturday Night's" Christmas Number.

The cover, which contains a picture in photo-lithograph in seven colors and as many half-tones, is "Ye Gentlemen and Dames of Olden Times." The pictorial supplement, which is larger than that of last year is a reproduction of a picture owned by the proprietors of *Saturday Night*, entitled "Her Bright Smile Haunts Me Still." It is exceedingly lovely and no one can pass it without turning to look again at the beautiful face and the look of farewell. The stories this year are as follows:

"Tom's Little Sister," by John Habberton, author of *Helen's Babies*.

"The Nephew of His Uncle," by Octave Thanet, author of *Expiation*. (The most popular magazine writer in America.)

"The Rich Relation," by Geo. Parsons Lathrop. (There is no more attractive name in American magazines.)

"Kate Gordon's Christmas Miracle," by Julian Hawthorne.

"Little Lady," by Ida Burwash, probably the prettiest story in the book.

"Senior the Engineer," by Edmund E. Sheppard.

All these stories are magnificently and copiously illustrated by the best artists in New York and London. Mr. Sheppard's story is being specially illustrated by Mr. F. A. Feraud of New York, from photographs and studies made by the author while in Mexico, and, artistically at least, this will be one of the most prettily illustrated tales that has ever appeared in America. It can be well understood that the well known names in the above list cost a great deal of money to procure for a Christmas magazine, but *Christmas* is the one time when *Toronto Saturday Night* advertises itself and in its Christmas Number it does it well. *The Newsdealer, Publisher and Stationer's Bulletin*, the Canadian correspondent of which has seen advanced copies of all that is promised by *Saturday Night* this year, says that "It will doubtless be the most beautiful publication ever attempted in America and compares more than favorably with *Figaro* and the most expensive Old Country Christmas numbers." It is something for Canadians to boast of, for while much of the work requiring the greatest possible artistic skill has to be done abroad, the enterprise is purely Canadian and will redound to the credit of Canada.

### Europphen in the Treatment of Burns.

Dr. Siebel warmly recommends a 3 per cent. ointment of europphen in the treatment of burns of every degree of severity. Under its use the discharges were markedly diminished, so that it was found possible to allow the dressings to remain for from three to four days without discomfort. Severe burns were completely healed after three or four renewals of the dressing. A point of great importance is that the europphen ointment affords immediate relief of the pain. Symptoms of poisoning were never observed; to test this matter the author took internally 6 to 8 grammes of a 20 per cent. solution of europphen in oil every day for a period of three weeks, without experiencing the least trouble. Dr. Siebel concludes that his results were better than from the use of iodoform, over which it possesses the advantages of being innocuous and devoid of disagreeable odor.—*Berliner Klinische Wochenschrift.*

A CHEMIST in M. Pasteur's laboratory in Paris has made the discovery that no living disease germ can resist for more than a few hours the antiseptic power of essence of cinnamon. He looks upon it as not less effective in destroying microbes than corrosive sublimate. Even its scent kills them and it does no harm to human beings.

It takes a million pounds of ink every year to print Uncle Sam's paper money and revenue stamps.

**To Retail Druggists and Chemists**

Yearly contracts for advertising **ST. JACOBS OIL** have been made with all the leading newspapers of the Dominion, and other means have been adopted to extend the sale of this Great Remedy. Novel advertising matter, bearing dealers' card, furnished FREE upon application to **EDWIN A. WILSON, Canadian Depot, TORONTO, ONT**



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**Toothache, Sore Throat,**  
**Frost Bites, Sprains, Bruises,**  
**Burns, Etc.**

**A New and Important Book on the Manufacture of Ink, the only one in the English Language.**

**JUST READY.**

**The Manufacture of Ink.**

Comprising the Raw Materials, and the Preparation of Writing, Copying and Hektograph Inks, Safety Inks, Ink Extracts, and Powders, Colored Inks, Solid Inks, Lithographic Inks, and Crayons, Printing Ink, Ink or Aniline Pencils, Marking Inks, Ink Specialties, Sympathetic Inks, Stamp and Stencil Inks, Wash Blue, etc. Translated from the German of **STANISLAUS LEYER, Chemist and Manufacturer**, with additions by **WILHELM F. BRANN, Editor of the "Techno-Chemical Receipt Book"**. Illustrated. In one volume, 12mo, 200 pages, price \$2.00.

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**Manufacture of Perfumery**

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An extract from a letter written by Strong, Cobb & Co., of Cleveland, O., to their traveling salesman under date Nov. 10<sup>th</sup>/91.

"We call your attention to the popularity and sale of Dent's Toothache Gum. It is no longer an experiment. We have bought and sold since Oct. 1890 an aggregate of one hundred and fifty gross without a single complaint being lodged against its efficiency as a perfect toothache cure. Push it with confidence."

Yours truly,

*Strong Cobb & Co.*

C. S. DENT & CO., Proprietors and Manufacturers, Detroit, Mich.

## CANADIAN DRUGGIST.

WM. J. DYAS, EDITOR AND PUBLISHER.

OCTOBER 15th, 1892.

## No Change in Discounts.

A short time ago a circular was issued to the trade signed by all the Wholesale Druggists of Canada, announcing that on and after October 1st the rate of cash discount to be allowed on all purchases paid within thirty days from date of invoice, would be reduced to 3 per cent. instead of 5 per cent. as previously allowed. This proposed advance, however, has been abandoned, owing, we believe, in a great measure to the strong feeling it created amongst the retail trade, and also to the subsequent opposition of some of the wholesalers who signed the circular, they feeling that the limiting the discount to three per cent. would have a tendency to divert both the patent medicine and drug sundries trade into the hands of outsiders, all of whom gave the larger discount.

## Auspicious Opening.

The thirteenth session of the Ontario College of Pharmacy opened in the college building, Gerrard street, east, on Thursday, September the 15th ult., with an attendance of 94 students.

The Registrar-Treasurer, Mr. I. T. Lewis, after a few words of welcome and advice to the class, introduced Mr. J. H. Mackenzie, the energetic chairman of the Education Committee, who in the absence of the President, Mr. Hall, welcomed the class on behalf of the Council and assured them of the interest it would take in their success. He impressed upon them the necessity of regular attendance at the lectures and demonstrative work, and that application to their studies which would insure them final success and bring credit to the institution they were attending. With the facilities for giving thorough practical instruction which the college now afforded he felt confident that some of them would there receive such an incentive to chemical research, that they would in time win a position of fame for themselves and rank amongst the noted ones in chemical history. Their privileges and opportunities were great and he trusted they would make good use of them.

The Dean, Prof. Heebner, then addressed the class in words of kindly caution and experienced advice, after which Prof. Fotheringham delivered the opening lecture, the entire faculty being present.

The present session is the first designed to give instruction to enable the students to properly qualify for the degree which the Provincial University is pleased to confer, and while the late class made a very creditable record for the school in this respect, the present one, with a more complete equipment and knowledge of what will finally be required to obtain the coveted degree, should do even bet-

ter, and its progress to attain that end will be watched with considerable interest, not only by those who are already graduates, but by those who have yet the hill to climb.

## A Gigantic Almanac.

THERE is a wonderful almanac coming out in Canada, nearly four hundred pages, with colored maps, to be known as the *Star Almanac*, and to be published by the publishers of the *Montreal Daily and Weekly Star*. It is to be ready very shortly. So much has it been admired that the publishers have received security for the publication of fifty thousand copies.

## The Plagues that Plague the Druggist.

## No. I.

THE first plague of the druggist is he who, having no business of his own to attend to, determines to kill time pleasantly in his friend's drug store. Sometimes he goes so far as to announce his fiendish intention in some such considerate remark as, "I have an hour or so with nothing to do so I thought I would come in and spend it here." Often the loafer is a chronic one, and the poor druggist groans aloud as he sees him enter his store. Naturally one with nothing to do is not likely to have much interesting conversation to share with a friend, so he repeats his tale until the suffering drugman knows it all by heart.

It may be that the loafer is musical, in charge of a choir, training a chorus, or teaching an orchestra; it may be that he grows cucumbers and currants; it may be he has time to waste fishing, or it may be he has a horse. The result is always the same. The druggist's ears are racked by the well worn familiar tale of musical capabilities, vegetable monstrosities, immeasurably large trout, incalculably swift horses. So rapt is he in his enthusiasm a customer entering deters him not, but, like the Ancient Mariner at the wedding feast, he holds the agonized drugman until he finishes his tale. It is usually at night that he, bat-like, emerges from outside shade, and while gas, oil or electric light blaze at the proprietor's expense, he steals from the suffering one the few minutes of leisure so coveted for gathering up the loose strands of the day's work before "folding his tent like the Arabs and as silently stealing away."

Well, if it be only this. But how often has the tired drugman, after twelve hours of duty, to say in modest suggestion, "I am sorry to disturb you, but it is past the time for closing and I am very tired." But the druggist's annoyance is not the only aspect of the question. His business is injured by this blood-sucking nuisance. Patrons of drug stores dread the loafer, fear his remarks, and resent his knowledge of their wants, and the victimized store-keeper often sees a possible customer approach the doorway, and at the sight of

the vampire turn upon his heel and proceed towards another store.

There are worse loafers even than these—the self-satisfied young man of the present day seated upon your counter and tapping his Russia leather shoes with his walking stick while he puffs his cigarette smoke over the down on his upper lip; and the hardened old smoker filling your store with the stench of his ancient pipe and the rankest of tobacco.

What, now, is the remedy for the plague? It is idle to hint, "I am very busy just now." No such mild suggestion vanquishes the selfish tyrant. It remains simply to allow him some day to tax your good nature beyond all endurance, and then pour into his astonished ear (as he has so often poured his tale into yours) your unvarnished opinion of his fascinating habits. It will pay you in the end whether he be your best customer, or, as is usually the case, no customer at all. Rid of him, you will do more than enough work extra to pay you for your loss of his custom, and others, more profitable, will take his place.

Of the loafer above named, one might suggest a partial botanical description:—Perennial evergreen; Habitat, drug stores; Epidermis, much indurated and difficult of penetration; General structure, woody and very dry; Limbs, capable of entwining around adjacent objects; Leaves, very late at night; As regards Inflorescence: Ovaries, rarely any; Properties, emetic, nauseating, irritating, depressant, exciting to murder or suicide; Uses, much cultivated by the simple druggist, but proved to be injurious rather than useful; Suggested Remedy, total extermination.

## Editor Canadian Druggist:

DEAR SIR,—Thinking that a word from the Secretary, as to the progress of the Provincial Pharmaceutical Association of Ontario, might be of interest to your readers, you might state in your next issue that the replies to the circular appealing for members are coming in in good numbers from all over the Province. These replies in most cases contain, besides the membership fee, an expression of satisfaction that the new organization has been called into being, and what is most encouraging to the executive officers a large number have pledged themselves to do all they can in their respective districts to ensure the success of the Association.

I take this opportunity to remind the entire body of Ontario druggists that this Association is started in their interests. The Druggists have been writing and talking about it for years—it is now an accomplished fact, and it is with them to make it beneficial to every member of the College engaged in the retail drug trade.

If there are 800 druggists in Ontario, there are yet over 600 to hear from. The membership fee is but fifty cents, and the secretary's address is

G. A. McCANN,  
208 Dundas-st., Toronto.

# Armour's Nutrient Wine of Beef Peptone

Combines the stimulating action of sherry with the nutritive value of Peptone. Fresh beef artificially digested forms the basis of this elegant preparation. It is actually a *food*, and while useful in all cases of debility, is particularly indicated in conditions of extreme collapse, where prompt action is demanded.

Prepared at the laboratory of

## Armour & Company Chicago.

### DON'T YOU WANT THE BEST ?

Within the month, the dullest of the year, Hazard, Hazard & Co., Fifth Avenue Hotel and Newport, have bought 24 dozen Ricksecker's 1-oz. perfumes, 12 dozen half-pint colognes, etc., etc. They sell very few other American Perfumes.

**☞ Look in the principal Drug Stores of New York, Boston, Chicago, etc., where competition is hardest—why is it Ricksecker's goods undeniably lead ?**

We heard a man condemn his druggist because he sold him a bottle of ordinary perfume with his name on. He would not use it, nor would he or his wife trade again at that store. The druggist wonders why.

The druggist who lowers his standard from FINE goods to MEDIUM soon worries over dull business. His competitor who sticks to fine goods gets the trade.

Mr. Scott, of "Scott's Emulsion," asked a leading druggist of London, Eng., for a bottle of the best perfume made. The druggist handed out and sold him a bottle of Ricksecker's Golden Gate.

Mr. Bancroft, of Hudnut's "Herald" store, reported the same experience in a Dublin drug store. The Irish druggist remarked: "nothing finer made."

**☞ We refuse to sell dry goods stores.** The methods for pushing Ricksecker's Perfumes are legitimate. We want you to know our goods. They invariably lead where known, even in Great Britain, Canada, etc.

WHY NOT SEND FOR THIS \$25 TRIAL ORDER NO. G. NO EXTRAS.

New Show Card, "The Engagement" .....	\$20.00	\$2.00
One dozen assorted Clover, Violet and Lilac Cologne .....		1.75
One dozen New Rich, 1 oz. Perfumes, complete .....		4.50
One-dozen dozen New Perfumes, Unassorted .....	6.00	1.50
One-third dozen New Perfumes, 2 oz., 4 kinds .....	9.00	3.00
Half dozen New Violet Powder, oval box .....	1.50	.75
Half dozen Face Powder, assorted, White, Pink, and Yellow .....		1.75
Half doz. 7 oz. Spray Top Covers, Violet and Lilac, assorted .....	8.00	4.00
One elegant 16 oz., Violet Cologne .....	14.50	1.25
Half dozen Skin Soap .....	1.75	.27
One dozen New Tooth Powder, assorted .....		1.75
Half pint Martha Washington Perfume .....	4.00	2.00
Half pint Danish Rose Perfume .....	4.00	2.00

\$25.25

### HOLIDAY AND WEDDING GIFTS, 1892.

*Surpassing in elegance and variety all previous efforts of this house, are now offered in nearly 100 numbers.*

*Each perfume, cologne, bottle, label, package and name is different from the imitators who cheapen contents and packages and degrade a fine present into a burlesque.*

*You know your success and satisfaction with our goods.*

*Your esteemed orders will be appreciated and promptly filled.*

## THEO. RICKSECKER, New York.

DAVIS & LAWRENCE CO., (Limited) Montreal, Sole Agents for Canada.



## Seventh Annual Meeting

OF THE NATIONAL DRUGGISTS' ASSOCIATION.

One of the most successful meetings ever held of this Association was that which convened at Montreal on September 19th. The attendance was large, there being over 250 delegates present. The business transacted was important, the papers read and reports submitted showed progress in the work of the association, and the social programme was one thoroughly enjoyable and fully appreciated by the visitors.

The opening session of the convention was held on Monday afternoon in the ladies ordinary of the Windsor Hotel, prayer being offered by Rev. Dr. Rose, Mr. Wm. A. Robinson, Louisville, Ky., president, in the chair.

Mayor McShane, in his usual hearty manner, welcomed the visitors to the city, and was responded to by Mr. D. L. Noyes, of St. Paul.

The president then delivered an address to the convention in which he referred to the fact that it was the first time they had met outside of the United States; welcomed the new members and recorded with regret the death of 20 members during the year. He said that the association has now attained such proportions, with a membership representing such vast territory and diversified interests, that the importance of thorough local organization should be emphasized by this convention, and suggested that a committee should be appointed to consider the question. After suggesting a number of changes in the constitution and referring to the valuable services of his brother officers, the president expressed the hope that the 18th annual convention might follow wisely in the footsteps of its predecessors for the accomplishment of its ends: "To promote fraternal and social relations between the wholesale druggists of the country; to guard against feelings of distrust and jealousy that may at any time arise; to restrain competition by other than honorable methods; and discountenance all customs not in accordance with sound business principles; and to establish rules and regulations whereby all grievances and differences may be fairly and equitably adjusted." (Applause.) The address was referred to a special committee to report upon the suggestions it contained.

The report of the treasurer, Mr. Samuel Strong, Cleveland, showed the association to be in a flourishing condition financially, there being a balance of over \$2,000 on the right side.

The report of the secretary, Mr. A. B. Meriman, stated that the total membership last year was 425. Of this number 237 are in the active list, 182 in the associate, and 6 in the honorary list. The total membership at present is 434. The report reminded the members of the condition of the trade prior to the organization in 1876, and especially in the sale of

proprietary goods, when at least 33 1/2 per cent. of the sales of every wholesale druggist in the country was entered up without a cent. of profit, and if so, then an actual loss; for competition in those days was no respecter of balance sheets, and the then unknown "banquet" could not mollify the aspersions cast upon rival firms by competitors, who, in many cases, were personally unknown to each other. This association has secured to members an assured profit, where before it was positive loss; and the present profit on proprietary goods in the orders of the average jobber any single day will cover the annual dues. The secretary therefore urged the importance of maintaining the organization so beneficial to all. In closing he referred in eloquent words to the death of their ex-president since the last meeting.

Mr. Fred. L. Carter presented the report of the committee on infringement of trade marks, which debated that there were very few such cases during the year. Prominent among them was the case of Keasbey and Mattison vs. the Brooklyn Chemical Works et al. to determine whether the plaintiffs claim of "Bromo-Caffeine" as a valid trade mark should be held, and the "Carlsbad" case which was a trade mark case involving the question whether a city has a right to its own name in the sale of natural products put on the market by the same. It is entirely different from any other trade mark, because it was usually supposed that a geographical name would not be protected by the court. In both of these cases the broad ground is taken and affirmed that the originators of a business name or trade mark must be protected in the enjoyment of that remuneration which their efforts and outlay have made possible.

Mr. R. N. Kline, Philadelphia, presented the report of the Proprietary Committee, which stated that since last report nothing has occurred to materially change the status of the contract system. The plan has become so much an indispensable part of the terms of proprietors and dealers that neither class now seriously considers its abandonment. One of the chief causes which threatened to lead to general demoralization in 1888 again demands attention, namely, the divisions of commissions by salesmen with their customers. To prevent a recurrence of this the committee believes that it will be absolutely necessary to amend our contracts so as to provide for sub-contracts by jobbers from each and every salesman they employ. A list of such salesmen should be filed with a central committee, and when violations are proved against any one he should be promptly discharged, and no other member of our association should employ him until he has been fully exonerated by our proprietary committee. Protection to retailers has made no material progress during the year. The A. P. A. plan is not yet in force. There is no doubt that the present operations of the plan are against the honest retailers, and the plan must be modified

in favor of state organizations. All efforts should be concentrated on preventing supplies reaching aggressive advertising cutters. The reason why retail protection has not become a reality may be summed up in three words, "lack of unity." The committee is of opinion that the question of retail protection should be referred to a special committee.

A long and interesting discussion followed on the important question of maintaining prices and closing out cutters. Mr. Kline, in reply, pointed out that any plan must have the unanimous support of the retailers. The hope of success lay in local organization. The retailers must go home and organize there and then come to the convention as a body and the matter will quickly be settled.

The Membership Committee report showed a large number of Canadian firms applying for membership, among them being Lyman, Sons & Co., Kerry Watson & Co., Wilson, Patterson & Co., Brayley, Sons & Co., and the Alpha Rubber Co., all of Montreal; G. T. Fulford & Co., Brockville, Ont., and T. B. Barker & Sons, St. John, N. B.

The most animated discussion in connection with the meetings, took place in connection with the Paddock Food Bill, which passed the American Senate and is now being considered by the House of Representatives. This bill deals with the Government regulations regarding adulteration. The majority of the speakers expressed themselves as unfavorable to the bill as at present framed and a committee was appointed to draw up the objections made to it.

The programme for the entertainment of the visitors was prepared by an entertainment committee composed of Messrs. Thos. P. Cook, Frank S. Hubbard and Albert E. Richardson, with Mr. Charles Lyman as chairman. On Tuesday evening the formal reception of members took place at the Windsor Hotel, and it was followed by a promenade concert and a very pleasant dance wound up the evening. Wednesday's social proceedings comprised an excursion tendered by the Montreal Drug trade, leaving by special on the G. T. Railway at 12.30 and shooting the rapids on the steamer "Sovereign," on which luncheon was served, and the glorious weather helped to make the trip much enjoyed, the ladies being especially delighted. Carriages were waiting to convey the visitors from the wharf to the Windsor, and the Fire Brigade then gave them an example of their smartness and proficiency.

In the evening a concert was given in the Windsor Hall in honor of the visitors and it was largely attended. It proved most interesting. The programme comprised musical and vocal selections. The Victoria Rifles Band contributed marches and selections of national and plantation songs. Songs were given by Prof. Achillie Fortier, Miss Agnew, Mr. Jos. C. Barlow, Mrs. T. Ramsay, by the male quartette, Messrs. J. C. Barlow, Henry Miles, J. T. Barlow, jr., and William



**THE CROWN PERFUMERY COMPANY'S**

DELICIOUS NEW PERFUMY,  
**CRAB APPLE BLOSSOMS**

It is the daintiest and most delicious of perfumes, and in a few months has superseded all others in the boudoirs of the grandest dames of London, Paris and New York. — ARONAUCT.



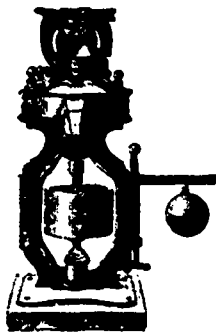
**THE CROWN INVIGORATING LAVENDER SALTS.**

The delightful New SMELLING-SALTS and agreeable deodoriser—appreciated everywhere as a most refreshing luxury. By leaving the stopper out for a few moments a delightful perfume escapes which freshens and purifies the air most enjoyably. — L. K. FOLLER.

Genuine only in Crown Stopped Bottles. Reject spurious imitations which cause disappointment to the purchaser. 500,000 bottles sold during the past year.

177, NEW BOND STREET, LONDON.

**THE ORIGINAL Bogardus Patent Universal ECCENTRIC MILL.**



Will grind anything. Dry or Liquid, Hard or Soft, such as Drugs of all kinds, salts, roots, stems, berries, argols, spices, sugar, coffee, bones, fertilizers, clay, paint, etc.

**Ink, Blacking, Paints-in-Oils, Etc.**

Has a world-wide reputation of being the

**BEST MILL IN THE WORLD.**

Catalogues sent on application. Address the manufacturers,

**J. S. & G. F. SIMPSON,**  
26 36 Rodney Street,  
BROOKLYN, N. Y.

Used by all large drug houses.

**CHIVERS' CARPET SOAP**

Thoroughly Cleanses and Restores Carpets.

Warranted to take out GREASE or INK, and restore the Colors.

Likewise in all Woollen Fabrics.

Sold in Balls at 20c. Each.

Ask for Trade Prices and Testimonials.

**J. H. WALKER,**

9 Gerrard St., East, TORONTO.

**CAMPBELL'S QUININE WINE**  
CURES—Dyspepsia, Low Spirits, Loss of Appetite, Painful Digestion, Malaria, and gives tone and vigour to the whole system.

**Homeopathic Vials.**  
THE **RED STAR LABEL**

MANUFACTURED BY

**T. C. WHEATON & CO.,** Millville, N. J.  
HAVE NO SUPERIOR.

When ordering of your wholesale dealer ask for the Red Star Brand and you will get the best at a moderate price.

W.A. GILL & Co. COLUMBUS, OHIO, U.S.A.  
**PLAIN, LACQUERED AND DECORATED BOXES**  
MAKE THE BEST SEAMLESS TIN  
• IN THE MARKET •

For sale at Manufacturers' Prices by the leading wholesale druggelists and druggists' sundrymen throughout Canada.

**THE ODELL DOUBLE CASE TYPEWRITER**

ONLY \$20.00.



\$0,000 IN USE.

No Typewriter will equal the work of our Double Case for clean impression, perfect alignment and number of copies of manifold at one impression.

Our new machine has 25 characters, and is the only Typewriter in the world where a capital or a small letter can be obtained without changing the position of the fingers, and having check perforator attachment. Send for catalogue.

**ODELL TYPEWRITER CO.,**  
335-34 Dearborn St., CHICAGO.

**JOS. E. SEAGRAM**  
DISTILLER

**Pure Spirits**

**Rye and Malt Whiskies.**

Sole manufacturer of the celebrated brands: "OLD TIMES" and "WHITE WHEAT."

DIRECT IMPORTER OF WINES AND LIQUORS.  
WATERLOO, ONT.

A. J. LANGLEY, T. M. HENDERSON,  
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**LANGLEY & Co.**

ESTABLISHED 1858.

**Wholesale Druggists**

21 and 23 Yates Street,

VICTORIA, - B. C.



"COTTAM'S" Bird Seed and Cuttlefish Bone keeps our birds in health and song. It is so very choice and clean we use no other. — *Bird Dealer.*

ONLY 10c. PER LB.  
ASK YOUR GROCER AND DRUGGIST FOR IT.

If you want the Trade of your vicinity, sell only **COTTAM'S BIRD SEED.**

You will give satisfaction and treble you sales.

**COTTAM'S BIRD BREAD (Patented)**  
Sold at 5c. per Cake, is wanted in every house where a bird is kept.

Send for Price List, etc.

**BART. COTTAM,**  
400 Talbot Street, London, Ont.

**W. J. DYAS & Co.**  
**Druggists & Chemists**

Manufacturers' Agents

AND DEALER IN

**Druggists' Sundries.**

Strathroy, Ontario, Canada.

P.O. BOX, 599.

Millar. Miss Agnew also gave a piano solo and a piano duet with Mr. Emery Lavigne.

On Thursday evening the annual banquet was held and on Friday a number of the members took a trip to Quebec and the White Mountains, and from thence to their respective homes. The next meeting of the Association will be held in Detroit.

The officers for the ensuing year were declared elected as follows:—President, James E. Davis, Detroit; 1st Vice-president, J. A. Gilman, Boston; 2nd Vice-president, D. D. Phillips, Nashville; 3rd Vice-president, H. E. Marvin, Toledo; 4th Vice-president, W. A. Hoover, Denver; 5th Vice-president, C. W. Snow, Syracuse; Treasurer, S. N. Strong, Cleveland; Secretary, A. B. Meriman, Minneapolis.

Before finally adjourning the delegates unananimously adopted the following report of the committee on entertainment:

"At no time in the history of this Association has your committee felt so entirely in harmony with the injunction of the apostle which reads: In everything give thanks. Passing in review the delightful experiences of all other years—the cordial hospitality, the excursions of always rare beauty and historic interest—we give the place of honor unhesitatingly to the Montreal meeting. In memory we will recall all that is graceful and cordial in hospitality with the added flavor of being a semi-foreign soil. Then only the memory of grand Mount Royal and the beautiful panorama at its feet, of quaint old Quebec, its citadel and decided foreign flavor, of the beautiful St. Lawrence and Ottawa, of our ideal ride upon their waters, then we shall more than now give thanks that not distance, not cholera, not McKinley bill nor any other disturbing element prevented us from enjoying the rare pleasure afforded the Association in this first meeting outside the jurisdiction of our own Government. Thanks to the ones who proposed this new departure, to those whose cordial invitation brought us here, and most hearty thanks to the Mayor of Montreal for his welcome and greeting in the name of the citizens; and to the fire department for their unique and splendid display.

"Nothing has been left undone by the Committee of Arrangements that could conduce to our comfort and enjoyment. In our memory of this charming meeting there will be a strange mingling of strains of Yankee Doodle, Dixie Land and God Save the Queen, making us truly thankful for the great brotherhood of men which knows no North, no South, no place or country, but sharing together all these good things, thank God reverently for the possibilities of our age, our great American country, and last of all, that we are members of the 'National Wholesale Association.'"

On presenting the report the chairman said:—

"The ladies desire me to mention in most earnest terms their appreciation of the courtesies extended to them. The care

and attention for their comfort and entertainment by the committee has been most keenly appreciated, and at this meeting in the Dominion of Canada, as at all similar ones in the United States, the gentlemen in charge have proven that among all other good things vouchsafed to the Drug Association not the least is always a Committee of arrangements of consummate ability."

#### Toronto Retail Druggists' Association.

At the annual meeting for election of officers, held on the 23rd ult., the following were selected for the ensuing year:—President, W. A. Hargreaves; Vice-pres., G. J. Little; Secy.-treas., R. W. Campbell. Executive and Finance Committee, W. H. Gilpin, F. W. Flett, C. D. Daniels, J. H. Mackenzie, and G. A. McCann, the selection of Divisional Presidents and Secretaries being left in the hands of the President and Executive Committee.

Mr. Campbell presented the annual report which showed the Association to be in a healthy financial condition.

A well merited vote of thanks was tendered to Mr. Campbell for the marked efficiency with which he had discharged the onerous duties of his office.

Mr. McKenzie explained the successful actions brought against the T. Eaton Retail Jobbing Co., and enjoined upon druggists the strictest observance of the registration provisions of the Pharmacy Act.

A red strip label of enclosed design, long used by H. Sherris for such drugs

In accordance with the Pharmacy Act this article must be labelled

**POISON**

But its preparation remains unaltered.

as Bromide and Iodide of Potash, Pinkroot, &c., which, though not publicly recognized as poisons, have yet to be labelled as such, was adopted by the Association, and the secretary was ordered to get out a number for distribution to city druggists.

The Executive Committee was instructed to bring in a report naming such patent preparations as it would be well for druggists to affix such a poison label to.

A subsequent approved motion recommended that the attention of the Provincial Association be directed to the wisdom of taking steps in conjunction with the Council of the College, to secure an official analysis of all patent preparations which are known or supposed to contain any of the poisons scheduled under the Pharmacy Act.

The Secretary was instructed to insert a card in the CANADIAN DRUGGIST, and the Canadian Pharmaceutical Journal, announcing date of Association meetings, so that druggists visiting the city might make it their privilege to attend.

Professors Scott, Heebner, Fotheringham and Chambers were elected honorary members, after which the association adjourned.

#### Gratifying Words.

During the past month we have received a number of highly complimentary letters from various parts of the Dominion. The following selections from some of these show the estimation in which the CANADIAN DRUGGIST is held by the trade:

Moose Jaw, Assa., N. W. T.—"Enclosed find P. O. order for subscription. I like your journal very much."

Bright, Ont.—"Enclosed find money order for subscription for your very spicy, newsy and educating journal—success."

Manitou, Man.—"I count your journal the best in its line of any at present before the trade."

Charlottetown, P. E. I.—"Your last issue was the best number of any druggists' magazine (excepting possibly some special issues) I have ever seen."

#### Answers to Correspondents.

Apprentice, Seaforth.—There is nothing in the Pharmacy Act forbidding an unqualified assistant or apprentice from selling or dispensing medicine, but the proprietor renders himself liable in case of any mistake being made. See section 19 of the Ontario Pharmacy Act.

Subscriber, Grenville, Que.—A solution of Carbolic acid in either water or oil, applied freely has proved very effective. Another remedy is carbolic acid and coal tar mixed in the proportion of 1 oz. to 1 quart. Cresol (crude carbolic acid) in the proportion of 3 tablespoonfuls to a pail of water, is also effective.

Drugs, Ottawa.—The following is said to resemble the preparation named:—

℞ Zinci Sulph . . . . .	¼ drachm.
Plumbi acet . . . . .	1 drachm.
Tinct. opii . . . . .	2 ounces.
Tinct. catechu . . . . .	2 ounces.
Aq. rosæ . . . . .	6 ounces.

Mix.

The formula for Squibb's Cholera Cure is given in another part of this number.

#### BUSINESS CHANCE.

**\$9,000 CASH** will purchase an established, good paying, light manufacturing business, goods "trade marked," exclusive monopoly, sell for cash to wholesale and retail druggists. Will be turned over clear of all liabilities or indebtedness of every kind and description. Full particulars on interview only. Address

J. W. DITMAN,  
166 Adelaide St. W., Toronto.

#### BUSINESS WANTED.

**WANTED**, a good paying drug business with a stock of \$2,000 or \$3,000 dollars, for which cash will be paid.

THOS. COMFORT, Aylmer, Ont.

#### FOR SALE.

**ORGAN** for sale cheap, Mason & Hamlin make, suitable for house, school or church, two octaves, pedal base, in first-class order.

G. A. WALLACE, Chemist,  
Bramford, Ont.

FOR SPECTACLES, &c.

THE MONTREAL OPTICAL AND JEWELLERY COMPANY, LIMITED.

**FALL SUPPLY**

OF THE FOLLOWING

**Leading Cough Remedies :**

- Gray's Syrup Red Spruce.
- German Syrup.
- Bickles' Syrup.
- Ransom's Hive Syrup.
- Harvard's Syrup.
- Allen's Lung Balsam.
- Hagyard's Pectoral Balsam.
- Kemp's Balsam.
- Wistar's Balsam.
- Horehound Balsam.
- Horehound and Tolu Balsam.
- Honey Balsam.
- Turlington's Balsam.
- Carson's Cough Drops.
- Down's Elixir.
- White's Elixir.
- Ayer's Cherry Pectoral.

AND MANY OTHERS.

Your orders solicited.

**The London Drug Co.**

LONDON, ONT.

**Martin, Rosser & Co.**

WHOLESALE DRUGGISTS,

Importers of Drugs & Druggists' Sundries

WINNIPEG, MANITOBA.

**Specialties :**

- Arecanut Tooth Soap.
- Beef, Iron and Wine.
- Quinine Wine.
- Honey Cough Tincture.
- Glycerose.
- Prairie Condition Powders.

**F. F. Dalley & Co.**

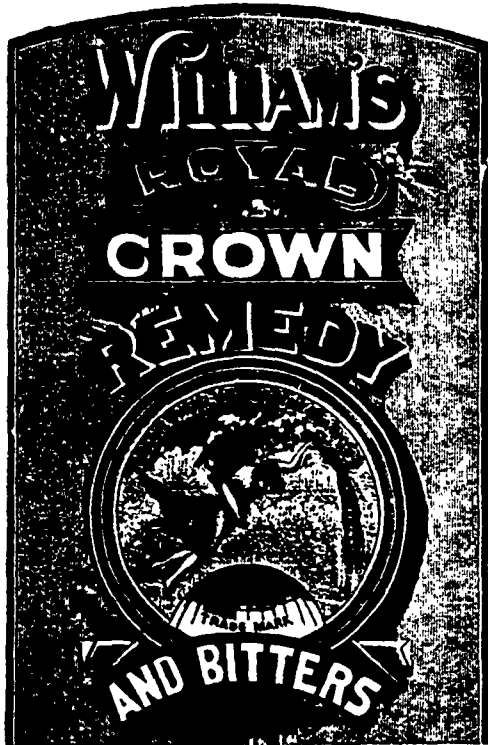
123-125-127 James-St. North,  
HAMILTON, - CANADA.

**Specialties :**

- Hirst's Pain Exterminator.
- May Apple Blood Syrup.
- May Apple Liver Pills.
- Dr. Cazeau's Female Life Pills.
- Dalley's Family Salve.
- Dalley's Family Pills.
- Dalley's Pain Extracting Fluid.
- Dalley's Cholera Mixture.
- Dalley's Horehound Eleeampane.
- Dalley's Eye Salve.
- Dalley's Black Oil.
- Dalley's Gargling Oil.
- Dalley's Condition Powders.
- Dr. Russel's Tooth Drops.
- Dr. Lambeth's Lambago Drops.
- Spanish Blackings.
- Ladies' Shoe Dressings.
- Water proof Blackings.
- Silver Cream Baking Powder.
- Dalley's Baking Powder.
- Dalley's Pure Mustards.
- School Ink (Bulk or Bottles.)
- Mucilage (Bulk or Bottles.)
- Silver Star Stove Polish.

IMPORTERS AND MILLERS OF

Spices, Oils and Dry Salter's Goods,  
Lamp Chimneys, Burners, Wicks, &c.  
Send for Prices - which are Low.



PRICE : \$1 A BOTTLE, SIX FOR \$5

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**Isaac Williams Company**

268 Dundas St., London, Ont.

FOR SALE BY ALL DRUGGISTS.

**H. B. SLEEMAN**

Agent

**Druggists' Supplier,**

Executes orders promptly and cheaply

Drugs,

Patent Medicines,

Proprietary Goods,

Surgical Instruments  
and Appliances,

Druggists' Sundries,

Sponges,

Chamois Skins,

Tooth Brushes.

Personal attention - Prompt Shipment

No Old Stock

No Travellers employed - No Agents

**84, Leadenhall St.**

LONDON, Eng.

Warehouse 13, LEADENHALL STREET

WHOLESALE ONLY.

WHOLESALE ONLY.

### Therapeutic Notes of Interest to Pharmacists.

H. M. WHELPLEY, PH.G., M.D.

**A New Remedy for Baldness.**—Baldness is such an incurable disease that the remedies are very numerous, and, as a rule, quite useless. Among those that have some therapeutic effect is the hypodermic injection of corrosive sublimate. It is used in solutions of from two to five per cent., and five or six drops at a time are injected around the bald spot. This remedy is based on the theory that baldness is the result of microbic infection which yields to the application of this powerful antiseptic. The difficulty with which the treatment is carried out will prevent its general use unless it becomes a specific. In case a never-failing remedy for baldness is discovered, what will become of the front rows at the theatres and the bald head in "funny-paper" illustrations?

**A New Therapeutic Agent on Wheels.**—A new medicine, which is protected by patents but has the indorsement of ethical members of the medical profession, is the bicycle. The dose of this remedy, like that of most others, varies with the age and condition of the patient and the state of the weather. A doctor who prescribes "wheels," and believes in taking his own medicine, says: "As the result of several years' experience, I earnestly recommend the wheel to my professional brethren, and sisters also. It is an infallible remedy against the blues. It is an agreeable rest when fatigued by prolonged carriage riding and the routine of professional duties. Rise early, sip a large cup of bouillon made from a good beef extract to which a teaspoonful of bovinine has been added, then mount your wheel and ride five or ten miles, and you will return to your office with a fine appetite for breakfast and a capacity for work to which you otherwise would have been a stranger." It is not difficult for a doctor to have the courage of his convictions when he recommends such therapeutic agents. It may not be very profitable for the pharmaceutical profession to dispense such prescriptions, but no doubt many druggists will take delight in demonstrating how the medicine is to be administered.

**Facial neuralgia** is one of the most tormenting diseases that human flesh and disposition have to contend with. The disease is well described by that patent medicine advertisement which pictures the poor victim surrounded with a drove of little visitors from the infernal regions. Each one of these little fellows is driving a probe into the patient's forehead. The disease is not readily controlled, even if patent medicines do "cure the worst cases of neuralgia in five minutes." A Berlin physician uses butyl-chloral, and prescribes it as follows:

R Butyl-chloral ..... 40 grains.  
Alcohol ..... 2½ fluidrachms.  
Glycerin ..... 5 fluidrachms.  
Water ..... to make 5 fluidounces.  
Mix.

The dose of this solution is from two to four teaspoonfuls as required.

**To Smother Diphtheria.**—One of the diseases that a regular physician dislikes to be called to treat is diphtheria. Some quacks never fail to cure every case they have, but a physician realizes that it is a fearful disease. The dreadful nature of the disease is increased by the ease with which it spreads; when one member of a family has it, other cases in the same household are almost sure to follow. The celebrated Dr. J. Lewis Smith says the chances of contagion are greatly lessened by use of the following solution:

R Phenol ..... 1 fluidounce.  
Oil of eucalyptus ..... 1 fluidounce.  
Oil of turpentine ..... 8 fluidounces.  
Mix.

Add two teaspoonfuls of this to a quart of water and keep it simmering in an open vessel on a stove in the sick-room. The solution should be renewed from time to time as it evaporates.

**Glycerin as an Intoxicant.**—This comparatively new remedy is now quite generally used in medicine, pharmacy, and the arts and industries. Chemistry told us some time ago that glycerin was a triatomic alcohol, but toppers never took kindly to it, and Prohibitionists did not list it among intoxicating beverages. A French physician has made a discovery which, if confirmed, will in the course of time place an internal revenue on this triatomic alcohol. This doctor had a patient who took three fluidounces of glycerin a day until he became inebriated, and was confined in an asylum on account of his cerebral excitement. Other observers state that they have given more than a pint of glycerin at a dose without any intoxicating effect being apparent.

**Anodyne Liniments.**—It often happens that liniments exert their most beneficial effects through the rubbing that accompanies their application. This accounts, in a measure at least, for the good results obtained from the use of so many and such varying compounds called liniments. Among the more reliable and serviceable preparations are those liniments employed for their power to ease pain. They are often applied without friction. One of the best of these is made as follows:

R Camphor ..... 120 grains.  
Chloral ..... 120 grains.  
Chloroform ..... 120 minims.  
Ether ..... 120 minims.  
Tincture opium ..... 60 minims.  
Oil saffras ..... 60 minims.  
Soap liniment... to make 16 fluidounces.  
Mix.

When taken internally these liniments kill even quicker than Mrs. Winslow's Soothing Syrup, so they should be labeled "Poison" and kept out of the reach of all children.

**Which Shall It Be?**—The question of determining the sex prior to birth perplexed the world long before the wise old women and all-knowing men of today claimed to be able to force the coat and trousers or the dress and bonnet. Of all the theories advanced, the one recently

given the world by a physician is the easiest to observe. After four years' observation, he has satisfied himself that we can pronounce upon the sex of an unborn fetus if we know the number of menstruations which have occurred between the preceding delivery and the present pregnancy. If between the birth of one baby and the conception of the next an even number of menstruations have taken place, the second will be of the same sex as the first; if an uneven number, of different sex. This theory assumes the identity of menstruation and ovulation, which few accept, and also that ova discharged are of alternate sexes. Granted that this is true there is one serious drawback to the rule. People will object to having one child in order to find out the sex of the next one. It is always the first one that parents are most anxious about and grandparents quarrel to name. We do not think the problem is yet solved nor the book entirely closed.

**Camphorated Oil in Influenza.**—Tausasia has hit upon the use of this preparation in treating the weak heart which so often follows attacks of influenza. He gave the drug dissolved in oil of sweet almond in the strength of 1 to 2 per cent., sometimes 4 to 5 per cent. Essence of peppermint was useful in disguising the taste. Liberal doses (2 to 4 grammes per diem) were always given; the remedy was always well borne, and no disagreeable effects were observed. The camphorated oil designated by this physician should not be mistaken for the camphorated oil used in this country (*Linimentum camphoræ* of the U. S. P.). The latter is a much stronger preparation. The use of cottonseed in place of almond oil will not matter if it be remembered that the official liquid contains 20 per cent. of camphor. Tausasia also employed it in pneumonia, typhoid fever, and other diseases where an active heart stimulant is required.

**One Way of Catching Cold.**—How we catch cold and why we catch cold are questions that perplex those who endeavor to answer them. A physician who has given six years' study to the subject has made up his mind how we sometimes catch cold. He finds that the unequal covering of the body is to blame for many colds. This is especially true of the exposure of a portion of the body at night while in bed. The suggestion is reasonable, and we have all noticed how a blast of cool air on a small portion of the body will induce a cold. The remedy is to dress judiciously during the day and cover the entire body with an even thickness of bedding at night.

**Dyspepsia** is treated by the *Doctor's Weekly* with the following active but not unpleasant mixture:

R Tr. nux vomica ..... 20 drops.  
Dil. hydrochloric acid ..... 20 drops.  
Chloroform water ..... 4 fluidrachms.

Mix.

This quantity is one dose, and should be taken immediately after meals.

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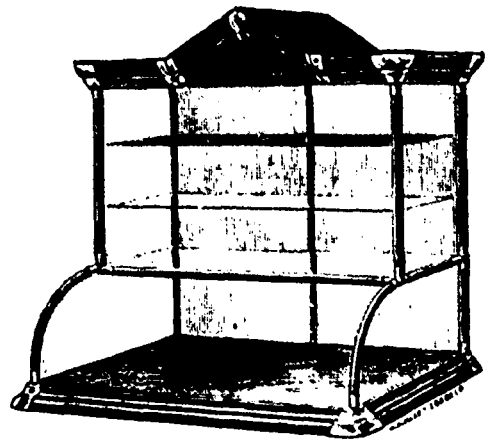
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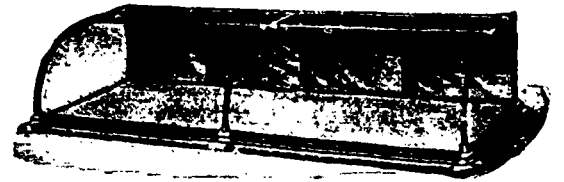
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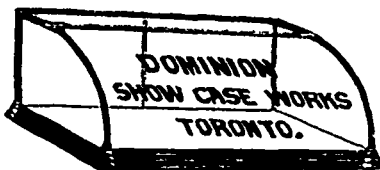


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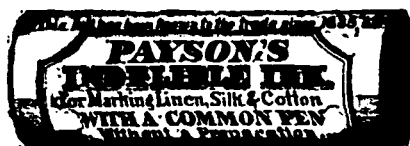
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*A Special Shirt for Night Sweats.*—Dr. R. E. Nelson says: "I read an article some time ago on the remedies for night sweats, in which the writer omits one which I consider as, par excellence, the best of any I have ever tried, and which is a 'salt shirt,' prepared by immersing the shirt in a saturated solution of common salt, drying it thoroughly, and having it worn next to the skin on retiring for the night. I have succeeded with this remedy after the failure of all others." If this kind of a salt shirt acts anything like the one a person wears after a plunge bath in the Great Salt Lake, it will not only stop night sweats, but night sleep as well. One of the patients in the St. Louis City Hospital recommends a much more agreeable remedy. His "sure cure" is to set a basin of water under the bed at night.

*Twenty Grains of Strychnine Did not Kill.*—A man 65 years old took such a dose, and survived; still we do not advise druggists to let such amounts go unheeded in a prescription. In less than ten minutes after the above dose was taken, the victim was subjected to treatment as follows: Apomorphine,  $\frac{1}{2}$  grain, was given hypodermatically; six tumblers of hot water, with three tablespoonfuls of mustard and three tablespoonfuls of salt, were administered by the mouth. Three ounces of tannic acid were likewise given, and the stomach was washed out by means of the stomach-pump. Finally a large dose of potassium bromide and 30 grains of chloral were given, and strict quiet and absence of light and movement enjoined. This is a good example of the value of a thorough knowledge of poisons and their antidotes. If it had been necessary in the above instance to look up the toxicology of strychnine, the patient would never have recovered. Of course, the brief period of time that elapsed before antidotes were given was as exceptional as the size of the dose. As a rule, suicides or accidents are not so accessible to treatment.

*A New Antiseptic Mixture.*—This is an age of antiseptics, and the number of patent and proprietary preparations of this class is very large. Among the scientific antiseptics is the following, which comes from Pasteur's laboratory:

R Phenol . . . . . 90 parts.  
Salicylic acid . . . . . 10 parts.  
Lactic acid . . . . . 20 parts.  
Menthol . . . . . 1 part.

Heat the acids until melted, and mix in the menthol as they cool.

Experiments show this to be a better antiseptic than either of the ingredients alone.

*To Lessen the Size of a "Big Head."*—The Brooklyn Medical Journal has a very pleasant, and they assure us an efficient, way of removing the nausea and depression following a carouse. The remedy is resorcin, which is given in the dose of from 5 to 10 grains in plenty of water flavored with syrup of orange peel; this may be repeated once or twice at intervals

of half an hour. A dose of 10 grains is said to be usually sufficient.

*A General Tonic,* to fix up a shattered system and restore the perverted functions to a state of natural action, is the following, if we are to credit a recent writer:

R Sulphate strychnine . . . . . 2 grains.  
Dil. phosphoric acid . . . . . 2 fluidounces.  
Comp. tr. cinchona . . . . . 4 fluidrachms.  
Mix.

The dose is twelve drops in water, after meals. We would suggest that the remedy be diluted and larger doses given. Tonics are generally given in teaspoonful doses.

*A Very Pleasant Purgative for Children* is made as follows:

R Castor oil . . . . . 4 fluidrachms.  
Infusion of coffee . . . . . 2 fluidounces.  
Sugar . . . . . 6 drachms.  
Yolk of egg . . . . . 1.

Make emulsion.

It is not necessary to tell the little patients that this mixture contains castor oil, or hold their noses to get it down.

*A Safe Vaginal Wash.*—The *Times and Register*, in a gynecological issue, gives the following formula, which we consider a safe and useful antiseptic:

R Beta-naphthol . . . . . 4 drachms.  
Alcohol . . . . . 30 fluidrachms.

Mix. Sig.: Make into solution, and add a teaspoonful to a quart of water which has been previously boiled and filtered. This mixture is then given as a vaginal injection, cold or hot, as the case may require it.

*A New Use for Gold.*—Now that the bichloride (?) of gold has gained such a reputation as a cure for the liquor habit, some doctor in China finds a new use for it. He uses hypodermatic injections to cure the bite of the cobra. This is successful if applied early. Perhaps it is, but we would much prefer to experiment with the whiskey poison.

*Sulphide of Calcium for Boils.*—We have tried this remedy frequently, and never obtained satisfactory results. This experience agrees with that of Dr. Hardaway, who says: "I have used this drug by routine sixteen years, and yet cannot say I have seen any constant or certain effects from it. It seems to me that suppuration is at times hastened by it, but I have never known it to put a stop to the furunculosis. I have had far better success with syrup hypophosphites, and in strumous children I have made use of the following:

R Cod-liver oil . . . . . 4 ounces.  
Saccharated pancreatic . . . . . 1 drachm.  
Glycerite hypophosphites } . . . .  
Syrup lactophosphate lime } a a, 4 ounces.  
Water }  
Oil wintergreen . . . . . 30 drops.

Mix.

The dose is a tablespoonful, after meals."

*Tender Feet.*—The *Medical Age* has a "tenderfoot" editor who swears by the following mixture:

R Oxide of zinc . . . . . 4 drachms.  
Prepared chalk . . . . . 30 grains.  
Oil of eucalyptus . . . . . 20 minims.  
Mix.

Before using this or any other powder, the feet should be well washed. The powder is to be dusted freely over the feet and into the heels and toes of the hose.

#### Note on Emulsion of Cod Liver Oil with Extract of Malt.

W. H. BALLARD, PH. G.

The formula given in the *National Formulary* for the "Emulsion of Cod Liver Oil with Extract of Malt" (p. 42), does not produce a satisfactory result; the mixture always separates in the course of a few hours, however carefully made.

Mucilage of Dextrin is evidently valueless as an emulsifying agent, several kinds of Dextrin having been tried with uniformly poor results.

The following formula gives a very satisfactory result:

Cod Liver Oil . . . . . 4 fluidounces.  
Tragacanth, in powder . . . . . 12 grains.  
Extract of Malt . . . . . 3 fluidounces.  
Water . . . . . 1 fluidounce.

Mix the Tragacanth by trituration in a mortar with the Extract of Malt; then add the Cod Liver Oil gradually, with uninterrupted trituration, and finally the water in the same manner. Transfer the mixture to a twelve-ounce bottle and shake vigorously for a few minutes.—*The Apothecary.*

#### The Elixir of Ammonium Valerate.

H. KAHN.

The formula for Elixir of Valerate of Ammonium given in the *National Formulary* has been thoroughly tried by me, and gives very satisfactory results. The small amount of chloroform prescribed by it (6 minims to the pint) to partially mask the disagreeable taste, has a quite perceptible effect, and an increase of the proportion of chloroform up to doubling it is still more effective, without giving the preparation a noticeable taste of the chloroform. As there can be no objection on therapeutic or other grounds, I would recommend the addition of ten minims of chloroform, instead of six, to each pint of the elixir.—*The Apothecary.*

TUBERCULIN KOCH is now manufactured and sold by the Farbwerke vorm. Meister, Lucius & Bruning, instead of by Dr. Libberts. The same firm prepares the tuberculoicin of Klebs.

A LEUCOMAIN from the urine of epileptics has been identified by A. H. Griffiths, which has been found to cause trembling, pupil dilatation, convulsions and death.

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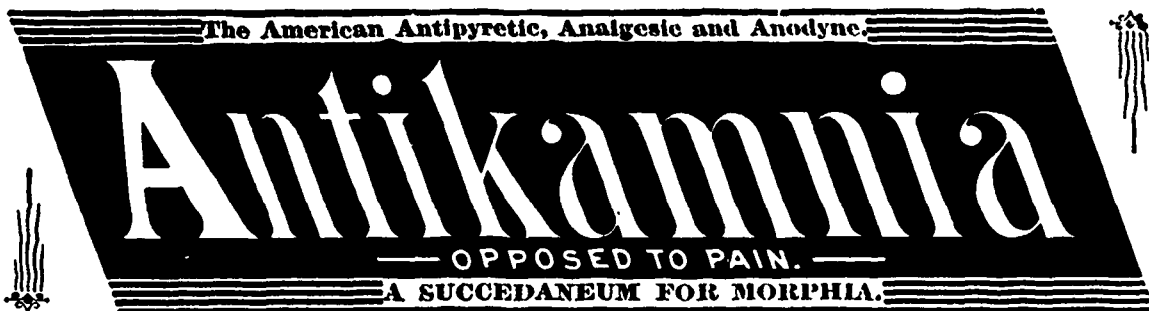
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## FORMULARY.

## FLUID EXTRACT OF TAMARINDS.

A. Nanthopoulos contributes a communication on this subject to the *Revue de Médecine et de Pharmacie*, in which he gives the following formula:

Tamarinds, fresh	2,500 parts.
Orange flower water	100 parts.
Simple syrup	400 parts.

The tamarinds are placed in a percolator (after being cut into small pieces), and treated with water until the percolate comes away colorless. The percolate is filtered and the filtrate evaporated down to 1,280 parts. When cold, add the orange flower water and syrup.—*National Druggist*.

## COMPOUND ELIXIR OF IODINE.

A mixture was discussed under this name in a medical journal, by Dr. W. Pepper, the composition of which is:

Phosphorus	100 gr.
Iodine	1 gr.
Bromine	1 gr.
Elixir N P.	1 fl. dr.

This mixture has been employed with considerable success in cases of torpid circulation with subacute gastric catarrh, and of subacute bronchitis with a relaxed and atonic state of the system. Replacing the simple elixir by elixir of white pine the mixture, it is suggested, might be termed the Compound Elixir of Pine.—*Western Druggist*.

## GLYCERINE AND CUCUMBER.

Jasmine pomade	2½ ounces.
Pulv. sapa. hispan. alb. (fresh)	5 drachms.
Pulv. boracis	4 scruples.

Mix thoroughly in a mortar; when incorporated add gradually following solution:

Otto rose	15 minims.
Oil cinnam. ver.	4 ounces.
Sp. vin. rect.	8 ounces.
Glycerine	40 ounces.
Aqua rose	40 ounces.

Strain through muslin.

## ORANGE QUININE BITTERS.

Tinct. aurantii	8 ounces.
" cardam. comp.	4 ounces.
" calumbæ.	2 ounces.
Acid. sulph. dil.	1 ounce.
Quinine	43 grains.
Syrup. simpl.	4 ounces.
Aq. distil.	ad 80 ounces.

M. Ft. mist. Capt. coch. mag. ter die ex aqua.—*British and Colonial Druggist*.

## TOOTHACHE WAX.

White wax	30 parts.
Venice turpentine	12 parts.
Mastic, powdered	5 parts.
Opium, powdered	3 parts.
Chloral hydrate	2½ parts.

Mix, according to art.

A preparation containing pellitory as an active ingredient has been used to some extent in this country. It reads thus:

Pellitory, powdered	1 part.
Mastic, powdered	1 part.
Sugar, powdered	1 part.
Chloroform	g. s.

Make this into a paste with sufficient chloroform, and at once put into a stoppered bottle.

## PRESERVATIVE TOOTH POWDER.

Precipitated chalk	750 grains.
Carb. of magnesia	28 grains.
Borax	30 grains.
Powd. almond soap	250 grains.
Powd. orris	70 grains.
Thymol	1 grain.
Camphor	½ grains.
Oil of peppermint	1 drop.
Oil of cloves	25 drops.
Oil of lemon	25 drops.
Oil of eucalyptus	25 drops.
Cresote or carbolic acid	10 drops.

Mix the powders thoroughly. Dissolve the thymol and camphor in sufficient spirit, and add; then also the rest of the ingredients, and mix well together.

## ROSE LIP SALVE.

Carmine (best) in fine powder	5 grains.
Glycerin	2 drams.
Cold cream	4 ounces.

Rub the carmine with the glycerine and intimately mix with the cold cream. If not the shade to please, more or less carmine can be used.

## KALODONT.

This proprietary of Sarg, in Vienna, is said by the *Pharmaceutische Zeitung* to have the following formula:

Calcium carbonate, precipitated	500 parts.
Calcined magnesia	100 parts.
Glycerin	1,000 parts.
Castile soap (olive oil soap)	300 parts.
Oil of cinnamon	4 parts.
Peppermint oil	4 parts.

Mix

A rose color is given by the addition of 6 parts of a solution containing 1 gm. of carmine, 1 gm. of potassium carbonate dissolved in 20 gm. of water. A sky-blue color may be given by using tincture of litmus instead of the carmine solution. A mixture of the two produces a light violet, which the *Zeitung* suggests might be useful in making yellowish teeth look white.

## COLD CREAM.

Oil of sweet almonds	26 ounces.
Castor oil (odorless)	6 ounces.
Pure lard (benzoated)	8 ounces.
White wax (genuine)	8 ounces.
Rose water (in winter less, in summer more than quantity named)	12 ounces.
Orange flower water	8 ounces.
Oil of rose	15 minims.
Extract of jasmine	6 drams.
Extract of cassia	4 drams.
Powdered borax	2 ounces.
Pure glycerin	4 ounces.

## LINSEED OIL EMULSION.

Linseed oil	15 ounces.
Oil Wintergreen	2 drams.
Oil cinnamon	2 drams.
Powd. acacia	60 ounces.
Water	24 ounces.
Glycerin	5 ounces.
Simple syrup	10 ounces.
Dilute hydrocyanic acid	2½ drams.

M.—*Ec.*

## CURRY POWDER

Pulv. sem. coriand. (fresh)	18 ounces.
Pulv. sem. cardam. opt.	2½ ounces.
Pulv. circumæ ver. opt.	9 ounces.
Pulv. zingib. Jam. opt.	9 drams.
Pulv. cayenne opt.	9 drams.
Pulv. sem. cummin. opt.	9 ounces.
Pulv. fenugreek ver. opt.	4½ ounces.
Pulv. cinnamon ver. opt.	6 ounces.
Pulv. pimento	6 drams.
Pulv. pip. nig.	3 drams.
Pulv. pip. long.	3 drams.

Pulv. caryoph. opt.	3 drams.
Pulv. myristicæ opt.	3 drams.

To be thoroughly mixed and passed through fine drum sieve.

## EXTRACT OF ROOT BERR.

Fld. ext. false sarsaparilla	10 fl. drams.
Fld. ext. pipsissewa	10 fl. drams.
Fld. ext. wintergreen	4 fl. drams.
Fld. ext. licorice	4 fl. drams.
Oil wintergreen	48 minims.
Oil sassafras	24 minims.
Oil clove	12 minims.
Alcohol	10 fl. ounces.

This "extract" may be mixed with syrup, or it may be diluted with 9 gallons of water containing 1 gallon of refined molasses, and charged in a fountain. If it is preferred to use a fermented article, add to the above, using warm water, 1 quart of east, and keep in a warm place till fermentation is complete.

## ROOT BEER FOR HOME USE.

Sarsaparilla	1½ ounces.
Sassafras	2½ ounces.
Wild cherry bark	2½ ounces.
Wintergreen bark	2½ ounces.

Directions: In 5 gallons of water of luke warm temperature, dissolve ¼ pint of molasses and 2½ ounces of fresh yeast. Allow to ferment for 12 hours, then draw off and bottle.

## Cholera Remedies.

The dreaded scourge, cholera, has appeared almost at our doors, but a strict quarantine has prevented its spread, and thus fortunately prevented, we hope, for this season at least, its ravages in our very midst. It is conceded on all hands that in all human probability this unwelcome visitor will be with us next summer, and, although the druggist will have but little to do with its treatment or with dispensing medicine for it when it does make its appearance, yet there will doubtless be a large demand for preventative or initiatory remedies. The following formulas are selected from various sources, some of which will prove of valuable assistance to druggists:—

## SQUIBB'S CHOLERA MIXTURE.

Chloroform	3 parts.
Tincture opium	8 parts.
Spirit camphor	8 parts.
Tincture capsicum	8 parts.
Alcohol	13 parts.

Mix. Dose 1 fl. drachm.

## DIARRHŒA MIXTURE.

Tincture capsicum	½ fl. ounce.
Spirit peppermint	1 fl. ounce.
Tincture opium	1½ fl. ounces.
Tincture catechu compound	2 fl. ounces.
Tincture kina	2 fl. ounces.
Tincture rhatany	2 fl. ounces.
Spirit camphor	2 fl. ounces.
Water	2 fl. ounces.

Mix. Dose, 50 to 60 minims.

## THIELMANN'S DIARRHŒA MIXTURE.

Wine opium	1 fl. ounce.
Tinct. valerian	1½ fl. ounce.
Ether	4 fl. drachm.
Oil peppermint	1 fl. drachm.
Fld. ext. ipecac	15 minims.
Alcohol, enough to make	4 fl. ounce.

## LOOMIS' DIARRHŒA MIXTURE.

Tinct. opium	4 fl. drachms.
Tinct. rhubarb	4 fl. drachms.

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- Sagola Wild Indian Blood Purifier, per bottle, \$1.00
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- LONDON**—London Drug Co.            C. McCallum & Co.  
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We earnestly recommend all Druggists in Canada to obtain our Druggist Circular and then reflect and see whether it pays them to stand in their own light longer and hold aloof from handling this remedy. The Druggists here in Canada are losing thousands of dollars through not supplying the demand direct: we have agents in other lines of trade wholly foreign to the drug trade, who have sold thousands of dollars worth of Microbe Killer, and with good profit to themselves. We know of hundreds of sales made direct from our Head Office to people who wrote us that they asked their Druggists for it, but instead were told it was not to be had.

Write us for prices, etc.

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- Dr. Fowler's Extract Strawberry,
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- Dr. Fife's Worm Lozenges,
- National Pills,
- Egyptian Salve,
- Dr. Abernethy's Worm Candy,
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- Dr. Low's Pain Cure Oil,
- Milburn's Beef, Iron and Wine,
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- GRAY'S CASTOR-FLUID** for the hair.
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- GRAY'S DENTAL PEARLINE**, an excellent antiseptic tooth wash.
- GRAY'S SULPHUR PASTILLES**, for burning in diphtheritic cases.

**THESE SPECIALTIES,**

all of which have been well advertised, more particularly the "Castor Fluid," may be obtained at all the wholesale houses at Manufacturer's price.

**HENRY R. GRAY,**

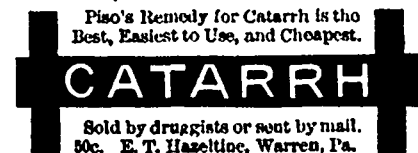
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Pharmaceutical Chemist

22 St. Lawrence Main Street,

(Corner of LaGauchetiere)

**MONTREAL.**



Tinct. catechu comp . . . . . 1 fl. ounce.  
Oil sassafras . . . . . 20 minims.  
Tinct. lavender comp., enough  
to make . . . . . 1 fl. ozs.

## VELPEAU'S DIARRHOEA MIXTURE.

Tinct. opium . . . . .  
Tinct. catechu comp . . . . .  
Spr. camphor, of each . . . . . 1 fl. ounce.

## CHOLERA DROPS.

A vial of so called 'cholera drops,' says the *Pharmaceutische Zeitung*, should be kept in all house holds, to be taken at the first sign of stomach disorder. Here are two good formulae:—

## LORENZ'S FORMULA.

Tinct. valer. ether . . . . . 3 drachms.  
Tinct. ipecac . . . . . 1 drachm.  
Tinct. opii eroc . . . . . 90 minims.  
Ol. menth. pip . . . . . 30 minims.

## WIEDERLICH'S FORMULA.

Tinct. valer ether . . . . . 2½ ounces.  
Vin. ipecac . . . . . 3 drachms.  
Tinct. opii simp . . . . . 1 drachm.  
Ol. menth. pip . . . . . 15 minims.

## AUSTRALIAN CHOLERA SPECIFIC.

Sulphuric acid . . . . . 320 grains.  
Nitric acid . . . . . 192 grains.  
Sugar . . . . . 240 grains.  
Gum arabic . . . . . 240 grains.  
Water, enough to make 1 pint.

Mix the acids with 12 fl. ounces of water, add the sugar and gum, dissolve, and add enough water to make a pint.

Dose, a teaspoonful, followed by a drink of water, and repeated in half an hour, or frequently until the disease is checked. The remedy is claimed never to have failed to cure if taken in reasonable time.

## NEW YORK "SUN" CHOLERA MIXTURE.

Tincture capsicum . . . . . 1 part.  
Tincture opium . . . . . 1 part.  
Tincture rhubarb . . . . . 1 part.  
Spirit peppermint . . . . . 1 part.  
Spirit camphor . . . . . 1 part.

Mix. Dose, 15 to 30 drops in a wine glass of water.

## RUSSIAN CHOLERA DROPS.

Oil of peppermint . . . . . 75 minims.  
Tincture opium . . . . . 5 fl. drachms.  
Wine ipecac . . . . . 2 fl. ounces.  
Tincture valerian, etherial . . . 4 fl. ounces.

Mix. Dose, 10 to 20 minims.

## SPARKMAN'S CHOLERA MIXTURE.

Camphor . . . . . 1 drachm.  
Kino . . . . . 2 ounces.  
Catechu . . . . . ½ ounce.  
Powdered cinnamon . . . . . 1 ounce.  
Powdered cloves . . . . . 2 ounces.  
Powdered capsicum . . . . . 2 ounces.  
Brandy . . . . . q. s.

Moisten the powders with brandy, pack in a percolator, macerate 48 hours and percolate 18 fl. ounces. To this add:

Tincture opium . . . . . 2½ fl. ounces.  
Chloroform . . . . . 1 fl. ounce.

Dose, 60 drops.

## CHOLERA CURE—STIMULATING.

Capsicum . . . . . 4 ounces av.  
Camphor . . . . . 4 ounces av.  
Catechu . . . . . 4 ounces av.  
Opium . . . . . 1 ounce av.  
Oil of cajuput . . . . . 1 fl. ounce.  
Oil of peppermint . . . . . 1 fl. ounce.  
Oil of cinnamon . . . . . 2 fl. drachms.  
Oil of cloves . . . . . 2 fl. drachms.  
Alcohol . . . . . 7½ pints.  
Hot water . . . . . 12 fl. ounces.

Macerate the catechu and opium with the hot water, rubbing them in a mortar

until reduced to a pulpy mass, dissolve the oils and camphor in the alcohol, add the capsicum and the solution of catechu and opium, allowing the mixture to macerate a week or longer, shaking every day, then filter.

Dose, as a preventive, 10 to 15 drops in a little water every morning. For cholera, cholera infantum, cholera morbus, colic, cramp, or internal pain, from 15 drops to a teaspoonful in sweetened water every hour, or oftener if necessary, until relieved. It may also be applied over the pit of the stomach and bowels.

## CHOLERA REMEDY—SERVATIVE.

Tincture of opium . . . . . 3 fl. ounces.  
Hydrate of chloral . . . . . 1 ounce av.  
Spirit (essence) of peppermint . 1 fl. ounce.  
Ether (Sulphuric) . . . . . 1 fl. ounce.  
Tincture of catechu . . . . . 4 fl. ounces.  
Diluted alcohol . . . . . 6 fl. ounces.

Mix the liquids and dissolve the hydrate of chloral in the mixture. Dose and directions the same as the preceding.

## ASLATIC TINCTURE FOR CHOLERA.

Powdered opium . . . . . 1 ounce av.  
Camphor . . . . . 1 ounce av.  
Oil of cloves . . . . . 1 ounce av.  
Powdered capsicum . . . . . 1 ounce av.  
Hoffman's anodyne . . . . . 1 pint.

Macerate two weeks and filter. Dose, 10 to 60 drops.

The *Chemist and Druggist* gives the following advice by the College of Physicians:—

At the request of the Local Government Board, the Royal College of Physicians has drawn up instructions in case of diarrhoea, with a view to the prevention of its development into cholera. The Local Government Board state that in the event of the extension of cholera into England and Wales they will issue regulations requiring local sanitary boards to provide and dispense, without charge, "medicines and medical appliances" for the sick. The College of Physicians describes in considerable detail the sanitary precautions that ought to be taken, as well as the care which should be exercised in dietary, and in regard to medicines gives the following advice:—

"Avoid the use of strong aperients, and especially of strong saline aperients. If there is obstinate constipation, take at bedtime either a teaspoonful of Gregory's powder or one or two teaspoonfuls of castor oil.

"If looseness of the bowels should set in, send immediately for medical assistance, but if not immediately available, take as soon as possible, in capsules or in hot milk, or in any other manner preferred, two teaspoonfuls of castor oil. If, when the action of the oil may be fairly supposed to have ceased, the looseness increases to a watery diarrhoea, let the hips be well raised and carefully inject into the bowels a quart or more of hot water containing 2 drachms of benzoate of soda or 30 grains of tannin. Furthermore if there be much pain in the bowels, 15 to 30 drops of laudanum may be added to the injection. The injection should be retained as long as it is comfortable to the patient, and it may be repeated once or twice daily during the continuance of the diarrhoea, and until medical assistance has been procured.

"After the administration of the injection, if one has been found necessary, the following mixture should be taken at intervals of from three to four hours, according to the urgency of the symptoms:

Mist. creta aromat . . . . . 1 ounce.  
Tinct. camph. comp . . . . . ½ drachm.  
Tinct. chloroform comp . . . . . 20 drops.  
Sp. ammon. arom . . . . . 20 drops.  
Ceri et bismuthi salicyl . . . . . 5 grains.  
Ess. mentha pip . . . . . 10 drops.

Fiât dos 1.

"Should this mixture disagree, or in twenty-four hours fail to give relief, the mixture following should be substituted, and taken every three or four hours:

Acid sulph. arom . . . . . 15 drops.  
Tinct. camph. comp . . . . . ½ drachm.  
Tinct. chloroform comp . . . . . 20 drops.  
Tinc. coco . . . . . 20 drops.  
Syrup aurant. flor . . . . . 1 drachm.  
Aq. mentha pip. ad . . . . . 1 ounce.

Fiât dos 1."

## On the Preparation of Glycerin Suppositories.

PROF. JOSEPH P. REMINGTON, PH. M.

From the Proceedings of the American Pharmaceutical Association, July 16.

Glycerin suppositories are now very largely manufactured and, as is well known, they are used for producing a gentle laxative effect upon the bowels. The problem which has confronted the pharmacist has been to combine a comparatively large quantity of glycerin with an inert body, capable of giving the requisite solidity to the mass, and at the same time be soft enough to liquefy in the rectum. Very many formulas have been in existence, but in the writer's opinion, none give as much satisfaction as the following:

## GLYCERIN SUPPOSITORIES.

Sodium carbonate . . . . . 40 grains.  
Stearic acid . . . . . 80 grains.  
Glycerin . . . . . 1,080 grains.

Dissolve the sodium carbonate in the glycerin, add the stearic acid, heat carefully (preferably by the use of a water-bath) until effervescence ceases; the solution is then poured into a suppository mould to make twelve suppositories. There is no necessity for cooling the moulds with ice, although there is no objection to this in warm weather. As each suppository contains about ninety per cent. of glycerin, they must be protected from the action of moist air, which has a tendency to liquefy them. Several expedients are resorted to. Each one may be wrapped in tin foil, or quickly dipped in melted paraffin; or each one enclosed in a small glass vial without a shoulder and made for the purpose of holding one suppository.

SULPHO-CARBOLIC ACID AS A DISINFECTANT.—According to Leflucq, who experimented in the Hygienic Institute at Berlin, a mixture of crude sulphuric and crude carbolic acids is an excellent disinfectant. Equal parts of sulphuric and 25 per cent. carbolic acids are heated for a short time, when the mixture can be united with any proportion of water. In efficiency this disinfectant compares with a 0.1 per cent. corrosive sublimate solution, and possesses the advantage of its relative non-poisonous properties.—*National Medical and Pharmaceutical Journal*.



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| <p>1. UNLOCKS THE CASH DRAWER.<br/>                 2. THROWS OPEN THE CASH DRAWER.<br/>                 3. RINGS A BELL.<br/>                 4. DROPS THE FORMER INDICATOR.</p> | <p>5. EXHIBITS THE AMOUNT IN A GLASS OPENING.<br/>                 6. LOCKS THE REGISTER, MAKING IT NECESSARY TO CLOSE THE DRAWER TO REGISTER ANOTHER SALE.</p> |
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**CLEAR HAVANA.**

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MADE IN SEVERAL SIZES

DRUGGISTS handling this really first-class Cigar will build up this department of their business and give their patrons satisfaction.

**B. GOLDSTEIN & Co.,**

Sole Manu'rs "Esperanza" Brand, MONTREAL.

P.S. Our 5c. leader, "CHANCELLOR," is extraordinary value.

**J. RATTRAY & CO.**

MONTREAL,

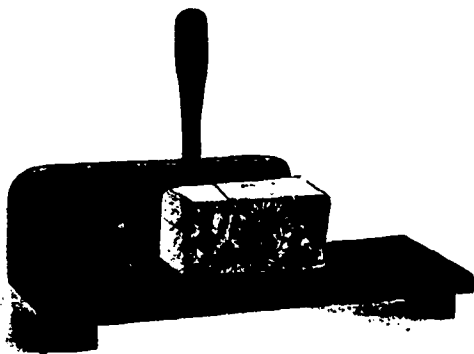
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**SIMPLE IN OPERATION.  
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Will cut hard as well as green soap, and has a Trimmer which finishes the edges smooth and even, adding greatly to the appearance.

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(Patentees.)

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**WILLIAM J. DYAS,**

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**RICHARD 1st**

**CIGARS.**

**FINEST 5c. GOODS**

IN THE MARKET.

**J. M. FORTIER,**

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## BUSINESS NOTICES.

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

The attention of Druggists and others who may be interested in the articles advertised in this Journal, is called to the SPECIAL CONSIDERATION of the Business Notices.

### Rubber Goods.

Allan & Co., Front st., east, Toronto, call the attention of the trade to some special lines in this month's issue. They are offering extra values in lines of rubber goods. See their samples.

### Ricksecker's Perfumery.

Ricksecker's perfumes, in all their popular styles and choicest of odors, are brought prominently to the notice of the trade on page 23. See the special offer made there, and reflect whether there is not money in it for you.

### Spectacles and Optical Goods.

The Montreal Optical and Jewelry Co., of Notre Dame st., Montreal, want every druggist who handles these goods to send a post card asking for their descriptive catalogue and price list. Their goods are all of the best and prices right.

### Japanese Goods.

B. Marcuse, St. Paul st., Montreal, is offering a choice assortment of Japanese goods, and a fine line of general fancy goods and art novelties for the holiday trade. Travellers are now on the road with samples, and we would advise an early inspection.

### Pharmaceutical Specialties.

The Dominion Dye-Wood and Chemical Co., of Toronto, are sole agents in Canada for the Farbenfabriken, vorm. Friedr. Bayer & Co. They supply the trade with the new remedies and pharmaceutical products of this firm. See announcement on first page of cover.

### The Extra Pharmacopœia.

We have had enquiries from our readers in reference to the notice given of this work in last month's CANADIAN DRUGGIST. We are pleased to see that the work is now on the market, and the Publisher's Announcement appears on page 31. It is published by H. K. Lewis, 136 Gower st., London W. C., England.

### Boxes.

The Hemming Bros. Co. call the attention of druggists to their large assortment of boxes adapted to the requirements of the trade. Their goods are handsomely finished and first class in every respect. This firm carries very large lines of druggists' sundries, toilet goods and perfumery, in addition to their stock of general fancy goods, and can supply the drug trade to good advantage and at best prices.

### Quinine Tablets.

We call special attention to Lyman Bros. & Co.'s advertisement of their 'Disintegrating' Tablets of Quinine Sulphate, sold in hundreds and ounces. The tablets are completely disintegrated in water at a

temperature of 98° in less than three minutes. Being practically tasteless they possess several advantages over any other form of medication. The bitter taste of quinine when given in solution is avoided and just as prompt an effect is produced.

### Plasters.

The goods manufactured by the Johnson & Johnson Co. and for which Thos. Leeming & Co., Montreal, are agents for Canada, command the entire confidence of the medical profession. Their entire line of plasters, surgical dressings, gauzes, lint, etc., etc., are all of the highest standard of excellence. We are pleased to learn of the steadily increasing demand for these goods by the pharmacists of Canada who thoroughly appreciate excellence in manufacture and uniformity in standard.

### Royal Crown Remedy.

This preparation, sometimes called Williams' Royal Crown Bitters, is rapidly finding favor with the public. Under the new proprietorship it has forced its way far beyond the original limits of its sale, and it is now found in stock at all wholesale druggists throughout Canada. It is a satisfactory preparation to handle and affords a good profit. The proprietors are putting a handsome advertising wagon on the road from which printed matter will be distributed everywhere, and will thus further stimulate the sale.

### The Following Suggests a New Field of Usefulness for Tanglefoot.

"A mouse tried to cross a sheet of Tanglefoot Fly Paper in the City drug store last night, but stuck fast on the composition and died."—The Kingston, Ont., Daily News, Sept 14th, 1892.

### O. & W. Thum Co., Grand Rapids, Mich.:

GENTLEMEN,—Your Tanglefoot Fly Paper is working wonders. We are now catching mice with it.

Yours, etc.

THE IRON CITY BREWING CO.

Pittsburg, Sept. 17th, 1892.

### Adams' Automatic Tutti Fruitti Girl Sign Boxes.

Adams & Sons Co. advise retailers to double their chewing gum sales and increase other sales by purchasing one of Adams' Automatic Tutti Fruitti Girl Sign Boxes. This box contains 80 bars regular Tutti Fruitti, 60 packages Pepsin Tutti Fruitti, and 100 pieces Red Rose with one glass-cover box for counter use, and the automatic figure of a young lady in the act of pulling a piece of chewing gum to and from her mouth, operated by clock movement which will run from three to five hours with one winding. See their advt. in this issue, and be the first in your town to adopt this novelty.

### Malt Tonic and Wine of Malt.

These two preparations have been placed on the market after long and careful experimenting by the manufacturer. In the malt tonic we have a medicine particularly adapted to the drug trade, and one which is sure to command a ready and increasing sale. It is attractively

put up in reputed pint bottles and retails at 25 cents. Its taste is peculiarly pleasant and altogether free from anything which can disturb the most delicate stomach. The wine of malt is a preparation of malt prepared by an entirely new process, and is a particularly refined medicine which can be used by the most fastidious. Both these articles are being rapidly introduced to the medical profession by means of personal canvas and sampling. Druggists should not hesitate in stocking up at once with these goods. See advt. on page 11.

M. P. P.

The proprietors of Malto-Peptonized Porter, which is advertised in this issue, claim to have a remedy of undoubted merit, and one which is receiving the endorsement of the medical profession. Although but recently offered to the trade, it has already won for itself an enviable reputation, and has fully met the expectations of its manufacturer in the way it has been taken hold of by medical men throughout Canada, wherever introduced. Amongst those who have appended their signatures to recommendations in its behalf are Drs. F. Cox, Summerside, P. E. I.; J. H. Korf, Manhattan Eye and Ear Hospital, New York City; J. A. Simon, St. John, N. B.; J. Baxter, Chatham, N. B.; A. T. Emery, St. John, N. B.; M. A. McDonald, Sydney, C. B.; C. A. Baynes, Charlottetown, P. E. I., and hosts of others. The Company have opened an office in Toronto on King st. west, from which the western trade will be supplied.

### Prescription Files.

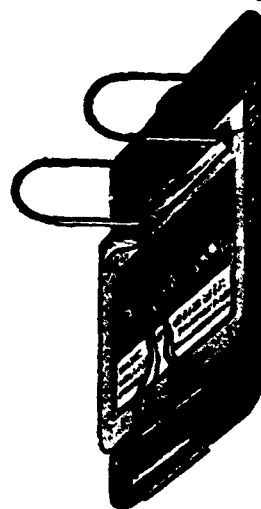
The Shannon prescription file herewith illustrated, possesses many advantages over a number of those in most general use. Each file holds about 750 prescriptions, and is provided with an index which may be numbered to correspond with the prescriptions. On this file any one of the prescriptions can be instantly found or removed without disarranging the remainder. The transfer case which is illustrated in the advt. on page 11, is intended for the preservation of prescriptions when removed from the file. No article is more indispensable to the dispensing pharmacist than a convenient and labor-saving file such as this, and we would suggest the placing of an order at once if you have none already in stock.

### Pure Malt Stout and Wine of Malt.

WINDSOR, Ont., Feb. 13th, '92.

John Holt, Esq., Walkerville, Ont.:-

DEAR SIR,—I am very much pleased with the samples of "Pure Malt Stout".



**MINNESOTA**  
**College of Pharmacy.**

DEPARTMENT OF PHARMACY  
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**Major's - Cement.**



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

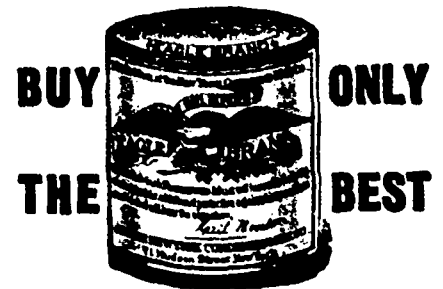
MAJOR'S LEATHER CEMENT for repairing Boots and Shoes. 15 and 20c.

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

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

Large and small Lithograph Cards in fine colors, sent on application to all dealers who handles my goods. Advertising matter sent by mail on application. I also furnish a handsome sign for inside and a stand, 3 ft. 6 in., for outside use, with a 50 lb. weight, and a thermometer 4 1/2 x 2 1/2 inches, first-class in every respect. Also a Portrait Sign for Show Case, 9 x 12, with glass frame and a strong easel. 25¢ Sent for terms.

A. MAJOR, 232 William Street, New York City.  
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and the LONDON DRUG CO., London, Ont.



**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  
Grocers and Druggists Everywhere.



A recent discovery by an old physician. Successfully used monthly by thousands of LADIES. Is the only perfectly safe and reliable medicine discovered. Beware of unprincipled druggists who offer inferior medicines in place of this. Ask for Cook's Cotton Root Compound, take no substitute, or inclose \$1 and 4 three-cent Canada postage stamps in letter, and we will send, sealed, by return mail. Full sealed particulars in plain envelope, to ladies only, 2 stamps. Address POND LILY COMPANY, No. 3 Fisher Block, 131 Woodward ave., Detroit, Mich. 25¢ Sold by all Wholesale and Retail Druggists everywhere.

—:THE:—  
**King of Dyspepsia Cures.**



**THE NEW WONDER-WORKING REMEDY**

For INDIGESTION in any form, is now extensively advertised and meeting with a ready and rapidly increasing sale. It is recommended by the medical faculty and thousands of testimonials pronounce it

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H. R. CASGRAIN, M. D.,  
Physician and Surgeon.

#### Books.

"Pharmaceutical and Chemical Problems and Exercises," by Oscar Oldberg, P. D., Professor of Pharmacy, North Western University. 8 vo. 176 pages. Chicago, The Apothecaries Company, 1892.

This work is intended mainly as an aid to teachers and students, and is a thoroughly practical work, including rules and explanations and rules governing the Latinity of Pharmaceutical Nomenclature and Prescription writing. It contains exercises in Metrology, Percentage and Proportion, Chemical formulas and equations, and includes some nine hundred chemical reactions. The work has reached its second edition and has been greatly enlarged, containing much new matter of value to the student.

\* \*

"1500 Prescriptions of all kinds, Right and Wrong," is the title of a book just issued by the Apothecaries Company, Chicago. The author, Prof. Oscar Oldberg, of the North Western University, has selected a number of prescriptions from druggists' files, medical journals, formularies, pharmacopoeias and medical works, illustrating correct and incorrect constructions, etc., and has compiled them in a volume of 240 pages. The work is one peculiarly adapted as an aid to teachers, examiners, and students. Price \$1.50, or an interleaved edition, \$2.

#### MAGAZINES.

If it were possible to shut all the strong interest of the month between the light covers of a monthly magazine, the October *Cosmopolitan* would do it. As usual, the illustrations are more numerous and varied in character than those of the other leading magazines; the articles are as short and as much to the point as is consistent with literary finish; and one has the sense

of a vigorous and newly-appreciative grasp even of subjects which in themselves are familiar. Perhaps this quality of vigor and freshness is most conspicuously displayed in the three articles contributed by Henry Cabot Lodge, John A. Cockerill and Murat Halstead, of which the themes are, respectively, "As to Certain Accepted Heroes;" "Phases of Contemporary Journalism," and "Liberal Tendencies in Europe." In these, we venture to say, the reader will find new thought, in phrase that cuts its way and insists on being quoted. But, after all, this strong individuality is noticed throughout the current number, in about the degree which the public has learned to expect. The leading paper reviews the art work of Munich; and other foreign subjects are brought home (with the winning suggestion that one may travel most comfortably in a library chair, without luggage and without foreign tongues) in the articles which give intimate views of society in southern Spain and in Persia. The intense practical interest of home things will be found in Nathaniel T. Taylor's article on "An Old Southern School," and President H. B. Plant's article. Other contributors are Thomas Wentworth Higginson, D. B. St. John Roosa, Louise Chandler Moulton, Charles F. Lummis, Edgar Fawcett, John Vance Cheney, and Jonathan Sturges. Boyesen's "Social Strugglers," the first part of which attracted such wide interest in the September number, is continued in several attractive chapters. Mr. Howells will begin in the November *Cosmopolitan*, a department under the attractive title: "A Traveller from Altruria." Those who have seen the first two papers think they will equal in interest and in their wide appeal to all classes, the Breakfast Table Papers of Dr. Holmes. In order to give the necessary time to this work, Mr. Howells has turned over the detail editorial work to Mr. Walker.

\* \*

One of the most remarkable papers ever published in a periodical is the article by Mr. Gladstone, Prime Minister of England, in the October number of the *North American Review*. It is entitled "A Vindication of Home Rule: A Reply to the Duke of Argyll," and it sets forth with vehement earnestness and logical clearness the claims of the Irish people to some measure of self-government. Mr. Gladstone takes up in detail the statements made by the Duke of Argyll in his paper in the August number of the *North American Review* on "English Elections and Home Rule," the purpose of which article was to prove the identity of the Irish movement with the principle of secession that was encountered in the American Civil War. As foreshadowing the policy of the Prime Minister in the affairs of Ireland "A Vindication of Home Rule" will attract universal and profound attention. The October number of *The Review* also contains a symposium of articles under the head of "Safeguards Against Cholera," in which Sur-

geon-General Walter Wyman; President Charles G. Wilson of the New York Board of Health; Dr. Samuel W. Abbott, Secretary of the Board of Health, Boston; and Dr. Cyrus Edson, Sanitary Superintendent of the New York Board of Health, give a comprehensive account of the origin and the nature of cholera, of the scientific methods of treatment, and of all that has been done by way of quarantine, prevention, and preparation. The statements of these experts will carry to the country a large measure of reassurance. Henry Labouchere, M. P., writes on "The Foreign Policy of England," bearing the expensive and what he believes to be the unwise policy of attending to the affairs of other nations.

\* \*

To the *Review of Reviews* for October Mr. Stead, the English editor, contributes one of his raciest character sketches, this time dealing with Mr. Gladstone's new Cabinet in a bunch, so to speak, rather than with some single personage. The article throws many a bright side light on contemporary English politics, and hits off in Mr. Stead's fearless and always felicitous manner the twenty or more men who now lead the Liberal English hosts. Mr. Shaw, the American editor of the *Review of Reviews*, writes of two great Americans, Whittier and George William Curtis, the article containing not only recent portraits of these two eminent men, but also very interesting pictures of them as they appeared forty years ago. The early portrait of Curtis is from a painting by Lawrence, and the frontispiece of this number of the *Review of Reviews* represents Mr. Curtis as in the "Easy Chair," his contributions from which have delighted American readers for several decades. Perhaps the most important contribution that any general periodical has recently made to the literature of current religious movements and tendencies is that which the *Review of Reviews* for October contains in the form of a group of articles brought under the generic title, "Religious Co-operation, Local, National and International." This series of articles includes eight brief papers, as follows: One by Dr. Strong, of the Evangelical Alliance, on Co-operation in Practical Church Work; one by Rev. Dr. Dana on Competition in Home Missions; one by Dr. Washington Gladden on the Municipal Idea of the Church; one by Rev. Hugh Price Hughes on National Christianity; one by the Count D'Alviella on the World's Parliament of Religions at Chicago; one summing up the progress of the "Civic Centre" movement in England; one describing the progress of the "Brotherhood of Christian Unity" movement in America; and, finally, one reviewing the recent English religious conferences on the reunion of churches, held at Grindelwald in Switzerland. Numerous portraits accompany these articles.

A thirty per cent. solution of tannic acid is recommended for toothache.

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Price of **Queen's Anti-Hairine** \$1. per bottle, sent in safety mailing boxes, postage paid by us (securely sealed from observation). Send money or stamps by letter with full address written plainly. Correspondence strictly confidential. This advertisement is honest and straight forward in every word it contains. We invite you to deal with us and you will find everything as represented. Cut this out and send to-day. Address **QUEEN CHEMICAL CO., 174 Race Street, CINCINNATI, O.** You can register your letter at any Post Office to insure its safe delivery. We will pay \$2.00 for any case of failure or slightest injury to any purchaser. Every bottle guaranteed.

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The quotations given represent average prices for quantities usually purchased by Retail Dealers. Larger parcels may be obtained at lower figures, but quantities smaller than those named will command an advance.

ALCOHOL, gal.....	\$4 05	\$4 25	CASTOR, Fibre, lb.....	9 00	9 50	Bleached, lb.....	45	50
Methyl, gal.....	1 90	2 00	CHALK, French, powdered, lb..	10	12	Spruce, true, lb.....	30	35
ALLSPICE, lb.....	13	15	Precip., see Calcium, lb.....	10	12	Tragacanth, flake, 1st, lb.....	1 00	1 10
Powdered, lb.....	15	17	Prepared, lb.....	5	6	Powdered, lb.....	1 10	1 15
ALOIN, oz.....	40	45	CHARCOAL, Animal, powd., lb..	4	5	Sorts, lb.....	25	75
ANODYNE, Hoffman's bot., lbs...	50	55	Willow, powdered, lb.....	20	25	Thus, lb.....	8	10
ARROWROOT, Bermuda, lb.....	45	50	CLOVE, lb.....	25	30	HEUN, Althca, lb.....	27	30
St. Vincent, lb.....	15	18	Powdered, lb.....	30	35	Bitterwort, lb.....	27	30
BALSAM, Fir, lb.....	45	50	COCHINEAL, Honduras, lb.....	40	45	Burdock, lb.....	16	18
Copaiba, lb.....	70	1 00	COLLOIDION, lb.....	75	80	Boneset, ozs, lb.....	15	17
Peru, lb.....	2 50	2 75	Cantharidal, lb.....	2 50	2 75	Catnip, ozs, lb.....	17	20
Tolu, can or less, lb.....	75	80	CONFECTION, Senna, lb.....	25	30	Chiretta, lb.....	25	30
BARK, Barberry, lb.....	22	25	Creosote, Wood, lb.....	2 00	2 50	Coltsfoot, lb.....	20	38
Bayberry, lb.....	15	18	CUTTLEFISH BONE, lb.....	35	40	Feverfew, ozs, lb.....	53	55
Buckthorn, lb.....	15	17	DENTRINE, lb.....	10	12	Grindelia robusta, lb.....	45	50
Canela, lb.....	15	17	DOVER'S POWDER, lb.....	1 50	1 60	Hoarhound, ozs., lb.....	17	20
Cascara Sagrada.....	25	30	ERGOT, Spanish, lb.....	1 00	1 10	Jaborandi, lb.....	45	50
Cascarilla, select, lb.....	18	20	Powdered, lb.....	1 15	1 30	Lemon Balm, lb.....	38	40
Cassia, in mats, lb.....	18	20	ERGOTIS, Keith's, oz.....	2 00	2 10	Liverwort, German, lb.....	38	40
Cinchona, red, lb.....	60	65	EXTRACT, Logwood, bulk, lb....	13	14	Lobelia, ozs., lb.....	15	20
Powdered, lb.....	65	70	Pounds, lb.....	14	17	Motherwort, ozs., lb.....	20	22
Yellow, lb.....	35	40	FLOWERS, Arnica, lb.....	15	20	Mullein, German, lb.....	17	20
Pale, lb.....	40	45	Calendula, lb.....	55	60	Pennyroyal, ozs., lb.....	17	20
Elm, selected, lb.....	16	18	Chamomile, Roman, lb.....	30	35	Peppermint, ozs., lb.....	21	25
Ground, lb.....	17	20	German, lb.....	30	35	Rue, ozs., lb.....	30	35
Powdered, lb.....	20	28	Elder, lb.....	29	22	Sage, Ozs., lb.....	18	20
Hemlock, crushed, lb.....	18	20	Lavender, lb.....	12	15	Spearmint, lb.....	21	25
Oak, white, crushed, lb.....	15	17	Rose, red, French, lb.....	1 60	2 00	Thyme, ozs., lb.....	18	20
Orange peel, bitter, lb.....	15	16	Rosemary, lb.....	25	30	Tansy, ozs., lb.....	15	18
Prickly ash, lb.....	35	40	Saffron, American, lb.....	35	40	Wormwood, oz.....	20	22
Sassafras, lb.....	15	16	Spanish, VaPa, oz.....	1 00	1 25	Yerba Santa, lb.....	38	44
Soup (quillaya), lb.....	13	15	GELATINE, Cooper's lb.....	1 20	1 25	HONEY, lb.....	13	15
Wild cherry, lb.....	13	15	French, white, lb.....	40	50	Hops, fresh, lb.....	25	30
BEANS, Calabar, lb.....	45	50	GLYCERINE, lb.....	16	18	INDIGO, Madras, lb.....	75	80
Tonka, lb.....	1 50	2 75	GUARANA.....	3 00	3 25	INSECT POWDER, lb.....	25	28
Vanilla, lb.....	5 50	7 50	Powdered, lb.....	3 25	3 50	ISINGLASS, Brazil, lb.....	2 00	2 10
BERRIES, Cubeb, sifted, lb.....	1 25	1 50	GUM ALOES, Cape, lb.....	18	20	Russian, true, lb.....	6 00	6 50
powdered, lb.....	1 50	1 75	Barbadoes, lb.....	30	50	LEAF, Aconite, lb.....	25	30
Juniper, lb.....	10	12	Socotrine, lb.....	65	70	Bay, lb.....	18	20
Ground, lb.....	12	14	Assafetida, lb.....	25	28	Belladonna, lb.....	25	30
Prickly ash, lb.....	40	45	Arabic, 1st, lb.....	90	1 00	Buchu, long, lb.....	40	45
BURS, Balm of Giload, lb.....	55	60	Powdered, lb.....	1 00	1 10	Short, lb.....	15	18
Cassia, lb.....	25	30	Sifted sorts, lb.....	50	55	Coca, lb.....	55	60
BUTTER, Cacac, lb.....	75	80	Sorts, lb.....	40	45	Digitalis, lb.....	25	30
CAMPHOR, lb.....	65	70	Benzoin, lb.....	50	1 00	Eucalyptus, lb.....	18	20
CANTHARIDS, Russian, lb.....	2 00	2 10	Catechu, Black, lb.....	9	20	Hyoseyamus.....	25	30
Powdered, lb.....	2 10	2 20	Gamboge, powdered, lb.....	1 30	1 35	Matico, lb.....	70	75
CAUSTICUM, lb.....	25	30	Guaiaac, lb.....	75	1 00	Senna, Alexandria, lb.....	25	30
Powdered, lb.....	30	35	Powdered, lb.....	95	1 20	Tinnevely, lb.....	15	25
CARBON, Bisulphide, lb.....	16	18	Kino, true, lb.....	45	50	Stramonium, lb.....	20	25
CARMINE, No. 40, oz.....	40	50	Myrrh, lb.....	45	48	Uva Ursi, lb.....	15	18
			Powdered, lb.....	55	60	LEUCNES, Swedish, doz.....	1 00	1 10
			Opium, lb.....	3 10	3 50	LICORICE, Solezzi.....	45	50
			Powdered, lb.....	4 25	4 50	Pignatelli.....	35	40
			Scammony, pure Resin, lb.....	12 80	13 00	Grasso.....	30	35
			Shellac, lb.....	35	40	Y & S—Sticks, 6 to 1 lb., per lb	27	30

Y & S—Purity, 100 sticks in box	75	75	Unicory, lb.	38	40	Subcarbonate, lb.	2	75	3	00			
“ Purity, 200 sticks in box	1	50	1	50	Valerian, English, lb. true	20	25	Subnitrate, lb.	2	40	2	00	
“ Acme Pellets, 5 lb. tins	2	00	2	00	Virginia Snake, lb.	40	45	BORAX, lb.	9	10			
“ Lozenges, 5 lb. tins	1	50	1	75	Yellow Dock, lb.	15	18	Powdered, lb.	10	11			
“ Tar, Licorice & Tolu, 5 lb. tins	2	00	2	00	Rust, Bay, gal.	2	25	BROMINE, oz.	8	13			
LUPULIN, oz.	30	35	SACCHARIN, oz.	1	25	1	50	CADMIUM, Bromide, oz.	20	25			
LYCOPodium, lb.	70	80	SEED, Anise, Italian, sifted, lb.	13	15	15	15	Iodide, oz.	45	50			
MACE, lb.	1	20	1	25	Star, lb.	35	40	CALCIUM, Hypophosphite, lb.	1	50	1	60	
MASSA, lb.	1	60	1	75	Burdock, lb.	30	35	Iodide, oz.	95	1	00		
Moss, Iceland, lb.	9	10	Canary, bag or less, lb.	6	7	Curaway, lb.	10	13	Phosphate, precip., lb.	35	38		
“ Irish, lb.	9	10	Cardamom, lb.	1	25	1	50	Sulphide, oz.	5	6			
MUSK, Tonquin, oz.	46	00	50	00	Celery	30	35	CERUM, Oxalate, oz.	10	12			
NUTGALLS, lb.	21	25	Colchicum	75	80	Coriander, lb.	10	12	CHINORINE, oz.	15	18		
“ Powdered, lb.	25	30	Cumin, lb.	15	20	Fennel, lb.	15	17	CHLORAL, Hydrate, lb.	75	85		
NUTMEG, lb.	1	00	1	10	Fenugreek, powdered, lb.	7	9	Citron, oz.	75	80			
NUX VOMICA, lb.	10	12	Flax, cleaned, lb.	3	4	Ground, lb.	4	5	CHLOROFORM, lb.	50	1	75	
“ Powdered, lb.	22	25	Hemp, lb.	6	6	Mustard, white, lb.	9	12	CINCHONINE, sulphate, oz.	25	30		
OAKUM, lb.	12	15	Mustard, white, lb.	9	12	Powdered, lb.	15	20	CINCHONINE, Sulph., oz.	15	20		
OINTMENT, Mere. lb. $\frac{1}{2}$ and $\frac{1}{4}$	70	75	Pumpkin	25	30	Quince, lb.	65	70	COCAINE, Mur., oz.	8	50	0	00
“ Citrine, lb.	45	50	Rape, lb.	8	9	Strophanthus, oz.	50	55	COPPER, Sulph. (Blue Vitrol) lb.	7	8		
PARALDEHYDE, oz.	15	18	Worm, lb.	22	25	SEBLITZ MIXTURE, lb.	25	30	Iodide, oz.	65	70		
PEPPER, black, lb.	22	25	SEBLITZ MIXTURE, lb.	25	30	SOAP, Castile, Mottled, pure, lb.	10	12	COPPERAS, lb.	1	3		
“ Powdered, lb.	25	30	SOAP, Castile, Mottled, pure, lb.	10	12	White, Conti's, lb.	15	16	EMER, Acetic, lb.	75	80		
PITCH, black, lb.	3	4	White, Conti's, lb.	15	16	Green (Sapo Viridis), lb.	12	25	Sulphuric, lb.	40	50		
“ Bergundy, true, lb.	10	12	Powdered, lb.	25	35	SFERMAGETI, lb.	50	55	EXALGINE, oz.	1	00	1	10
PLASTER, Calined, lbl cash.	2	25	3	25	TURPENTINE, Chian, oz.	75	80	HYOSCYAMINE, Sulp., crystals, gr.	25	30			
“ Adhesive, yd.	12	13	VENICE, lb.	10	12	WAX, White, lb.	50	75	IODINE, lb.	5	00	5	50
“ Belladonna, lb.	85	70	WAX, White, lb.	50	75	Yellow	40	45	IODOFORM, lb.	6	00	7	00
“ Galbanum Comp., lb.	80	85	WOOD, Guaiac, rasped	5	6	Quassia chips, lb.	10	12	IODOL, oz.	1	30	1	40
“ Lead, lb.	25	30	Red Sanders, ground, lb.	5	6	Santal, ground, lb.	5	6	IRON, by Hydrogen	1	00	1	10
POPPY HEADS, per 100	1	00	1	10	“ Chemicals.			Carbonate, Precip., lb.	15	16			
ROSIN, Common, lb.	2	3	ACID, Acetic, lb.	12	13	Glacial, lb.	45	50	Sacch., lb.	35	40		
“ White, lb.	3	4	Glacial, lb.	45	50	Benzole, English, oz.	20	25	Chloride, lb.	45	55		
RESORCIN, White, oz.	25	30	Benzole, English, oz.	20	25	German, oz.	10	12	Sol., lb.	13	16		
ROCHELLE SALT, lb.	26	28	Boracic, lb.	20	25	Carbolic Crystals, lb.	35	38	Citrate, U. S. P., lb.	90	1	00	
ROOT, Aconite, lb.	22	25	Carbolic Crystals, lb.	35	38	Calvert's No. 1, lb.	2	10	And Ammon., lb.	75	80		
“ Althea, cut, lb.	30	35	Calvert's No. 1, lb.	2	10	2	15	And Quinine, lb.	1	50	3	00	
“ Belladonna, lb.	25	30	Citric, lb.	65	70	Gallic, oz.	10	12	Quin. and Stry., oz.	18	30		
“ Blood, lb.	15	16	Gallic, oz.	10	12	Hydrobromic, diluted, lb.	30	35	And Strychnine, oz.	13	15		
“ Bitter, lb.	27	30	Hydrobromic, diluted, lb.	30	35	Hydrocyanic, diluted, oz. bot- tles doz	1	50	Dialyzed, Solution, lb.	50	55		
“ Blackberry, lb.	15	18	Hydrocyanic, diluted, oz. bot- tles doz	1	50	1	60	Ferrocyanide, lb.	55	60			
“ Burdock, crushed, lb.	18	20	Lactic, concentrated, oz.	22	25	Muriatic, lb.	3	5	Hypophosphites, oz.	20	25		
“ Calamus, sliced, white, lb.	20	25	Muriatic, lb.	3	5	Chem, pure, lb.	18	20	Iodide, oz.	40	45		
“ Canada Snake, lb.	30	35	Chem, pure, lb.	18	20	Nitric, lb.	10	13	Syrup, lb.	40	45		
“ Cohosh, Black, lb.	15	20	Nitric, lb.	10	13	Chem, pure, lb.	25	30	Lactate, oz.	5	6		
“ Colchicum, lb.	40	45	Oleic, purified, lb.	75	80	Oxalic, lb.	12	13	Permanganate, solution, lb.	15	16		
“ Columbo, lb.	20	22	Oxalic, lb.	12	13	Phosphoric, glacial, lb.	1	00	1	25	1	30	
“ Powdered, lb.	25	30	Phosphoric, glacial, lb.	1	00	1	10	Phosphate scales, lb.	1	25	1	30	
“ Coltsfoot, lb.	38	40	Dilute, lb.	13	17	Pyrogallic, oz.	32	35	Sulphate, pure, lb.	7	9		
“ Comfrey, crushed, lb.	20	25	Pyrogallic, oz.	32	35	Salicylic, white, lb.	1	80	Ex-siccated, lb.	8	10		
“ Curcuma, powdered, lb.	13	14	Salicylic, white, lb.	1	80	2	00	And Potass. Tartrate, lb.	80	85			
“ Dandelion, lb.	15	18	Sulphuric, carbony, lb.	2	2	2	2	And Ammon. Tartrate, lb.	85	90			
“ Elecampane, lb.	15	10	Bottles, lb.	5	6	Chem. pure, lb.	18	20	LEAD, Acetate, white, lb.	13	15		
“ Galangal, lb.	15	18	Chem. pure, lb.	18	20	Tannic, lb.	90	1	10	Carbonate, lb.	7	8	
“ Gelsemium, lb.	22	25	Tannic, lb.	90	1	10	40	45	Iodide, oz.	35	40		
“ Gentian, lb.	9	10	Tartaric, powdered, lb.	40	45	90	1	10	Red, lb.	7	9		
“ Ground, lb.	10	12	ACETASILIN, lb.	90	1	00	1	00	LIME, Chlorinated, bulk, lb.	4	5		
“ Powdered, lb.	13	15	ACONITINE, grain	4	5	4	5	6	In packages, lb.	6	7		
“ Ginger, African, lb.	11	12	ALUM, cryst., lb.	1	3	3	4	4	LITHIUM, Bromide, oz.	40	45		
“ Po., lb.	13	15	Powdered, lb.	3	4	3	4	4	Carbonate, oz.	30	35		
“ Jamaica, blechd., lb.	25	28	AMMONIA, Liquor, lb. 880	8	10	8	10	10	Citrate, oz.	25	30		
“ Po., lb.	28	30	AMMONIUM, Bromide, lb.	65	75	65	75	75	Iodide, oz.	50	55		
Ginseng, lb.	3	00	3	00	Carbonate, lb.	12	13	35	Salicylate, oz.	35	40		
Golden Seal, lb.	75	80	12	13	Iodide, oz.	35	40	55	MAGNESIUM, Calc., lb.	55	60		
Gold Thread, lb.	90	95	35	40	55	60	60	60	Carbonate, lb.	18	20		
Helleboro, White, powd., lb.	12	15	40	45	40	45	45	45	Citrate, gran., lb.	40	45		
Indian Hemp	18	30	40	45	40	45	45	45	Sulph. (Epsom salt), lb.	1	3		
Ipecac, lb.	2	90	3	10	3	10	10	10	MANGANESE, Black Oxide, lb.	5	7		
“ Powdered, lb.	3	10	3	20	5	6	6	6	MENTHOL, oz.	30	35		
Jalap, lb.	55	60	55	60	18	20	20	20	MERCURY, lb.	90	95		
“ Powdered, lb.	60	65	60	65	90	1	10	10	Ammon (White Precip.),	1	25	1	30
Kava Kava, lb.	40	90	40	90	40	45	45	45	Chloride, Corrosive, lb.	1	00	1	10
Licorice, lb.	12	15	40	45	40	45	45	45	Calomel, lb.	1	15	1	20
“ Powdered, lb.	13	15	40	45	40	45	45	45	With Chalk, lb.	60	65		
Mandrake, lb.	13	18	40	45	40	45	45	45	Iodide, Proto, oz.	35	40		
Masterwort, lb.	16	40	40	45	40	45	45	45	Bin., oz.	25	30		
Orris, Florentine, lb.	25	28	40	45	40	45	45	45	Oxide, Red, lb.	1	30	1	35
“ Powdered, lb.	28	30	40	45	40	45	45	45	Pill (Blue Mass), lb.	70	75		
Parcira Brava, true, lb.	40	45	40	45	40	45	45	45	MILK SUGAR, powdered, lb.	50	55		
Pink, lb.	75	80	40	45	40	45	45	45	MORPHINE, Acetate, oz.	1	40	1	50
Parsley, lb.	30	35	40	45	40	45	45	45	Muriate, oz.	1	40	1	50
Pleurisy, lb.	20	25	40	45	40	45	45	45	Sulphate, oz.	1	50	1	60
Poke, lb.	15	18	40	45	40	45	45	45	PERLIN, Saccharated, oz.	35	40		
Queen of the Meadow, lb.	18	20	40	45	40	45	45	45	PHENACTINE, oz.	50	55		
Rhatany, lb.	20	30	40	45	40	45	45	45	PHLOCARPINE, Muriate, grain	5	6		
Rhubarb, lb.	75	2	50	55	60	60	60	60	PIPERIN, oz.	1	00	1	10
Sarsaparilla, Hond, lb.	40	45	40	45	40	45	45	45	PHOSPHORUS, lb.	90	1	10	
“ Cut, lb.	50	55	40	45	40	45	45	45	POTASSA, Caustic, white, lb.	55	60		
Senega, lb.	55	65	40	45	40	45	45	45	POTASSIUM, Acetate, lb.	35	40		
Squill, lb.	13	15	40	45	40	45	45	45	Bicarbonate, lb.	15	17		
Stillingia, lb.	22	25	40	45	40	45	45	45	Bichromate, lb.	14	15		
“ Powdered, lb.	25	27	40	45	40	45	45	45	Bitrat (Cream Tart.), lb.	25	30		
			40	45	40	45	45	45	Bromide, lb.	37	40		
			40	45	40	45	45	45	Carbonate, lb.	14	16		

Chlorate, Eng., lb.	20	22	VERATRINE, oz.	2	00	2	10	Lemongrass, lb.	1	50	1	60		
Powdered, lb.	25	27	ZINC, Acetate, lb.	70	75			Mustard, Essential, oz.	60	65				
Citrate, lb.	75	90	Carbonate, lb.	25	30			Neroli, oz.	4	25	4	50		
Cyanide, fused, lb.	40	55	Chloride, granular, oz.	13	15			Orange, lb.	3	75	5	00		
Hypophosphites, oz.	10	12	Iodide, oz.	60	65			Sweet, lb.	3	25	3	50		
Iodide, lb.	3	60	3	75			Origanum, lb.	65	70					
Nitrate, gran., lb.	8	10	Oxide, lb.	13	60			Patchouli, oz.	1	75	1	80		
Permanganate, lb.	50	55	Sulphate, lb.	9	11			Pennyroyal, lb.	3	00	3	25		
Prussiate, Red, lb.	50	55	Valerianate, oz.	25	30			Peppermint, lb.	4	25	4	50		
Yellow, lb.	32	35	<b>ESSENTIAL OILS.</b>						Pimento, lb.	2	60	2	75	
And Sod. Tartrate, lb.	30	35	Oil, Almond, bitter, oz.	75	80			Rhodium, oz.	80	85				
Sulphuret, lb.	25	30	Sweet, lb.	50	60			Rose, oz.	6	00	7	00		
PROPYLAMINE, oz.	35	40	Amber, crude, lb.	40	45			Rosemary, lb.	70	75				
QUININE, Sulph., bulk	25	28	Rec't, lb.	65	70			Rue, oz.	25	30				
Oz., oz.	32	38	Anise, lb.	2	75	3	00	Sandalwood, lb.	5	50	9	00		
QUINIDINE, Sulphate, ozs., oz.	16	20	Ray, oz.	50	60			Sassafras, lb.	75	80				
SALICIN, lb.	3	75	4	00			Savin, lb.	1	60	1	75			
SANTONIN, oz.	20	22	Bergamot, lb.	5	00	5	25	Spear-mint, lb.	6	00	6	25		
SILVER, Nitrate, cryst., oz.	90	1	00	Cade, lb.	90	1	00	Spruce, lb.	65	70				
Fused, lb.	1	00	1	10	Cajuput, lb.	1	80	1	90	Tansy, lb.	4	25	4	50
SODIUM, Acetate, lb.	30	35	Capsicum, oz.	60	65			Thyme, white, lb.	1	80	1	90		
Bicarbonate, kgs., lb.	2	75	3	00	Caraway, lb.	3	50	3	75	Wintergreen, lb.	3	00	3	50
Bromide, lb.	63	65	Cassia, lb.	1	50	1	60	Wormseed, lb.	3	50	3	75		
Carbonate, lb.	3	6	Cinnamon, Ceylon, oz.	1	50	1	60	Wormwood, lb.	6	50	6	75		
Hypophosphite, oz.	10	12	Citronelle, lb.	70	75			<b>FIXED OILS.</b>						
Hyposulphite, lb.	3	6	Clove, lb.	1	60	1	65	Castor, lb.	9	11				
Iodide, oz.	40	45	Copaiba, lb.	1	00	1	75	Cod Liver, N. F., gal.	1	00	1	25		
Salicylate, lb.	1	80	2	00	Croton, lb.	1	50	1	75	Notwegian, gal.	1	25	1	50
Sulphate, lb.	2	3	Cubeb, lb.	11	00	12	00	Cottonseed, gal.	1	10	1	20		
Sulphite, lb.	10	12	Cumin, lb.	5	50	6	00	LARD, gal.	90	1	00			
SPIRIT NITRE, lb.	30	55	Erigeron, oz.	20	25			LINSEED, boiled, gal.	61	65				
STRONTIUM, Nitrate, lb.	18	20	Eucalyptus, lb.	1	50	1	75	Raw, gal.	58	60				
STRYCHNINE, crystals, oz.	1	00	1	10	Fennel, lb.	1	60	1	75	NEATSFOOT, gal.	1	00	1	10
SULFONAL, oz.	28	30	Geranium, oz.	1	75	1	80	OLIVE, gal.	1	35	1	40		
SULPHUR, Flowers of, lb.	24	4	Rose, lb.	3	20	3	50	Sabad, gal.	2	25	2	40		
Pure precipitated, lb.	13	20	Juniper berries (English), lb.	4	50	5	00	PALM, lb.	12	13				
TARTAR EMETIC, lb.	50	55	Wood, lb.	70	75			SPEEM, gal.	1	60	1	75		
THYMOL, (Thymic acid), oz.	60	65	Lavender, Chiris. Fleur, lb.	3	00	3	50	TERPENTINE, gal.	65	68				
			Garden, lb.	1	50	1	75							
			Lemon, lb.	2	75	3	00							

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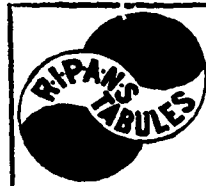
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case that results from impure blood or a failure in the proper performance of their functions by the stomach, liver and intestines. Persons given to over-eating are benefited by taking one tabule after each meal. A continued use of the Ripans Tabules is the surest cure for obstinate constipation. They contain nothing that can be injurious to the most delicate. 1 gross \$2, 1/2 gross \$1.25, 1/4 gross 75c., 1-24 gross 15 cents. Sent by mail postage paid. Address THE RIPANS CHEMICAL COMPANY, New York.

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It is called **NOTOBAC** and positively cures all forms of the tobacco disease, not for the reason that it makes tobacco *taste bad*, but because it acts directly upon the nerve centres and

**DESTROYS THE NERVE-CRAVING EFFECTS,**

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Commenced using Notobac three months ago. Used nearly two boxes. Have not chewed tobacco since, although I used it for 40 years. It is a sure cure. Mr. Lull, my partner, used Notobac at the same time. It cured him also. Yours,

A. McCONNELL, Wholesale Grocer.

Gentlemen:

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I used tobacco 40 years. One year ago to-day I received three boxes Notobac. Used it as directed. I have not used or craved tobacco since. Notobac's effects is truly wonderful.

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Dear Sirs:

I loved tobacco for 20 years; tried to quit many times, but failed. Used one and one-half boxes Notobac. Have no desire—in fact, cannot bear the smell of the weed. I also gained 15 pounds in six weeks.

Yours truly,

C. J. MANNING.

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I commenced to use tobacco when nine years old. Three years ago I used one box Notobac. It cured me. I tried many times to quit, but failed. Now I never have any craving for it.

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