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CANADIAN DRUGGIST.

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

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

OCTOBER, 1890.

{ 6 WELLINGTON ST. WEST. } No. 10.
TORONTO, ONT.

CANADIAN DRUGGIST.

WILLIAM J. DYAS, - Editor and Publisher.

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

The Canadian Druggist is issued on the 15th of each month, and all matter for insertion should reach us by the 5th of the month.
All cheques or drafts to be made payable to the editor.
New advertisements or changes to be addressed

CANADIAN DRUGGIST,

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

American Pharmaceutical Association.

The thirty-eighth annual meeting of this association was held at Old Point Comfort, Va., commencing Sept. 8th and continuing in session four days. The meeting was a very successful one, both in point of attendance and of the number of interesting papers read.

The following officers were elected.

President, Alfred B. Taylor, Philadelphia, Pa.
First Vice-President, Prof. A. B. Stephens, Ann Arbor, Michigan.
Second Vice-President, Chas. E. Dohme, Baltimore, Md.
Third Vice-President, J. M. Goode, St. Louis, Mo.
Permanent Secretary, J. M. Maisen, Philadelphia, Pa.
Treasurer, S. A. D. Shephard, Boston, Mass.

The next meeting of the association will be held in New Orleans, on the first Monday in May, 1891.

British Pharmaceutical Conference.

The twenty-seventh annual meeting of this association was held at Leeds, Eng., commencing Sept. 2nd, with an attendance of about 200. A large number of papers were read and discussed. The following officers were elected:

President, W. Martindale, F. C. S.
Vice-Presidents, Messrs. Cartledge, Kimmount, Munday, and Dr. Thrash.
Treasurer, Mr. Davies.
Hon. Secretaries, Messrs. Naylor and Ransom.

The next meeting of the conference will be held at Cardiff, Wales, in Sept., 1891.

Ontario College of Pharmacy.

The Ontario College of Pharmacy opened for the junior course on the 2nd inst., the Dean, Prof. Shuttleworth, delivering the opening lecture to a class of

over seventy students. The class promises to be an unusually large one, and bids fair to tax the energies of the staff and the accommodation of the college to their utmost.

Toronto Druggists' Association.

The following gentlemen were elected at a recent meeting of the Toronto Druggists' Association to manage affairs for the ensuing year. President, G. A. McCann; Vice President, J. H. McKenzie; Secretary-Treasurer, J. A. Austin; Executive Committee, G. K. C. McGregor, A. M. Wright, G. J. Little, W. Murehison, and A. E. Kennedy.

Toronto Druggists' Price Lists.

That the Toronto Druggists' Association made no mistake in choosing Messrs. Lee, Sherris and Lander to submit a draft list of prices for their approval, was very clearly evidenced by the interest taken in the matter by the city druggists generally.

Their report was submitted to the regular monthly meeting on Sept. 10th, when it was decided to have it printed in slip form and distributed to the druggists for consideration prior to meeting for discussion on Sept. 26th. Some thirty druggists attended that meeting, a number of others sending letters of regret at not being able to be present, but voicing their sympathy with the movement to unify and consolidate the interests of the city druggists.

The list was carefully gone over, article by article, trifling changes being made to meet the wishes of those present. Considerable discussion took place, showing that prices varied in the past, apparently according to the quality of the various residential sections of the city.

The price list as adopted is a very moderate one, it being sought to meet all parties by a compromise. Proof spirit tinctures are placed at 8s per fluid ounce, rectified and aromatic tinctures at 10s, with the exception of Fleming's tincture of acenite, tincture castor, tincture cubeba, and tincture iodine, which were raised to 15s. A minimum price only was adopted to govern charges for dispensing, excess charges to be indicated by the private trade mark on all prescriptions returned to the patient.

It is sincerely hoped that those who haven't yet fallen in with the prices adopted will put aside any little personal

grivances they may entertain and unite with the rest in their endeavor to place the business on an even trade footing. The prices are not arbitrary, being subject to any changes the committee or any members by securing a majority vote, may from time to time suggest.

Easy Extemporaneous Preparation of Antiseptol.

M. Yvon gives to *Nouveau Remede* the following concerning the iodoform succedaneum:

When an iodo-iodide solution (iodine, 1 part; potassium iodide, 1 part; water, 100 parts) is poured into an aqueous solution of any alkaloidal sulpho-salt, the result is a copious precipitate of an iodine combination with the alkaloid. Bouchardat, who studied this reaction as long ago as 1845, gave these precipitates the name of iodides of the hydroiodates of the alkaloids used. We now know, however, thanks to the labors of Herapath, that they also contain sulphuric acid, and hence, are now designated as iodo sulphates.

In my experiments, I have made use of the iodo sulphate of cinchonine on account of the cheapness of cinchonine. The chemistry of this compound was studied by Jorgensen, of Copenhagen, in 1826, who described three iodo-sulphate combinations of cinchonine each of which is perfectly defined and crystallizable.

The preparations of the iodo-sulphate of cinchonine for therapeutic use is a very simple process, and is as follows:

Cinchonine sulphate	25 parts.
Distilled water	2000 parts.

Mix and dissolve. Precipitate with 1,920 parts of the iodo-iodide solution made as above indicated. The mother liquor, after precipitation, should not be entirely exhausted of cinchonine, and the amount iodo-iodide indicated will be quite sufficient, though not equivalent weight. The precipitate is collected on a filter, washed until the wash water shows no traces of iodine, and dried in the air at normal temperature.

As thus obtained, the iodo-sulphate of cinchonine is an impalpable powder of definite chemical composition, containing 50 per cent. of iodine. It may be crystallized, if so desired, but for therapeutic uses its crude shape is all-sufficient. It has a brown color, is inodorous, insoluble in water, but soluble in alcohol and chloroform. It perfectly supplants iodoform,

being equally efficacious, and beside being devoid of odor has the advantage of being readily prepared, extemporaneously prepared in every pharmacy.

Liquid Chlorine as an Article of Commerce.

The recent improvements in the methods for producing chlorine, on a large and economic scale, from chloride of magnesium, immense quantities of which are rendered available particularly at the extensive Stassfurt mines, have been instrumental in starting a new industry, viz., the manufacture of liquid chlorine and its easy transportation. Heretofore the production of chloride of lime and other substances requiring a continuous application of large quantities of chlorine gas, had to be conducted at the place where the latter was generated. Hereafter it will be possible to carry the gas, in a compact shape, to such factories or places as may require it. Of course, in the manufacture of chloride of lime it is not likely that the new method will displace the old one for some time to come. But chlorine is required for many other purposes; and if it can be transported without loss or risk there are many technical branches in which the chlorine will be preferred to chloride of lime. Indeed, as is well known, the latter is merely a convenient form of storing and handling chlorine. If the free chlorine obtainable from a hoghead of chloride of lime can be confined and transported in a vessel holding a quart, this will be a decided advantage.

The chlorine gas, after having been liberated by a simple process from the chloride of magnesium, is pumped into an apparatus where it is perfectly free from moisture by contact with sulphuric acid, and forced, under strong pressure and proper cooling, into a steel receptacle or fountain, in which the liquefied chlorine is stored and shipped.

It has been found that dry chlorine does not act upon cast iron, wrought iron, steel, phosphorous bronze, brass, copper, zinc, or lead, either alone or in presence of concentrated sulphuric acid.

For transport, liquid chlorine is best forced into iron or steel vessels. When the gas is wanted these vessels are connected with suitable conduits, so arranged that no moisture can reach the interior of the vessels.—*American Druggist.*

College of Pharmacy.

THE TWENTY-THIRD OPENING AN AUSPICIOUS ONE.

The unique and pretty building of the Montreal College of Pharmacy on La-guachetiere street was formally opened Oct. 1st in the presence of a large number of students and friends.

When the college was organized in 1867 the motto "Vincet Qui Patitur" (He conquers who perseveres), was adopted and faithfully the motto has been adhered to. The original cost of the new

building was \$6,650 and the sum of \$1,400 has been expended on furniture and alterations. The treasurer now holds sufficient money to meet the next payment, due May 1st, 1891, and when this is paid the net debt will be only \$2,947. Towards the cost of the building \$5,740 was subscribed by the wholesale and retail trade, the clerks in stores and friends of the college, and through the kindness of Premier Mercier \$250 is allowed as an annual grant.

Considering these facts it will be seen that the institution is now on a solid basis, and as one of the speakers remarked it needs but the continued perseverance of those engaged in the work to make the college one of the best on the continent.

In his opening address President David Watson extended a hearty welcome to all who wished to become members and urged upon all present who were interested in pharmacy to at once hand in their names and join the college. He spoke of the organization of the college and of its incorporation in 1879. This was the twenty-third opening and it could well be claimed as the most auspicious which they had yet enjoyed. It was but a short time ago that they had to call upon friends for financial aid to continue the work, but he was glad to say that the college is now self supporting.

Mr. Henry Lyman was received with enthusiasm when he arose to speak. He reminded the students that he had been busily engaged in pharmacy for sixty years and during this time the many encouragements they had received had aided them in the work until to-day every man engaged in the profession was proud of his calling. In Montreal the progress of their own college was very satisfactory. In the commencement it seemed like a root in dry ground, but it had survived a long struggle for existence. Its watchword had been advance and it had succeeded in all its aims. He was glad the students had now a habitation as well as a name. He wanted the young men trained to counter dispensing; they should be encouraged in this branch so that they would be a credit to the profession.

Addresses were also delivered by Mr. Alex. Manson, Dr. Desnoyers, Dr. Reid, Prof. Bemrose and Dr. Hingston. The latter gentleman was very humorous in his opening remarks, but finished with sound advice to his young hearers. He spoke of the duty of a druggist to be so trained that in case a doctor made a mistake in a prescription the druggist could correct it or rather could ask the doctor if it was correct. Mistakes of this kind had often come under his notice and he could assure them that physicians would feel a great security when they knew that they were dealing with educated druggists. He paid a high tribute to Montreal pharmacists as being equal to any on the continent.

A pleasant hour was spent at the close of the meeting in social intercourse and merriments. Refreshments were served

in a room adjoining that in which the opening took place. Altogether the building contains eleven rooms, all of which will be used by the college, except the space occupied by the caretaker.

Detonation of Tablets Composed of Chlorate of Potassium and Chloride of Ammonium.

The mixture of the above salts, which has been in use for some time as a popular remedy for mouth and throat affections, has been viewed with suspicion, as a probable source of mischief on account of the decomposition resulting between them.

After a few weeks, chlorine compounds are evolved, noticeable by the odor, and by the effect on the organic material which may be in contact with or near them.

If the quantity of the tablets is large, sufficient heat may be generated to cause spontaneous combustion, should circumstances favor it.

We had a new experience with them a few days since. A lot of the tablets, more than a year old, were removed from the small bottles in which they are usually put up, and four ounces of them placed in one bottle and finished for delivery. While standing undisturbed, a loud explosion occurred, and the bottle containing the tablets was almost pulverized—the concussion breaking several other bottles in proximity, although they were protected by pasteboard cases.

The cause of the detonation may be looked for in the formation of chloride of nitrogen, as one of the resultants of decomposition between the salts. This experience determined us to deposit the remainder of our stock of the tablets in the Delaware River for safe keeping.—Chas. Bullock, in *American Journal of Pharmacy.*

[We have had similar experience with these tablets, not only resulting in an explosion, but bursting into flame on exposure to the air.—Editor CANADIAN DRUGGIST.]

THE SCANDINAVIAN PHARMACOPEIA.—A pharmacopœia commission met in Copenhagen at the end of August or the beginning of September to discuss the leading principles for a united pharmacopœia for Sweden, Norway, and Denmark.

Animal charcoal owes its decolorising properties to the fact that it absorbs the coloring matter; but a recent investigation by Cazeneuve reveals the fact that if the charcoal is cooled in air it also possesses oxidising properties, and some coloring matters which it withdraws from liquids it also decomposes. It is owing to its oxidising property that it darkens phenol compounds and tannin matters.

A census of pharmaceutical chemists and dentists in Russia will be taken in September. The last enumeration was made in 1888.

HARD RUBBER ATOMIZERS BEST & CHEAPEST.

All Styles Continuous Spray.

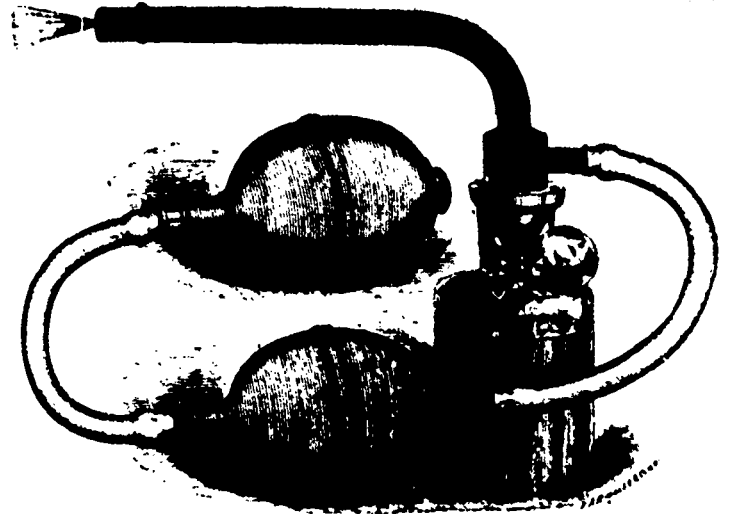


THE "FAVORITE."

- No. 110—Throat and Perfume, \$4.50 per doz.
- No. 109—Nasal only, 3.00 "
- No. 108—2 Tips, Throat and Nasal, 6.75 "



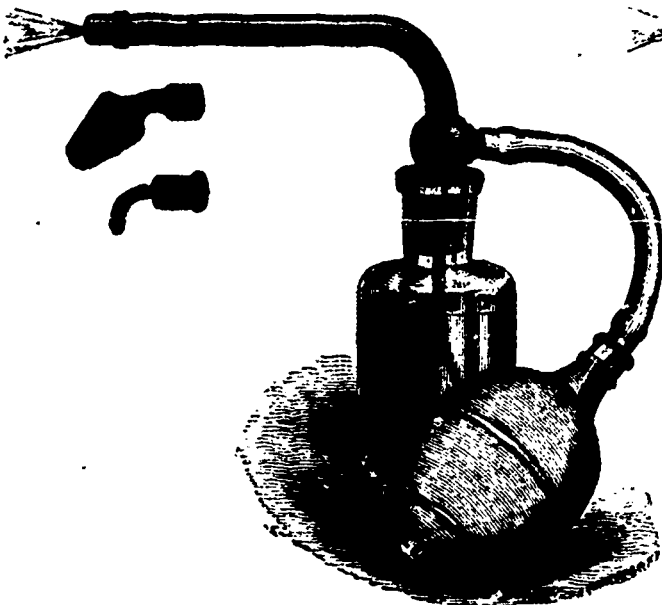
The No. 110 is **UNEQUALLED** in value by anything in the market.



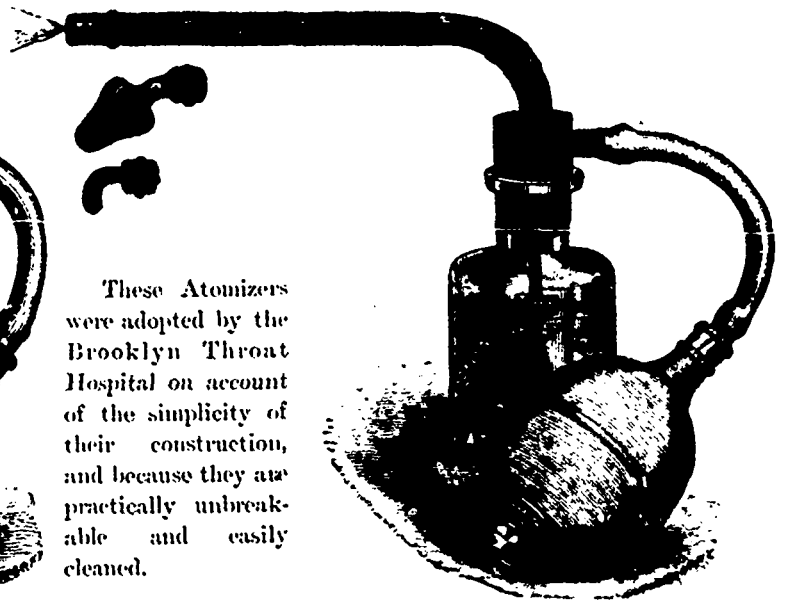
VASELINE ATOMIZER.

- Single bulb, \$10.50 per doz.
- Double bulb, 13.50 "

Any Atomizer with double bulb, extra per dozen, \$3.00.



- No. 102.—1 Tip, Throat, \$6.00 per doz.
- No. 103.—2 Tips, Throat and Nasal, 7.50 "
- No. 104.—3 Tips, Throat, Nasal, Larynx and Post-nasal, 9.00 "
- (The Larynx tip revolves, thus answering for up and downward spray.)
- No. 105.—3 Tips with double bulb, \$12.00 per doz.



These Atomizers were adopted by the Brooklyn Throat Hospital on account of the simplicity of their construction, and because they are practically unbreakable and easily cleaned.

THE "BROOKLYN THROAT HOSPITAL."

- No. 40.—1 Tip, Throat, \$ 8.00 per doz.
- No. 50.—2 Tips, Throat and Nasal, 10.00 "
- No. 60.—3 Tips, Throat, Nasal, Larynx and Post nasal, 12.00 "
- Any No. with double bulb, extra per dozen, \$3.00.

SPECIAL OFFER.—We will allow 10 per cent. discount to anybody sending us an order for three dozen assorted Atomizers within 60 days.

ELLIS & GOLTERMANN, Manufacturers,

28 COLLEGE PLACE, NEW YORK.

HOLIDAY - GOODS

- FOR THE -

1890—DRUG TRADE—1891

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

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

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

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

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

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

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

Smith & McGlashan Co.,

DRUGGISTS' SPECIALTIES,

53 Front St. East, - Toronto.

HICKSON, DUNCAN & CO.,

25 FRONT STREET,

SUCCESSORS TO

W. H. BLEASDELL & CO.

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

DRUGGISTS' AND TOBACCONISTS' SUNDRIES,

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

Yours respectfully,

HICKSON, DUNCAN & CO.



B. Laurance & Co.

WHOLESALE OPTICIANS,

251 St. James St. - MONTREAL.

A Specialty made of Assortments
for Drug Stores.

By using their Test Cards a customer can be
satisfied at the first attempt,

J. PALMER & SON

1743 & 1745 Notre Dame,
MONTREAL.

AGENTS FOR

PEARS' & SOAP,

Bertrands Freres Perfumery,

Dupont's Brushes.

Special prices given for Import Orders on
Brushes and Perfumery.

We have just received and our stock is now
complete in the following:

Turkey and Honey Comb Sponges, 250
Cases.

Chamois Skins, extra quality and good
value.

Violet and White Lilac Perfumes, the
latest and best.

Also Roger & Gallet's, Coudray's, Gelle
Freres, Pinaud's and Pivers', Colgate's
and Vennard's Perfumery.

A splendid variety to select from.

R. BRAYLEY,

Wrapping Papers,

Paper Bags,

TWINES,

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

Printing at lowest prices.

14 Front St. West, - TORONTO.

THE GREAT EUROPEAN DYE



Unequalled for Richness and Beauty of Coloring.

They are the ONLY dyes that

WILL NOT WASH OUT!

WILL NOT FADE OUT!

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

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

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

Same Price as Inferior Dye, 10 cts.

Canada Branch: 481 St. Paul Street, Montreal.

Send postal for Sample Card and Book of Instructions

NEW GOODS.

LYMAN BROS. & CO.

TORONTO, - ONT.

SPONGES.

	Per hundred pieces.
Case 100 pieces, Honey Comb, cut pieces, No. 3,	\$ 5 20
Case 100 pieces, Honey Comb, cut pieces, No. 5,	8 70
Case 50 pieces, Honey Comb, cut pieces, No. 7,	13 00
Case 50 pieces, Honey Comb, cut pieces, No. 8,	20 80
Case 25 pieces, Honey Comb, cut pieces, No. 9,	27 80
Case 25 pieces, Honey Comb, cut pieces, No. 10,	34 75
Case 25 pieces, Honey Comb, cut pieces, No. 12,	52 00
Case 25 pieces, Heavy Comb, cut pieces, No. 14,	83 20
Case 100 pieces, Honey Comb, perfect pieces, No. 17,	10 40
Case 50 pieces, Honey Comb, perfect pieces, No. 18,	13 90
Case 50 pieces, Honey Comb, perfect pieces, No. 20,	27 75
Case 25 pieces, Honey Comb, perfect pieces, No. 27,	124 80
Case 100 pieces, Turkey solids, No. 58,	3 50
Case 100 pieces, Turkey solids, No. 61,	13 00
Case 100 pieces, Turkey solids, No. 63,	20 80
Case 100 pieces, Turkey solids, No. 64,	27 75

Shell Castile Soap, 10 and 3 lb. bars.
Shell Castile Soap, cakes, small, medium, large.

Chest and Lung Protectors, all sizes.
Chamois Lined Chest Protectors, all sizes.

BALDWIN'S

Queen Bess, Lalla Rook and Wild Plum.

We have these Perfumes in 8 oz. bottles,
and Sachets in 5 oz. bottles.

COLGATE'S SOAPS

As follows:

Sulphur, Bay Rum, Coleo, Clematis, Musk,
White Rose, Violet, Cashmere Boquet.

HOPECODD'S CARBOLIC AND SURPHUR SOAP.

We call attention to

LUNDBORG'S NEW ODOR,

"Swiss Lilac,"

In 1, 2 and 4 oz. bottles,

TRADE NOTES.

J. W. Struthers, drugs, etc., Teeswater, Ont., has sold out.

J. Gardiner, veterinary surgeon, Caledonia, has assigned.

A. G. McBean, druggist, of Hespeler, Ont., has assigned.

W. D. King & Co., patent medicines, Truro, N. S., have dissolved.

R. Tuthill is starting a branch, corner Queen and Peter Streets, Toronto.

J. A. Hobbs, druggist, Pilot Mound, Man., has added a watchmaking department.

There is a good opening for a druggist at Wapella, Assiniboia, writes a correspondent.

R. Ferrah, Galt, has gone to Europe in search of health. We hope he will be successful.

W. Black, formerly with Elliott & Co., now with Lanman & Kemp, New York, is visiting in Toronto.

John Gayfer, druggist, Ingersoll, with a partner has the contract of lighting Ingersoll with electric light.

I. P. May, formerly with J. R. Lee, Queen Street, is starting a business at 146 Queen East, Toronto.

Albert Oliver, physician and drugs, Medicine Hat, Assiniboia, has sold out his drug business to A. Hughes.

The East End pharmacy has moved into a fine store on Parliament Street, just opposite Gerard Street, Toronto.

The capsule makers of the United States have formed a combination and have advanced the prices of empty capsules.

The stock of Dan. Taylor & Co. was sold by auction Oct. 3rd, at 61 cents on the dollar, the total value being placed at \$2,008.

J. Deering, sr., who has for many years conducted a drug and stationery business in St. Johns, Newfoundland, died early in August.

Edwin L. Brooks, 137 Spadina avenue, has assigned to Robert Elliott, of Elliott & Co. The stock has been sold to J. F. Belfrey, for 65c on the dollar.

J. G. Shuff, of London East, has purchased the business of the Central drug store, London, Ont., and will continue it under the management of J. E. Platt.

Geo. M. Everest has sold out his retail drug business at Forest, Ont., to W. H. Bartram, who was formerly employed in his drug stores at Forest and at Arkona.

R. Brydon, formerly in the drug business in Mt. Brydges, Ont., and who was about opening out in Rat Portage, died suddenly in the former place last month.

Mr. J. G. Burkholder, druggist, of London, Ont., has been appointed lecturer on inorganic chemistry and chemical philosophy in the medical department of the Western University.

G. H. Nicholls & Co., of New York, have erected buildings for the manufacture of sulphuric acid at Capleton, Que., which when fully completed will be the largest of the kind in Canada.

We regret to learn that Mr. James White, senior member of the firm of White & White, Woodstock, Ont., has been confined to his room for several weeks, suffering from some lung affection.

Dan Taylor & Co., Arcade drug store, Yonge Street, Toronto, have assigned. The estate shows assets about \$2,000, liabilities, \$4,200. They offered 25c on the dollar, which was not accepted, and the stock was sold Oct. 3rd by auction.

Henry Wade, Kingston, was married on the 25th Sept., to Miss Cootes, 306 Berkley Street, Toronto. Before leaving Kingston he was presented by some friends with a silver service set, tray, tilting pitcher, and a case of fancy cutlery.

W. E. McCartney, who lately sold out his drug business at Kamloops, B. C., was tendered a complimentary supper by the Oddfellows of that place, previous to his departure. He has not decided yet where he will permanently locate.

W. F. Doll, wholesale jeweller, Winnipeg, has purchased the stock and real property of the estate of A. C. Freeborn, drugs and stationery, Virden, Man., and has resold the same to J. W. Higginbotham, of Bowmanville, Ont., who will continue the business.

The regular half yearly examination of the Pharmaceutical Association of Manitoba, was held at Winnipeg, on Wednesday and Thursday, the 1st and 2nd of October. The course of lectures for the season of 1890-91 commenced at Winnipeg on the 1st of October.

Mr. F. P. Reynolds, druggist, of St. Thomas, had the misfortune to have his eyes severely burned recently. He was putting up in a bottle a compound of sulphuric acid and turpentine when it exploded, burning his eyes severely, but it is hoped not so as to injure his sight.

Kenneth Campbell & Co., Montreal, are opening on the corner of St. Catharine Street and St. Phillip's Square, one of the handsomest drug stores in the city. The fittings and general arrangement of the store being of the latest designs, and it is claimed will be unsurpassed by anything on the continent.

After a residence of over 30 years in Woodstock, Ont., Mr. Robt. Stark, druggist, has decided to remove to Hamilton, Ont., where he has purchased a business on the corner of York and Merrick Sts. Mr. Stark has outlived most of those who were in business in Woodstock when he commenced there, and his departure will be greatly regretted by his fellow towns men.

Cocoanut butter from Germany is among the latest curiosities in the market. It is valued at about 17c to 18c per pound and said to be very good for cooking.

Montreal Notes.

All the Montreal pharmacists complain of slack business. The exodus of all the best families to the seaside and the country, which is now a recognized Montreal custom, was the explanation during July and August, but the dull season appears to be long drawn out this year.

Large numbers of young men are entering on the study of pharmacy in the Province of Quebec. The glitter of the gold labels and tinsel of the modern drug store seems to be the great attraction. The same insanity appears to affect both provinces and the manly, self reliant and independent life of the educated agriculturist is pitched overboard for the pseudo-respectability and slavery of the drug counter.

It is quite evident that another decade will bring about an overstock of drug stores, if it is not the case already.

The question of the exchange of diplomas with the Ontario College is again on the tapis, and has been referred to a special committee of the Council of the Pharmaceutical Association. It is probable there are points in the Quebec Act which will prevent a free interchange.

At a late meeting of the Pharmaceutical Association it was decided that it would be injudicious to formally appoint the Montreal *Pharmaceutical Journal* as the organ of the association.

The cases before the Police Magistrate against one or two doctors, who while carrying on the drug business refuse to pay the annual license fee as laid down in the Quebec Pharmacy Act has been taken *en delibere*, as has also the case against a druggist for carrying on his business with his own name on the labels and signs while a physician is the actual proprietor.

Drug clerks intending to try their luck in Montreal should bear in mind that it is a *sine qua non* to all pharmacies east of Phillips Square and the region south west below St. Antoine Street, that the employees must be able to speak both English and French.

The new building of the Montreal College of Pharmacy was officially opened for the coming session on Wednesday evening, Oct. 1.

A large number of students have come to Montreal from the rural districts and other cities and towns in the Province to attend the lectures this winter at the College of Pharmacy. Nearly all of them have found employment in city pharmacies.

Quill toothpicks come from France. The largest factory in the world is near Paris, where there is an annual product of 20,000,000 quills. The factory was started to make quill pens, but when these went out of general use, it was converted into a toothpick mill.

The Russian Medical Department has issued an order that druggists are on no account to dispense medicines on the prescription of dentists.

Pharmaceutical Education.

How It May be Made Practical and Adapted to the Practice as well as the Theory of Pharmacy.

BY HENRY H. RUSBY.

At the meeting of the A. P. A. Sept., 1890, in attempting to throw some little light upon the very important question of which my paper treats, I expressed the hope that it will elicit a free discussion by the teachers among us. The profession of the teacher is a liberal and a generous one. We, at least, have no secrets; but we must all have ideas concerning our work which can be promulgated with mutual advantage, and such occasions as the present we should make the most of.

As a rule, advanced students are the most neglected class of students, and that which we call higher education is high only in the sense of treating of advanced subjects, its strictly educational features being most incomplete and unsystematic. As a preparation for instruction in the humblest primary school, a thorough course of training in the theory and art of teaching is considered indispensable, but in much of our professional instruction it seems to be entirely lost sight of that there exists a science of education just the same as a science of chemistry, of physiology or of botany, the mastery of which is an important, not to say necessary, preparation for a successful teaching career. The teachers in our public schools organize district and city, county, state and national associations, where they periodically discuss, not the subjects which they are called upon to teach, but the teaching of those subjects; and where effort is directed not so much towards the discovery of new truths in general science, as of improved methods of presentation and new apparatus or device for illustration. But professors in colleges and this is more particularly true of those in medical colleges content themselves too much with the pursuit of their own investigations, and proceed to the work of teaching merely because they are proficient in the particular branch of science represented, and frequently totally devoid of experience in teaching, of knowledge of the fundamental principles on which the art depends, and, in short, with the most meager qualifications for successfully imparting to those dependent upon them the rich stores of knowledge which they themselves possess. Under such conditions a large part of their effort is wasted, and a considerable proportion of the money annually expended in professional education is practically thrown away. The student must have some definite object in attending upon courses of lectures in preference to studying his text books at home and this object must be the gaining of some special advantage by that method. Such advantage he can gain only by virtue of some special effort put forth, or some special device resorted to by his teacher to the end of enabling him to acquire the utmost possible at the least ex-

penditure of time and effort, and in such a manner as is best calculated to prove of future utility. But these particular accomplishments the teacher is not at all likely to stumble upon. The laws under which he is to act are as old as the human intellect, and their study is the most profitable means toward the accomplishment of the end sought. It is upon these same fundamental principles that all successful teaching must be based, although we have various systems to choose between, and the methods are as varied as the nature of the student and his surroundings.

In the absence of any extended experience as a teacher of students of pharmacy I should hesitate about offering my small contribution to this subject, but for the fact that the methods to which I solicit your attention are the results of extended study of the theory and art of teaching and a long experience in the work in other fields.

We find the following conditions confronting us in our work in the College of Pharmacy:

First, we are preparing men for a business not sufficiently remunerative to warrant them in devoting the long years of preparation customary for the professions of theology, medicine and law. For this reason, chiefly, we can never hope to secure classes composed largely of college graduates, or of men - and of women, for we are to see more of the girl student in the future than we have done in the past - skilled and disciplined in the art of study. A most unsafe class, therefore, to be left to their own devices in this matter. If we would make the most of them we must do much of their thinking for them, so far as relates to methods of study, and we must walk with them at every step and be ever watchful to guard them against the errors and oversights that more experienced students would of themselves avoid. And not only against errors and oversights, but against deliberate omissions as well, for our young man has not only not yet acquired the best habits of studying, but in very many cases he has not yet learned that study is not a hateful drudgery, and has not reached the point where he can be trusted to apply himself with faithfulness.

To meet this condition a faithful application of quiz methods is the most efficient artifice we can employ. It is here that the student is to receive not only a constant review of the subjects which he has passed over, but where we are to indicate to him, by the nature of our questions, those portions of his subject which are of the greatest importance, and to train him in the art of utilizing the results of his instruction gained in the lecture room. The professor should work closely with the quiz master; should accompany him at times into the quiz room and express a lively interest in all that he does. He should at times institute extemporaneous quizzes of his own, and should be always prepared to discuss with his students the practical application of his teaching, not only to the work of his own department, but its relations to the teaching of the associated chairs. Too close a relation can

not grow up between the professor and his students, and the quiz class cannot be too assiduously cultivated.

Of eminent advantage in the same direction also is the arrangement of the different courses of instruction, so that they shall fit properly into one another, and so that the entire course of the college shall constitute one regularly graded and harmonious system of instruction, the same as is done in other schools, and with us even more important than elsewhere.

The necessity of making the lectures attractive requires no comment. Only the most attentive and eager of students can sit with profit under a dry and unattractive lecture, droned forth without illustration or attempt at ornamentation.

A second element of difficulty with us is the shortness of the ordinary pharmacy course. There is scarcely time for thoroughly working the half of the ground that must be gone over, and there is the utmost necessity for unflagging application and a perfect atmosphere of earnestness and thoughtfulness.

We have to consider, moreover, in selecting our subject matter and adapting our methods, the precise object which the student of pharmacy holds in view. Surrounding himself as best he may with the conditions for culture and refinement, his course of study is nevertheless not designed for culture nor general discipline. His objects are purely technical. His design is to fit himself for a business, partly professional, it is true, but largely commercial, where he is to engage in a fierce conflict for a livelihood, and where he cannot afford to sacrifice too much of the actual technical details of his business for the pursuit of the associated enjoyments of pure study. Bearing this thought, in connection with that of the short time at our disposal, steadily in mind, we must do two things, and do them relentlessly:

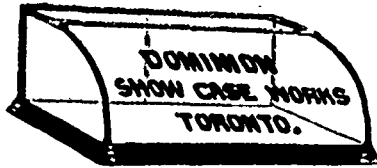
First, we must eliminate from our course of instruction everything of a purely elevating nature, the presence of which would necessarily displace any instruction on which the business success of the young man shall in any measure depend. Instruction of a higher order must of necessity be withheld until the time shall have arrived when our colleges generally shall provide post-graduate courses of instruction.

Secondly, we must, in presenting such subject matter, leave nothing to the imagination, but present it all in the most realistic manner that it is possible for us to devise under our respective circumstances. There is scarcely a field of labor where knowledge must be so definite, clear cut, accurate and unequivocal and where the element of personal familiarity counts for so much as in the practice of pharmacy. We must not tell our students about the things of which we are teaching; we must make him personally familiar with them. It is not enough that we should explain to him the processes for doing his work. We must allow him first to see us performing it, and not at the distance of 150 feet, but so that he can see and understand every detail; and

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Afterward we must have him do it under our supervision and under conditions which admit of our following and sharply criticising every detail of his manipulations. The old days when a sleepy attendance upon a course of lectures, however learned their source, could be considered a course of instruction, have gone, it is hoped, never to return. The ideal is attained only when every detail taught in the lecture room is followed by ample laboratory practice. Better, if anything is curtailed, that it be the didactic lecture rather than the laboratory course.

Coming now particularly to my own department, I note that the ultimate object of the study of Pharmacognosy is to enable the student to identify and determine the quality of drugs by their physical examination. Perfection is reached when he is competent to do this in the case of every known drug. But such perfection is far beyond the bounds of possibility in the college course. Only a portion of the materia medica can be thus learned, and he must depend in his dealings with the others, upon applying the description to which he will refer when necessary. He must, moreover, be prepared to intelligently interpret the descriptions of subsequent new comers and very likely to construct and present such descriptions of his own. Appreciating this necessity, we note that only half our task is performed when we have familiarized our students with such drugs as we can find time to study with him. We must supplement this teaching by making him perfectly familiar with the use of the term used in scientific description.

We may therefore consider the following three tests, as fairly indicating our success in securing practical results (the only kind that we have a right especially to consider) from our teaching.

(a) The ability of our student to form a correct idea of a drug that he has never seen, from considering a description of it.

(b) His ability to describe a drug fully and accurately in scientific language.

(c) His ability to recognize, and determine the value of, a reasonable number of drugs from their physical examination.

If we keep these three practical results clearly in sight we are in the way to know exactly what kind of instruction to impart, and we shall have a perfect guide to proportioning it.

To familiarize our students with the use of descriptive scientific terms and to thus meet the first and second of our tests the course in botany and junior pharmacognosy is instituted. While the laboratory hour is known as junior pharmacognosy, it is really but the practical application of the teaching of the botany lectures. It is practical structural botany. Its superiority to the ordinary practical summer course in botany lies in the fact that we are not dependent upon the specimens that the season and locality afford, but we select from every locality, and preserve at leisure during the summer our material, and arrange it to suit our course of instruction, instead of being obliged to

adapt our instruction to our available material. In addition there is the important fact that we work with dried materials, the same that the pharmacist must be capable of handling in his business operations. Thus, acquiring at the outset the more difficult art; the student later can pass with facility to that which is easier. The laboratory course should cover every point of structure presented in the lectures. But an hour's lecture will treat of more points than can be covered by an hour's work in the laboratory. I therefore have recourse to auxiliary illustration in the lecture room. We must all have experienced the difference between becoming familiar with an object itself and seeing it illustrated by even the best possible pictures of the text book and the chart. By the system of card mounted specimens here shown you, perhaps half of the technical terms of descriptive botany can be vividly illustrated in the lecture room. Each student holds in his hands one or more cards of specimens illustrating the lecture of the hour, and the didactic lecture becomes merely an explanation of the objects there seen, and the application to them of the proper descriptive terms. (Illustrate with card showing outlines of leaves, &c.)

The objection that will naturally be urged against this method is the enormous labor that it involves, and this objectionable consideration can be neither disguised nor mitigated. To carry out the method with reasonable thoroughness for a class of 200 students requires 50,000 mounted articles, besides all the material used in dissection in the laboratory. But ladies and gentlemen, it pays the students and the man who has assumed the responsibility of training a large college class cannot justly decline any labor that will be of such great advantage to them. As conscientious teachers we must consider that we are bound to our students by moral obligations far transcending the business obligations that bind us to the institutions by which we are employed. We must confront ourselves with the test that we accepted at the beginning. We succeed when we secure graduates in whom the accurate idea is excited upon the instant that a descriptive term is named. It is a cardinal principle in teaching that no term should ever be used until after the idea that it represents has thus become the property of the student. If, as I read the botanical description of a certain species of plant which he has never seen, a picture is gradually built up in the imagination of my listening student, perfect in detail in proportion as the description is thus perfect, then I count that my teaching of this student has been successful in this particular direction. But just so far as we fall short of this result, just so far we have failed in our efforts. This statement would not apply to the students in all classes of schools. The minister, the journalist, and the author, like the unprofessional man of culture, could undoubtedly profit much by a series of didactic

lectures unaccompanied by any practical instruction. His financial success does not depend upon the extent and accuracy with which he can apply such instruction in the examination of natural objects; but this is by no means true of the pharmacist. Culture and discipline are not the objects sought, and we have no right to content ourselves with a course of instruction which ends with them. So far as our work is concerned, it is true that any course of lectures on botany or pharmacognosy or any portion of such a course that is not followed up by securing for the student a practical familiarity with its subject matter, may just as well be omitted as introduced, except for the mere name of its presence. The student who has listened, although again and again to such teaching without having been shown the things of which it treats, is no better off as a pharmacist than he would have been without it. He still encounters in scientific description a language that is essentially foreign to him, and is a stranger and an alien among the richest collections of literature and the most entertaining of scientific society.

If this portion of our work has been faithfully and successfully performed, then the student is ready to examine intelligently the objects which he is to study in his second year and thus to prepare himself for meeting the third of our tests.

The drugs with which he is to become familiar under our instruction he must see, and the word "see" here means a great deal. We must show him and teach him how to find for himself all the marks, both gross and microscopical, upon which the desired determination depends. To meet the requirements of this case I devote one hour in the laboratory for each hour devoted to didactic lecturing upon materia medica. While the lecture is called materia medica the laboratory course is called pharmacognosy, we must appreciate that the latter is merely the practice of the former in certain directions. Therefore, to say that I elaborate this kind of instruction so far as possible is to present one direct answer to the question, "How shall we make our teaching more practical?" For this purpose the articles are arranged in the order of their similarity in appearance, the order practically which is given in Maisch's text book. The gross characters are first considered, the dozen or so specimens for the day being compared as to points of similarity and difference, and afterward several of the most interesting are examined with the compound microscope. To each student is furnished an ample specimen of each article and in case of most of them he is allowed to retain them permanently and is encouraged to study them further at home.

Although the time thus allowed is short yet it is sufficient to get a fairly good knowledge of all the organic drugs of the Pharmacopœia, and the point which is of greater importance is that he is fitted for properly pursuing his studies in the future without assistance, and this is of much more value to him than any information which he may gain while at college.

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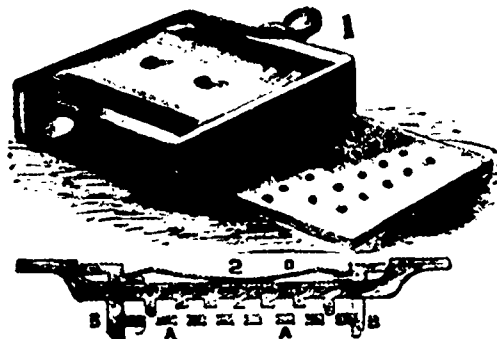
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CANADIAN DRUGGIST.

WM. J. DYAS, EDITOR AND PUBLISHER.

OCTOBER 15th, 1890.

WE AGAIN invite our readers to write for the CANADIAN DRUGGIST. Something is continually transpiring which will be either a source of information to your fellow druggist or else that he may be a help to you. Our aim is to be a medium of communication between all the drug trade of Canada.

THE new German Pharmacopœia, which is looked upon as the national guide book to German pharmacists, has been issued, and after January 1, 1891, becomes the law of the empire on all drug matters. The book is a volume of 444 pages, is published by the Government, and is sold at a very moderate price.

WHAT are our local Pharmaceutical Associations doing? Fall is now on us, and very few reports of meetings being held. In no way can the members of the profession find as much mutual benefit as in a constant attendance at these meetings, not only in the way of self-improvement, but also in the regulation of trade for their respective localities.

WE HAVE to acknowledge the receipt of a handsome and useful portfolio, with interleaved blotters, from Messrs. Fletcher, Fletcher & Stevenson, Holloway, London, England, together with a price list of their concentrated liquors, introduced by them more than ten years ago, and which now have a large and steadily increasing sale. The products of this house are of acknowledged value and reliability, and are most convenient as well as economical in the preparation of tinctures, infusions, syrups, etc.

PRESIDENT UNNEY, in the course of his address before the Pharmaceutical Conference, said: "Men should never enter the ranks of pharmacy without a recognition of the absolute necessity for patient and persevering study, and continuous observation and thought, and students must be disabused of the idea that the object of their education and work is solely for examinations. Those who always continue students, and learn that increased knowledge brings a wider field of thought and observation, are the backbone of this association. Those whose acquirements are completed with examination are millstones round its neck."

THE election of the Council of the Ontario College of Pharmacy will be held in July, 1891. As these elections will then for the first time be for district representatives, local associations should be formed in these several districts, and meetings held so that not only may the members become more intimately acquainted with those who aspire to be their representatives, but also that a

better knowledge may be had of the workings of the Council, and of what has been and is still being done in behalf of pharmaceutical education and the general advancement of pharmacy in the Province. Many druggists, we are sorry to say, are carelessly ignorant about these matters, giving but little thought to anything outside of their own personal ambitions and desire for prosperity. This is not as it should be, and we trust that a largely increased interest will in future be taken in everything which will redound to the credit of our chosen profession.

Montreal College of Pharmacy.

Montreal, Oct. 1, 1890. - The following is a list of subscribers up to date, to the building fund of the Montreal College of Pharmacy:

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In amounts under \$25, about	400 00

A feather duster disperses but does not remove the dust from the store.

CAMPHOR TRADE OF FORMOSA. - Camphor forms the chief article of export in Formosa, but of late years, owing to hostilities between the Chinese who collect it and aborigines, there has been a great falling off in the trade. Formerly the Chinese settlers had no difficulty in cutting down the trees, as they found them in hilly districts adjoining their own property, but as they never thought of replanting them were soon forced to penetrate into the interior, where the fierce aborigines declined to be pushed out of their possessions. In 1878 the export of camphor was 13,305 piculs, but for the last few years it has barely averaged 4,000 piculs, and this year it is said to be exceedingly small. The Chinese Government have always regarded the camphor trade as a monopoly, and have let it out on contract. This year there is said to be great difficulty in procuring camphor in Shanghai, and housekeepers putting away their woollen and fur goods for the hot season have to pay more than three times the usual price for the aromatic gum abhorred by moths. - *Calcutta Englishman*.

GUM PICKING IN TRIESTE. - Among the working population of Trieste the "sessolotte" -- or "shovellers" -- form a distinct and easily recognizable class. These "sessolotte" are the girls employed in sorting and classifying gums, figs, dates, and other produce for which Trieste is an important market centre. They lift the goods out of the original packages by means of a "sessola," or small wooden scoop, and place a supply on a small wooden table made for the purpose. The "sessolotta" holds a knife in her right hand, and with this and the fingers of the left hand she is able to sort in an incredibly short time, the gum or other material which she is told to pick according to size and quality. It is said that the natural gum arabic, as it arrives in Trieste, has to be picked twelve times in this manner before it is finally fit to be brought into commerce as finest hand-picked quality.

ANTIPIRYN IN TIN BOXES. - Some antipyrin purchased in January in original 250-Gm. tin cases, when opened in June showed, according to Mr. Gruner, wherever the compound had come into direct contact with the tinned sides of the case, a striking reddish-yellow coloration (*Zeit. oesterr. Apoth.-Ver.*, June 10th, p. 301). A chemical examination showed the preparation to be otherwise faultless. It was neutral in aqueous solution, odorless, behaved normally towards all reagents, and melted at 112 C. The antipyrin in the cases opened in January was without defect, and some which had been preserved since that time in glass had remained quite white. Mr. Gruner therefore recommends that manufacturers should use glass for packing antipyrin. - *Pharm. Journ.*

Every line of goods embodies a history worth years of study to understand.

DRUG LABELS

NEW CATALOGUE NOW READY!

Showing a general variety of New Styles in Druggists' Printing. Send your Business Card or Printed Label and receive a copy.

HAMMOND & JONES, BALTIMORE, MD.

We pay special attention to preparing in first-class style all Printed Matter needed for New Preparations. Correspondence solicited. Address, **HAMMOND & JONES, Druggists' Printers BALTIMORE, MARYLAND.**

MERZ COMPOUND SANDALWOOD CAPSULES

E. I. SANDALWOOD,

BALSAM COPAIBA,

HAARLEM OIL,

OIL OF CASSIA AND SODA CARBONATE, C. P.

Each Capsule Containing 10 Minims.

LIST No. 17.	{	Size A—1 dozen in box.	}	LIST No. 128.
ELASTIC FILLED.		" B—2 " "		HARD FILLED.
		" C—3 " "		
		" D—100 " "		

Treatment same as in E. I. Sandalwood.

PRESCRIBED BY PHYSICIANS EVERYWHERE.

In Prescribing or Ordering Specify **MERZ**. Send for Formula List of Standard and Special Formulae.

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

THE MERZ CAPSULE CO., - **Detroit, Mich.**

FORMULÆ.

LIQUID COSMETIC. *The Saisen Zeitung* recommends the following:

Glycerine.....	0.05 gm.
Zinc oxide.....	30 gm.
Stearite, white in finest powder.....	60 gm.
Tincture of benzoin.....	5 gm.
Cologne water.....	50 gm.
Rose water.....	250 gm.

Mix.

As a dressing for burns, the following is recommended by Unna, in *Therapeut. Monatsch.*:

Take of	
Anhydrous lanolin.....	10 parts.
Benzoinated lard.....	20 parts.
Lime water.....	30 parts.

Incorporate the lime water thoroughly with the other ingredients.

MENTHOL GLYCERIN CREAM for the teeth is prepared as follows, according to *Jnl. Blatter*:

Take of	
Precipitated carbonate of calcium.....	20 parts.
Powdered white castile soap.....	10 parts.
Carbonate of magnesium.....	5 parts.
Menthol (dissolved in alcohol),	
Carmine (dissolved in aq. ammonia),	
Glycerin, of each q. s.	

Rub the three first ingredients into a paste with glycerin, then flavor and color to suit with the menthol and carmine solutions.

PROTECTIVE LOTION AGAINST INSECT BITES.

Take of	
Acetic ether.....	5 parts.
Eucalyptol.....	10 "
Cologne water.....	40 "
Tinct. insect powder (1:5).....	50 "

Mix.

Before applying to the exposed skin dilute with 3 to 6 parts of water.

OIDTMANN'S PURGATIVE.—Dr. Samuel Benton speaks highly of the use of Oidtmann's purgative as a remedy for habitual constipation, and states that the preparation contains

Glycerin.....	1 dr.
Succi limonis.....	½ dr.
Succi rhamni frangulae.....	½ dr.
with a diminutive quantity of alcohol and acetic acid (1 in 800). He has given the medicine an extensive trial, and has found it by micro-injection a most gentle and un-irritating means of emptying the rectum.	

ARISTOL, EXTEMPORANEOUS.—Louis Boule, of Alger, gives the following in the *Repertoire de Pharmacie*:

A. Crystallized thymol.....	50 parts.
Caustic soda.....	50 parts.
Iodide of potassium.....	58 parts.
Distilled water.....	500 parts.

Warm lightly, and dissolve, and stand aside to cool.

B. Labarraque's solution..... 2,500 parts.

Pour solution A into B, and agitate strongly. The aristol is precipitated in the shape of a magma (which, in the course of fifteen minutes, liquefies spontaneously). Cast the whole on a filter or folded linen cloth, and wash with distilled water. Put in a dark place to dry.

The Labarraques solution must be of full officinal strength (i. e., officinal solution of sodium hypochlorite).

ELASTIC WATERPROOF BLACKING FOR LEATHER.

Ivory black.....	8 ozs.
Molasses.....	8 ozs.
Vinegar.....	4 ozs.
Sulphuric acid.....	1 oz.
Sperm oil.....	1½ ozs.
Gutta percha.....	1 oz.
Chloroform.....	8 fl. ozs.
Benzol.....	8 fl. ozs.

Dissolve the gutta percha in the chloroform and benzol; mix the remaining ingredients, adding the acid slowly; and finally combine the two liquids.

Keep in a well corked bottle and shake before using.

FLOOR POLISH.

Stearin.....	1,000 parts.
Yellow wax.....	250 "
Potash.....	600 "
Hard soap.....	100 "
Water and coloring matter to suit.	

PRESERVING FLUID.

Take of	
Alum.....	100 parts.
Chloride of sodium.....	25 "
Nitrate of potash.....	12 "
Carbonate.....	60 "
Arsenic.....	10 "
Water.....	3,000 "

Dissolve the arsenic with the carbonate of potash in half the water. Dissolve the remainder of the salts in the remainder of the water, and boil separately the two solutions; then mix gradually.

When cold, filter, and to each 2½ ozs. of the solution add

Glycerine.....	1 oz.
Methylated spirit.....	2 drms.

CREASOTE AND IODOFORM.—Barthelemy's formula, for use in cases of consumption, is:

Iodoform (powdered).....	2 gm.
Creasote.....	3 gm.
Balsam of tolu.....	5 gm.
Benzoin (powdered).....	5 gm.
Glycerin.....	3 gm.

The creasote and iodoform are first mixed, the glycerin added, and the whole is then to be triturated for two minutes, after which the balsam and benzoin are added.—*Drugg. Bull.*

GUM CHICLE, the principal ingredient in chewing gum, has advanced to over a dollar a pound. It is gum from a tree which grows in Mexico. It is said that its advance in price is owing to the fact of its increasing scarcity, and that in a very few years it will become exhausted. Twenty-three years ago the value of chicle had not been discovered. It was used as ballast for ships, which, when the vessels arrived at New York, was thrown overboard as worthless.

NEW ARISTOLS. It is reported that success has attended the efforts of a well-known German firm of chemical manufacturers in the direction of the preparation of bodies of the aristol type, which contain iodine in large percentage that may be readily given up in the system. There are altogether three new substances which are ready for clinical experiment—viz.: diiodophenoliodide, diiodoresorcinmonoiodide, and iodosalicyliciodide.

The London Drug Co.

IMPORTERS,

100 Dundas Street, London, Ont.

We carry in stock a large and varied line of **Fine Chemicals**, and are constantly making additions to it, and strive to have on hand all the **New Remedies** demanded by the medical profession.

We have now in Stock:

Antipyrin.	Ichthyol.
Antifebrin.	Lanolin.
Aconitine.	Mollin.
Atropine.	Phenacetine.
Apomorphine.	Pilocarpine.
Aristol.	Pancreatine.
Alain.	Paraldehyde.
Caffeine.	Pelletierine.
Cocaine.	Resorcin.
Chloral Hydrate.	Sulfonal.
Chloralmid.	Sparteine (sulphate).
Dijastase.	Sozoiodol.
Digitaline.	Strophanthus (tincture)
Dulboisine.	Sonnal.
Ergotine.	Salol.
Eserine.	Terebene.
Eucalyptol.	Terpin Hydrate.
Hyoscyamine.	Thymol.
Homatropine.	Urethan.
Hypnone.	Veratrine.
Isolol.	

PEPSINE, We Keep:

Parke, Davis & Co.'s Scale and Powder,
Fairchild's Scale and Powder,
Merck's Scale, Golden Scale, Saccharated Pepsine,
Jensen's Scale, Lactated Pepsine, English Pepsine,
Houghton's Pepsine, Bouhault's Pepsine,

Merck's Pepsine (in 1 lb. and 1 oz. bottles) is moderate in price and **EXCEEDINGLY RELIABLE.**

DID YOU HEAR ABOUT —THIS?—



Pennyroyal Wafers

Have an Imprint Label on Both Box and Wrapper in French and English, with our Signature in RED across both. Look for this hereafter.

NOT A DRUGGIST

In Canada or United States ever was overstocked with our goods when buying of us, but several got bit with counterfeits. We cannot advertise counterfeit goods. But the original and genuine we will advertise, and well, too.

We want one Druggist in each town or city for Local Agent. Will advertise him as local dealer. Make terms with him in which his profit is assured.

If you want to get good profits at no expense to your self, write to us, tell us something about your location and class of trade. We ship from Windsor, Ontario. No Duty to pay.

Address to Main Office,

Eureka Chemical Co.,

10 & 12 Michigan Ave.,
DETROIT, MICH.

FRED'K STEARNS & CO.,

(ESTABLISHED 1865—25 YEARS)

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

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

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

PILLS AND GRANULES

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

FLUID EXTRACTS,

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

Syrups--Medicinal and Medicated.

Concentrated Liquors for Extemporaneous Use.

DIGESTIVE FERMENTS,

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

LOZENGES, MENTHOL PENCILS AND INHALERS.

SAXOLINE,

Plain, Perfumed, Medicated: Its Preparations and combinations.

CASCARA SAGRADA,

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

PLASTERS,

In Roll, Porous, Court and Surgeons'.

Perfumes, Handkerchief Extracts, Toilet Waters, Sachet Powders, Etc.

Soda Water Requisites, Soluble Essences, Flavoring Extracts, Etc.

National Formulary Preparations--Elixirs, Wines and Syrups.

NON-SECRET MEDICINES

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

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

SPECIALTIES.

Stearns' Effervescent Granular Hydrobromate of Potash.

Caffine Scidlitz--Very efficient headache remedy. Improved Bronchial Lozenges--Very salubrious. Put up in bulk and in boxes. Sample sent upon application.

Licorice and Tolu Tablets.

The Ideal Inhaler (Mentholized Air)--For catarrh, cold in the head.

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

Stearns' Fluid Extract Myrcia (Hay Rum Essence)--Highly concentrated, giving no odor of the Bay Leaf.

Fluid Extract Verba Santa--For disguising the taste of quinine.

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

Fluid Extract Golden Seal (Colorless). Imperial Tooth Soap--The best dentifrice made. In colored lithographed hinge-top tin boxes.

CORRESPONDENCE SOLICITED.

FRED'K STEARNS & CO., Windsor.

KENNETH CAMPBELL & CO.

WHOLESALE DRUGGISTS AND PHARMACEUTICAL CHEMISTS, MONTREAL.

CAMPBELL'S FLUID EXTRACTS

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

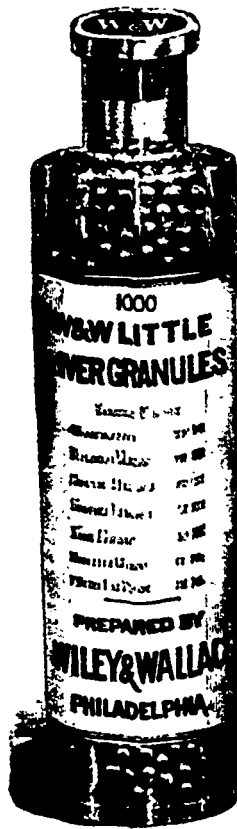
CAMPBELL'S ELIXIRS

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

CAMPBELL'S PHARMACEUTICAL SYRUPS

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

W. & W. LITTLE LIVER GRANULES.



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

FORMULA.

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

THE WINGATE CHEMICAL CO.,

B. E. MCGALE, Manager.

COR. NOTRE DAME & MAPLE AVE., MONTREAL.

PROPRIETORS OF

Smith's Green Mountain Renovator,
Stanton's Pain Relief,
Wingate's Pulmonic Troches,
Wingate's Dyspepsia Tablets, Lozenges,
Wingate's Cavalry Condition Powders,
Wingate's Medicated Glycerine,
McGale's Sprucine,
Dr. Coderre's Infant's Syrup,
Gregory's Toothache Cure,
McGale's Butternut Pills.

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55 Colborne Street,

TORONTO, ONTARIO.

SPECIALTIES :

Burdock Blood Bitters, Burdock Healing Ointment, Burdock L. and K. Plaster, Burdock Pills, Victoria Hypophosphite, Victoria Rubber and Uva Urosi, Hagar's Pain Remedy, Hagar's Pectoral Balsam, Hagar's Cathartic P. Ls., Hagar's Yellow Oil, Hagar's Black Oil, Hagar's Condition Powders, Dr. Wilson's Magnetic Ointment, Hagar's Cat's Paw, Dr. Boyer's Galvanic Fluid, Dr. Fife's Worm Lozenges, National Pills, Egyptian Salve, Dr. Abernethy's Worm Candy, Freeman's Soothing Syrup, Freeman's Worm Powders, Freeman's New Domestic Dyes, Dr. Low's Worm Syrup, Dr. Low's Sulphur Soap, Dr. Low's Pain Cure Oil, Milburn's Red, Iron and Wine, Milburn's Quinine Wine, Roscoe's Hair Reviver.

C. C. BRIGGS & SONS

25 King St. West,

Hamilton, Ont.

SPECIALTIES :

Briggs' Black Oil, Briggs' Life Pills, Briggs' Electric Oil, Briggs' Magic Relief, Briggs' Botanic Bitters, Hoop's Magnetic Ointment, Hope's Anodyne Toothache Drops, Prof. Kennedy's Combination Pills, Wistar's Pulmonic Syrup, Lamont's Baby Cordial, Sittzer's Worm Candy, Sittzer's Worm Syrup, Leistershire Tick and Vermin Destroyer, Kennedy's Foulmer and Head Ointment, Golden Eye Salve, Star Cement, Wade's Condition Powder, Clarke's Female Pills, Peleg White's Sticking Salve, Temple's Harness Dressing Oil, Oriental Confections, Shoo Fly Fly Poison.

W.A. GILL & Co. COLUMBUS, OHIO, U.S.A.

PLAIN, LACQUERED AND DECORATED

DOVES AND DECORATED

MAKE THE BEST SEAMLESS TIN

IN THE MARKET

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

FOR PROPRIETARY MEDICINES INKS, EXTRACTS &c. SAMPLES & PRICES FURNISHED

THE SLOUGH

132 NASSAU STREET, NEW YORK.

CORRESPONDENCE.

New York Letter.

NEW YORK, Oct. 11TH, 1890.

In proportion to its numbers of the craft, or its membership of the American Pharmaceutical Association, the numbers from our city do not make as good a showing as they should at its meetings, but there was a fair representation at the meeting at Old Point Comfort a month or so ago. At the meeting about 400 in all were present, making it rank among the most successful in numbers, while in its papers and proceedings it had unusual excellence. We noted but one representative from her Majesty's possessions, Mr. J. A. Clark, the President of the Ontario College of Pharmacy, and we think he could ably tell his associates of the excellence and interest of the gathering.

More recently, the National Wholesale Druggists' Association met at Washington, and the proportion of New Yorkers present was a very large percentage of its membership in that city and state. It was an excellent meeting in spirit, in work, in accomplishment, and if some way can be evolved through its joint committee to elucidate the vexed question of how to secure a better profit on proprietary articles, it will bring joy to the hearts of a vast proportion of the retail druggists. We noted the presence of two Montreal members of the craft, Charles Lyman and Thomas Reid.

The Colleges of Pharmacy are now in session, most of them having opened "with full houses" during the past two weeks. The question of pharmaceutical education is one that should receive this practical solution, that every graduate of an honorable college of pharmacy should have the preference of employment, other things being equal. He should have the preference in point of salary, as he has given time and money to obtain his information, while those that briefly cram for the express purpose of passing boards of pharmacy, are very frequently not the possessors of a lasting knowledge, that makes them the trusty and responsible aids they should be. Boards of pharmacy are good in their way, but they are in many instances outwitted in the apparent knowledge of their applicants, and many a one obtains his certificate of proficiency who utterly fails to sustain this reputation behind the counter when face to face with an emergency, or even some every day experience.

The late troubles of the wholesale druggists as to what will be the outcome of the tariff question is now settled for a time, and, as we review the schedules, it seems as if it will not make a very serious difference in values on the general run of the articles that are enumerated among drugs and chemicals. The annoyance to the merchant here and producers at home and abroad, is that our legislators will forever keep either tinkering at the tariff

or threatening to do so. It does seem as if on some foreign products there has been an unwise increase in duties, at least this increase has been so great on some articles as to appear unjust to both producer abroad and consumer here that some pet industry may reap a benefit that is disproportionate.

Retail drug business in our city is now more active than during the summer months, and there is and will be an increasing amount of business each month until early spring, unless we are again favored (h) with *la grippe* or some mild epidemic. New stores are opening in many of the rapidly building up districts, though occasionally some one more venturesome than his fellows starts in an already well supplied neighborhood. Among the new stores is one on Madison avenue at 57th street, opened by one quite well known in pharmaceutical circles, Max J. Brienbach, which for beauty is specially attractive and for completeness of detail is quite unparalleled. A place for everything, and in this special instance everything means a great deal, for there is in my experience no one store that I have ever seen that has so great a variety of conveniences for the accomplishment of the work that the pharmacist may be called upon to perform. We specially call the attention of any of your readers who may visit our city and urge them to visit this establishment where they will be sure of a hearty welcome from its proprietor or his worthy assistants.

By the way, why would it not be a good idea if the pharmacists of British North America would unite and form an organization somewhat akin to that of the American Pharmaceutical Association? There is material enough to secure a goodly organization and excellent results for science and to improve the business end of it too.

A Process for Purifying Alcohol and Alcoholic Liquids in General.

According to this invention alcoholic liquids are freed from impurities by treatment with a basic tartrate followed by a hyposulphite (thiosulphate). Tartrate of potassium or sodium, or, preferably, the double salt known as Rochelle salt, may be used. Among the hyposulphites, those of barium and sodium have given excellent results. The alcoholic liquid, contained in a suitably closed vessel, is mixed with small quantities of the tartrate, being well agitated after each addition, until it reacts neutral or faintly alkaline to test paper. The impurities are now allowed to settle, which requires from a few hours to several days, according to circumstances; but in any case the operation is considerably hastened by the application of heat or by the action of light. Hyposulphite is now added in quantity equal to about one-third of the tartrate used. The liquid is well stirred and allowed to settle, when the clear portion may be drawn off and rectified in the

usual way. This process is applicable to all kinds of alcoholic liquids, notably wines and rum, the flavor of which is greatly improved. Engl. Pat. 12,186 (issued to P. C. Rousseau and others). - *J. Soc. Chem. Ind.*

Situations Wanted.

WANTED—By a young man, a situation in a Wholesale Drug House. Served three years in a retail house. Satisfactory references. Address, "S. D." care Canadian Druggist, Stratford.

Wanted.

WANTED—5,000 pounds Dry GINSENG ROOT. We pay the highest market price and pay Spot Cash. T. KENNEY & SON, Hallerton, Que.



SOLID GOLD, - \$1.62
SOLID SILVER, - .87

Druggist's Pin

With your Initials or Name
Engraved on by Hand.

SPECIAL PRICES IN QUANTITIES.

Druggists handling Spectacles can see our samples at a low price by sending us their card. We make standing offer to refund money for any misrepresentation.

Refer to "Western Druggist," Chicago, "Druggist's Circular," New York, and "National Druggist," St. Louis, Mo.

REAL ONYX DRUGGISTS' CHARM FOR WATCH CHAIN.

A Miniature Mortar with Rolled Gold Plate Pestle and Bands,

ONLY \$1.50.

Gold Pin & Charm together, \$2.50
Silver Pin & Charm together, 1.57



Duryea Jewelry Co., 180 Broadway N.Y.

These Mortar Charms will be mounted in Solid Gold for \$2.50.

GLUTEN FLOUR.

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

DESICCATED WHEAT

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

BARAVENA MILK FOOD

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

THE TRADE SUPPLIED BY

The Ireland National Food Co. Ltd., Toronto

BETESEDA WATER.

Cures all Kidney Diseases, Bright's Disease, Diabetales, Torpid Liver, Dyspepsia, Insomnia, Calculi, Nervous Prostration.

Sold in half gallon bottles, bottled at the Spring, by all druggists and first-class grocers.

GEORGE S. MICHIE,

53 KING STREET WEST, - TORONTO.

Wholesale Agent for Ontario

"SUPERIOR NUTRITION THE LIFE"

IMPERIAL GRANUM

THE GREAT MEDICINAL FOOD

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

John Carlo & Sons, New York.

PACKAGE DYES.

Special to the DRUG TRADE of the Dominion :

The Retail Druggists of our Dominion, like other keen and shrewd business men, are ever on the alert to keep up as well as extend their trade, by carefully catering to the wants and necessities of the public. The people demand certain lines of goods which have become justly popular; and the Druggist who imagines that he can turn this tide of demand which has been created, into another channel, makes a huge mistake, and often injures his business. It is well known, that for many years, Diamond Package Dyes, for domestic dyeing, have won a fame and reputation never accorded to any other make. Their great merits have made them universally popular all over this American continent; and the manufacturers have always been successful in maintaining a uniform standard of strength, brilliancy, and durability of color, which can never be found in any of the many imitation and crude dyes now offered to the trade. Having the largest laboratory, and the best talent in the world, in connection with the package dye business, the manufacturers are enabled to turn out colorings which are deemed "Perfection" by those who are best able to judge.

Some manufacturers of inferior package dyes foolishly point to the great number of colors which they manufacture, in some instances they boast of about sixty colors.

The manufacturers of Diamond Dyes claim that a multiplicity of shades is a great disadvantage to the Retail Drug Trade, as it necessitates the keeping of a very large and useless stock, and of it "dead stock."

The manufacturers of Diamond Dyes, manufacture specially for the Drug Trade, forty solid colors and reduced shades or tints in questionable mixtures, but solid pure and undiluted dye stuffs, from which nearly two hundred lovely shades can be obtained. In this way the Retail Druggist is not burdened by an over stock of dyes, as he certainly is when he keeps inferior package dyes, which can never prove satisfactory to his customers.

The attention of the Retail Drug Trade is called particularly to a partial list here given of Diamond Dye colors, and the varieties that can be produced from them:

- | | |
|---|--|
| Diamond Dye Black,
Blue Black,
Steel,
Gray. | Diamond Dye Green,
Nile Green,
Grass Green,
Vienna Green,
Peacock Green. |
| Diamond Dye Cardinal Red,
Light Red,
Bright Red. | Diamond Dye Yellow,
Straw,
Lemon,
Canary,
Corn,
Maize. |
| Diamond Dye Scarlet,
Flame,
French Red,
Royal Red. | Diamond Dye Dark Green,
Bottle Green,
Myrtle Green. |
| Diamond Dye Magenta,
Solferino,
Rose,
Aniline Red. | Diamond Dye Olive Green,
Bronze Green,
Sage Green. |
| Diamond Dye Garnet,
Strawberry,
Claret. | Diamond Dye Old Gold,
Ecrú,
Bronze,
Olive. |
| Diamond Dye Terra Cotta,
Light Terra Cotta,
Mahogany. | Diamond Dye Purple,
Royal Purple,
Lilac. |
| Diamond Dye Indigo Blue,
Indigo,
Gobelin. | Diamond Dye Violet,
Mauve,
Lavender. |
| Diamond Dye Light Blue,
Peacock Blue,
Robin's Egg Blue. | Diamond Dye Fast Pink,
Shell Pink,
Salmon. |

In the same manner can all the fashionable shades of the day be obtained from all the other solid colors made in Diamond Dyes not mentioned here.

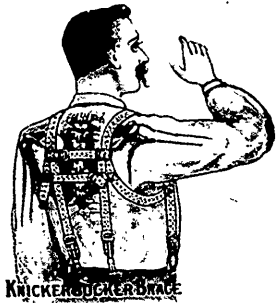
The manufacturers of Diamond Dyes are always alive to new improvements, and colors in the dye trade, and will at all times keep pace with every advancement in science, and will ever have the interests of the Druggist, as well as the consumers at heart.

Druggists are requested to send on for the new edition of "Successful Home Dyeing," a most artistic little book, and far in advance of any previous effort ever made by the Lithographer.

NO MORE ROUND SHOULDERS.

KNICKERBOCKER
Shoulder-Brace

—AND—
SUSPENDER COMBINED.



Expands the Chest, promotes Respiration, prevents Round Shoulders. A perfect Skirt-Supporter for Ladies. No harness simple—unlike all others. All sizes for Men, Women, Boys and Girls.

Cheapest and Only Reliable Shoulder-Brace.

The importance of a Shoulder-Brace in holding the body erect, expanding the Chest, preventing Round Shoulders and Hollow Chest, is well understood. Good health depends upon it. Many attempts have been made to present a suitable article for this purpose, all of which, however, were objectionable in some respects, which prevented their coming into general use. In the Knickerbocker Brace all objections have been overcome. It is a Combined Shoulder-Brace and Suspender. It provides new and improved suspenders for men's pants, and supporters for ladies' underskirts, which do the double duty of holding up and bracing up.

Sold by Druggists. Send chest measure around the body. Address,

Knickerbocker Brace Company,
EASTON, PA., U.S.A. N. A. JOHNSON, Prop.

For sale by Lyman Bros. & Co., of TORONTO, and other Wholesale Druggists.



SELECTIONS.

A TRIPLE Bunsen burner is described by Branson in *Chem. Zeitung*. This consists of three Bunsen tubes, so arranged that they may be separated, giving them distinct flames, or brought near together, whereby a large flame is obtained having the qualities of the Bunsen burner.

GUAIACOL. *Tests of Identity and Purity for Guaiacol.*—Marfori, in the *Annal. Chem.*, gives the following reliable reaction for guaiacol: One drop treated with a few of concentrated sulphuric acid gives a purple red color. If traces of cresol (cresol, creosol, &c.) are present the coloration will be of a greyish green. Excepting veratrol and veratrine no other bodies give this reaction.

OIL OF BITTER ALMONDS.—To detect oil of mirbane and oil of bitter almonds warm the suspected oil with black oxide of manganese and sulphuric acid. Nitrobenzol does not lose its odor by this treatment—it rather becomes more pronounced, and after standing for awhile an odor of oil of cinnamon is developed; oil of bitter almonds at first develops a disagreeable odor which, after some time, entirely disappears.

A NEW test for Lead has been discovered by Brenstein (*Pharm. Zeitung*) who found that phosphate of sodium will detect the presence of lead in solution so dilute that ammonia or sulphuric acid will give no precipitate. The solution must first be slightly acidulated with acetic acid, then supersaturated with ammonia, when the addition of phosphate of sodium will cause a white turbidity or precipitate.

BENZOSOL is the name of a benzoic acid ester, prepared from guaiacol, and introduced into materia medica as a substitute for this latter substance in the treatment of phthisis, its claim to superiority resting upon a less disagreeable taste. It occurs in the form of colorless crystals melting at 50° C., nearly insoluble in water, easily soluble in hot alcohol, chloroform, and ether: when pure it is nearly tasteless and odorless.—*Chem. and Drugg.*

FLUORIDE OF SODIUM.—This compound has been experimentally examined by Tappeiner with reference to its physiological action, particularly compared with that of sodic chloride and bromide. He found that it produced effects similar to those of the latter salts, particularly as regards the weariness, inclination to sleep and the retarding of speech and mental processes. On the other hand, he observed that a 0.1 to 5-per-cent. solution has a restraining influence upon the development of bacteria and cocci.

TO RECTIFY TURPENTINE.—A correspondent of the *Microscope* gives this method for use by microscopists:—Take 1 pint of the common turpentine and mix in a quart bottle with 4 fl. oz. of 98-per-cent. alcohol. Agitate well, and let stand until the two fluids separate. Decant the turpentine (which will form the lower layer)

from the alcohol, and mix it with 1 pint of clear water. Agitate thoroughly, and let stand until these two fluids separate, then from the water decant the turpentine (which this time will form the upper layer) and, finally, mix with the turpentine about 1 oz. of powdered starch, and filter through paper.

NON-SETTLING CINCHONA WINE.—The following recipe from the *Pharmaceutische Zeitung* yields a desirable preparation: Fifty parts of cinchona bark are macerated for two days with 50 parts of alcohol and 450 parts of water, the residuum is extracted with the same quantities of alcohol and water, the combined extracts evaporated to 100 parts, filtered after settling, and again evaporated to the consistency of a thin extract. This extract is dissolved with the aid of gentle heat in 50 parts of glycerine, 150 parts of simple syrup, and 1 of tartaric acid, after which 40 parts of cognac and 750 parts of sherry wine are added. The mixture is allowed to stand at least fourteen days in a cool place, and is then filtered. This wine will remain clear if kept in a temperature of about 70° F.

FLUOROFORM. Two parts of iodoform, 2 parts of silver fluoride, and 1 part of chloroform are mixed in a flask, which is cooled to 0°, and is connected with a lead worm kept at 23°, followed by a U-tube containing silver fluoride heated at 100°. The temperature of the flask is allowed to rise gradually, and the gas which is evolved is collected over mercury. It is purified from chloroform vapor by prolonged contact with fragments of dry caoutchouc, and from carbonic oxide by means of a solution of cuprous chloride in hydrochloric acid. The product is a colorless gas with a pleasant odor resembling that of chloroform. It burns with difficulty, with a blue flame and abundant evolution of hydrogen fluoride. It is only slightly soluble in water, chloroform, or benzene, but alcohol dissolves about five times its own volume. Its sp. gr. is 2.445, and it liquefies under a pressure of 40, atmospheres at 20°. If the pressure is suddenly released it solidifies. This gas is fluoriform, CHF_3 . When heated with alcoholic potash at 160 it yields potassium formate and fluoride. Sodium heated in the gas burns brilliantly with disposition of carbon and sodium fluoride and formation of menthane. When silver fluoride and iodoform react in absence of chloroform, much heat is developed, iodine is liberated, and a fluoriodoform is produced.—*M. Meslans, in Compt. Rend.*

It is recommended in the *Reperoire de Pharmacie* for July 10th, 1890, to dissolve 4 parts of salol in 4 parts of ether, and then add to 30 parts of collodion, and it is stated that the application of the salol-collodion to the affected parts in acute rheumatism will be followed by rapid relief of pain.

One thing in particular should be impressed upon clerks—the necessity of careful attention to small customers.



LIFE,
GROWTH
—AND—
BEAUTY
FOR THE HAIR.

LUBY'S PARISIAN HAIR RENEWER

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

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

—AND—

IS NOT A DYE.

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

General Agent for the Dominion,

R. J. DEVINS,

No. 4, St. James St., Court House Square,
MONTREAL.

WATSON'S COUGH DROPS

Are the best in the world for the
THROAT and CHEST and
for the VOICE.

—UNEQUALLED.—

R. - & - T. - W.
Stamped on each drop.

FRANKLIN'S ELECTRIC INHALER

THE GREATEST KNOWN CURE FOR
Catarrh, Cold in the Head, Headache,
Toothache, Neuralgia, & all Nervous Pain.



BEWARE OF IMITATIONS.
See that the words
FRANKLIN'S ELECTRIC
INHALER
Patented April 10th,
Is printed on the Label.

It is well recommended by Physicians and others who have used it for Freeing the Head of all Thick Mucus, and Clearing the Nasal Cavities. It is something every Druggist should keep in stock, as it sells well and gives good satisfaction. Retail for 25c.

Manufactured by the

FRANKLIN MEDICAL CO.,
36 King-st. East TORONTO.

Sold Wholesale by Lyman Bros., Toronto, also by Lyman, Knox & Co., Montreal.

SLOCUM'S PSYCHINE,

Oxygenized Emulsion

OF
Pure Cod Liver Oil,

COLTSFOOT EXPECTORANT,

REGULATIVE PILLS,

MAGNETIC MEDICATED PLASTER.

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

Price List and Circulars supplied on application.

T. A. SLOCUM, M. C.,

186 WEST ADELAIDE ST., TORONTO, ONT.

To Druggists :

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

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

Messrs. Langley & Co., wholesale, Victoria, B. C., April 1889, wrote: "Dr. Child's Pile Ointment gives satisfaction wherever used." And again, April, 1890, they say: "We have remarkably good reports from those who have used the Ointment, and always recommend it, believing it to be all you claim for it."

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

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

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

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

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

CLARKE & CO.,

Wholesale and Retail Druggists, KAMLOOPS, BRIT. COL.

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

Famous

Specific

Orange

Blossom



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

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

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

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

For sale by Druggists and Pharmacists everywhere.

DR. J. A. MCGILL & Co.,

Proprietors, Chicago, Ill.

Address all Canadian Correspondence to

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

THE TRADE WILL FIND

J. A. POZZON'S

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



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

Medicated Complexion Powder

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

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

ALL CANADIAN JOBBERS HAVE IT.

BUSINESS NOTICES.

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

Read the advt. of the Franklin Medicine Co., in this number.

Archdale Wilson & Co. direct the attention of the trade to their make of pure spirits of nitre. Samples are in the hands of travellers.

Imperial Cough Drops, manufactured by R. and T. Watson, Toronto, have reached a remarkable sale, and the season is now on when the druggist who is alive to his own interest lays in a stock of these popular confections.

We call attention of our readers to the advertisement of the Knickerbocker Shoulder Braces and Supporters, manufactured by the Knickerbocker Brace Co., of Easton, Pa., U. S. A. This shoulder brace is a departure in this line of goods

a brace and suspender combined no harness, simple, unlike all others, easily adjusted and worn with comfort. They are handsomely made, please the wearer, and give entire satisfaction.

We would call particular attention to the advertisement of Hemming Bros. Co., in their usual space on 2nd page of cover. They address themselves specially to the drug trade, being desirous of placing their druggists' specialties where they should alone be sold. A personal inspection of their large and varied stock of druggists' sundries and fancy goods shows an excellent assortment, good lines, and reasonable prices. The rapid increase of their trade throughout all provinces of the Dominion shows that the trade appreciates first class goods and attractive novelties, and a business conducted on the lines laid down by this firm.

The firm of H. Plunten & Son, New York City, the pioneer American capsule house, has been known to the trade and the medical profession for over half a century, and has acquired a very enviable reputation for the uniformity and reliability of their capsules. The firm manufactures filled, soluble, hard, and soft elastic capsules, and empty capsules for liquids, for oral, rectal, vaginal, veterinary (or l and rectal), and for mechanical uses. The ingredients used in the manufacture and the contents of their filled capsules are of the best, and we can fully recommend them as properly made and in every way reliable.

Johnson & Johnson, in the introduction of their Gelatole Ointments and Emulsions have shown another evidence of their enterprise. These ointments have been warmly endorsed by our leading dermatologists and are likely to take the place of the old system. They are not greasy or sticky and will not run. They can be removed by washing with cold water. If dusted when applied with fine starch or flour it forms a film or protective coating which protects the wound and prevents

soiling of the clothes or linen. They are put up in collapsible tubes, which is another great improvement, making them convenient to dispense and clean and easy to use.

The use of atomizers is constantly increasing and nothing will tend so much to aid this demand as the constant improvement in their construction, which we think will be shown by an examination of the instruments manufactured by Ellis & Goltermann, of 28 College Place, New York City. This firm has met the demand for a good article at a low price in their 110, which is warranted by them to be a perfect atomizer. The Brooklyn Throat Atomizer is constructed in a different way from any other in the market, and is said to be less liable to breakage, and is easily cleaned. Last but by no means least, they call special attention to their Vaseline Atomizer, which it is claimed will spray oils as well as any other atomizer will ordinary liquids. See their full page advt. on page 3 of this issue and note their special offer.

Druggists who believe that it pays to use neat and attractive labels and other printed matter would do well to read the advertisement of Hammond & Jones, druggists' printers, Baltimore, Md., U. S. A., on page 10. Being one of the oldest houses of this character in the United States, their reputation for attractive work is well known, and if you haven't received their latest catalogue, you are missing something worth having and should procure it by all means. For a general line of samples of drug labels, etc., etc., ask for "Catalogue No. 19," for samples and prices of latest designs of physicians' prescriptions, papers, etc., ask for "Catalogue No. 20." Druggists sending for catalogues enclose a business card or a printed label, to insure prompt attention and correct address. We have known the firm in a business way for many years, and do not hesitate to recommend them to our subscribers.

It is with pleasure that we call the attention of the drug trade to the very carefully written business advertisement of the Wells & Richardson Co., in this month's issue of the CANADIAN DRUGGIST. When this firm speak of the package dye business, and of their famed Diamond Dyes, our readers may be assured that they do so, as pioneers and leaders of a business in which they hold first place. The name "Diamond Dyes" is synonymous with perfection; and this firm now so popular in the Dominion, deserve great credit for their efforts and perseverance in this gigantic industry in which the drug trade is so deeply interested. It is safe to assert that the Wells & Richardson Co. have the largest and most complete premises in the world for the preparation of dyes for domestic use; and if we are to judge from past success, we must predict a great future for this firm in an industry that is practically unlimited. At present their goods are sent to all parts of the globe, demonstrating the fact that their goods are of the best.

Kerry, Watson

& Co.,

WHOLESALE - - DRUGGISTS,

351 St. Paul St.,

MONTREAL.

500 Cases Honey Comb

SPONGES

ASSORTED SIZES AND QUALITIES ALL WELL
SELECTED.

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

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

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

Raspberry Citrate of Magnesia.

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

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

WESTERN HOUSE,

The London Drug Co.

LONDON, ONT.



A GREAT Scientific Revelation.

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

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

Cured by the thousands during the past four years.

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

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

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

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

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

We want an exclusive Agent in every town in Canada.

Write for Pamphlets and Prices.

Wm. Radam Microbe Killer Co.,
(LIMITED)

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

Sole Manufacturers for the Dominion.

C. W. EMMAN, General Manager.



For Sale Wholesale by

Toronto :

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

Hamilton :

J. WINER & Co., ARCHDALE WILSON & Co.,
F. F. Dalley & Co., G. O. BRIGGS & SONS.

London :

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

British Columbia :

LANGLEY & COMPANY.

Montreal :

EVANS & SONS, LTD.

THE SUCCESSFUL REMEDY FOR NASAL CATARRH

Must be Non-Irritating

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

ELY'S CREAM BALM.

This safe and pleasant remedy

Has Mastered Catarrh

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

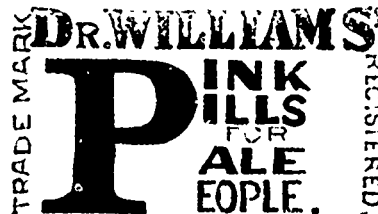
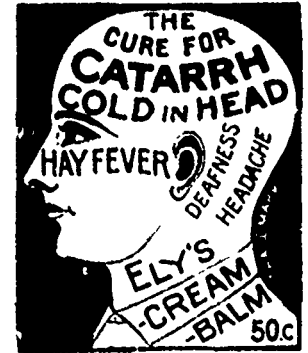
ELY'S CREAM BALM is soothing, excites no dread, dissolves the hardened accumulations, lessens the extreme sensibility of the membrane to cold and all external irritants, and is followed by no reaction whatever.

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

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

ELY BROS.,

56 WARREN STREET, - - - NEW YORK.



MESSRS. FULFORD & CO. take this means of notifying the trade that they are the Wholesale Trade Agents for these justly celebrated pills, and are prepared to supply the trade in any quantity. Arrangements are now being perfected for an extensive line of newspaper advertising for PINK PILLS, and during the past couple of months several hundred thousand neat pamphlets, with testimonials, etc., have been circulated throughout the country, and there is sure to be a large and increasing demand for these Pills. All dealers are advised to lay in a supply at once, that they may be in a position to meet the demand. Profits large; sales certain. Order your supply now.

PINK PILLS

Have no equal as a Blood Builder, for men and women. They cure Anaemia, all forms of Debility, Suppressions of the Monthly Periods, Female Weaknesses, Palpitation, Shortness of Breath, Cold Hands and Feet, Nervous Headache, Chronic Constipation, Premature Decay, Loss of Powers, Loss of Memory, Involuntary Losses, etc. Address all orders,

The Dr. Williams Medicine Co.,

BROCKVILLE, ONT.

FULFORD & CO.,
Wholesale Trade Agents.

S. LACHANCE,

1538 AND 1540 ST. CATHERINE STREET

MONTREAL,

Proprietor of the following Specialties

Father Mathew Remedy,

Dr. Sey's Remedy,

Persian Lotion,

Indigenous Bitters,

Audette's Hair Promotor.

BARKWELL'S

CORN - CURE.

THE BEST SELLING

- BEST ADVERTISED

And Most Reliable in the Market.

ORDER A SAMPLE DOZEN FROM YOUR JOBBER.

W. S. BARKWELL, LONDON, ONT.

Drug Report.

Business during the month has been good. There have been no important changes.

Silver still maintains its high price.

Gum shellac has again advanced, caused mainly by the high rate of exchange on India. Mercury, stiff; a new mine has been discovered in Austria. Oils Bergamot, lemon and peppermint are higher, and still higher prices are predicted.

Quinine, higher prices probable.

Ipecac continues to advance.

Jalap is very scarce, high price probable. Soda bicarb is higher.

Opium firmer.

Higher in price - Citric acid, nitrate of silver, balsam Peru, shellac, arnica flowers, menthol, oils lemon, bergamot and peppermint, quinine, galangal, ipecac and jalap roots, spermaceti, and mercurials.

This is the season to look up stocks of goods liable to damage by frost during transportation. Prominent among these are distilled extract witchhazel, Pond's Extract, bromochloralum, fluid magnesia, Indian blood syrups, injections broun, matico and G., Luby's Hair Restorer, milk magnesia, mineral waters, Pinkham's Compound, Woolford's Sanitary Lotion, Condy's Fluid, etc.

THE ADVANCE IN RUBBER. An exchange says: There are 10,000 fortunes awaiting the man who will penetrate Stanley's new country of the Congo and

bring back the vast rubber supply found therein. It is the greatest rubber country in the world. There is a famine in the rubber market this season, owing to the failure of the South American crop. The cause of the failure can be assigned to no particular circumstance. Heretofore the rubber crop has been uniformly steady, and has produced in sufficient quantity to supply the markets of the world. What makes a failure of this crop particularly calamitous is the fact that a shortage in South American markets cannot be overcome. Aside from the recent discoveries in the Congo country, there is no other source of supply. But the Congo country is entirely inaccessible. Hence, I say, there are ten thousand fortunes awaiting the man who has the capital and the enterprise to make a success of this trade. The shortage in the rubber market will have the effect of increasing prices at least 65 per cent. To-day rubber is worth ninety-eight cents in New York City, exclusive of freights. This is a price that has not been reached in all the years of the trade. The effect will be felt in all lines of rubber goods, from overshoes to rubber gum.

ARTIFICIAL PHENIC ACID.—M. De Laynes presented recently to the Societe Nationale d'Encouragement pour l'Industrie, on behalf of M. Reines, specimens of synthetic phenic acid prepared at Neuville sur Saone at the branch works of the Baden Anilin Company. This acid is

quite colorless; it melts at 41°, boils at 178°, and yields limpid solutions. Its slight odor differs from that of the purest phenols of commerce. On account of its properties and its low price it is likely to supersede ordinary phenol in its applications to medicine, to the preservation of putrescible articles, and in the manufacture of chemical products. — *Scientific American.*

Cocaine and borax form an insoluble borate of cocaine, while boric acid and cocaine do not.



Special price in 1 to 5 gross lots.

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

Rubber Goods of Every Description.

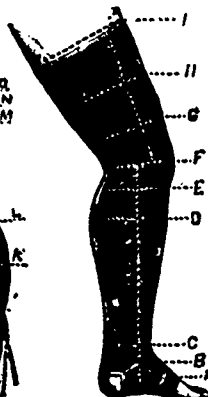
DRUGGISTS' RUBBER - SUNDRIES.

The Largest and Most Complete Stock in the Dominion.

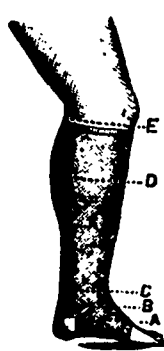
- Air and Water Goods,
- Surgical Cushions (Howard Kelly's),
- Soft and Hard Rubber Urinals,
- Syringes, Atomizers,
- Bandages, Fever Coils,
- Sheetings, Nipples, etc.



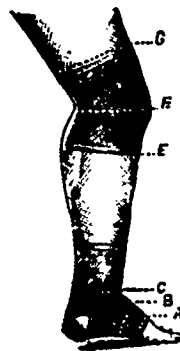
Abdominal Belt.



Thigh Stocking.



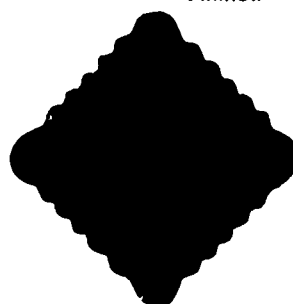
Knee Stocking.



Knee Cap and Ankle.



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



SPREAD OUT.

— THE PERFECT ADJUSTABLE RUBBER BATH MITTEN. —

Elastic Hosiery

A Complete New Stock of all Sizes.

ORDERS FILLED PROMPTLY.

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

Send for Catalogue of 240 pages.

Toronto Rubber Co. of Canada.

P. O. Box 476. Telephones 485 and 3292.

T. McILROY, JR., & CO.,

28 KING ST. W., TORONTO

ARCHDALE WILSON & Co.,

Wholesale Druggists and Manufacturing Chemists

HAMILTON, - ONTARIO.

HAIR BRUSHES (French).

We are just in receipt of the largest invoice we have ever imported. Prices range from \$21.00 to \$2.40 per dozen. These goods are bought from one of the largest French makers at special prices given to no other Canadian firm, and we are still selling them at last year's prices.

TOOTH BRUSHES (French).

As sole agents for one of the largest firms in France, we can sell at specially low prices. Our present stock is large and well assorted.

Our **SPIRITS ÆTHERIS NITROSI**, made fresh every week from Pure Spirits, is unexcelled for Strength and Purity

FRENCH PERFUMERY.

We are agents for the celebrated house of F. MILLOT, 98 Boulevard Sebastopol, Paris, and are just in receipt of a large shipment of his goods.

CHEMICALS.

Large stocks always on hand from Howard, Merck, Dunn, Smith, Schoring, Fletcher, Boehringer, &c.

We manufacture to order Chemicals not usually kept in stock.

ARCHDALE WILSON & CO.

Canadian Druggist Prices Current:

CORRECTED TO OCTOBER 10th, 1890.

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

Alcohol, gal.....	\$3 68	\$3 85	CASTOR, Fibre, lb.....	7 50	8 00	Bleached, lb.....	15	50
Methyl, gal.....	1 94	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.....	5	17	Prepared, lb.....	5	6	Powdered, lb.....	1 10	1 15
ALON, oz.....	41	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	HERB, Althea, 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	Budlock, lb.....	16	18
Copaiba, lb.....	90	1 00	COLLOIDON, lb.....	75	80	Bonaset, ozs, lb.....	15	17
Peru, lb.....	2 50	2 75	Cathartical, lb.....	2 50	2 75	Catnip, ozs, lb.....	17	20
Tolu, can or less, lb.....	65	75	CONFECTIO, Senna, lb.....	25	30	Chiretta, lb.....	25	30
BARK, Barberrry, lb.....	22	25	Creosote, Wood, lb.....	2 00	2 50	Coltsfoot, lb.....	20	38
Bayberry, lb.....	15	18	CUTLEFISH BONE, lb.....	35	40	Feverfew, ozs, lb.....	53	55
Buckthorn, lb.....	15	17	DENTINE, lb.....	10	12	Grindelia robusta, lb.....	45	50
Canella, lb.....	15	17	DOVER'S POWDER, lb.....	1 50	1 60	Hearbround, ozs, lb.....	17	20
Cascara Sagrada.....	30	35	EGG-SHELL, lb.....	75	80	Jaborandi, lb.....	45	50
Casearilla, select, lb.....	18	20	Powdered, lb.....	90	1 00	Lemon Balm, lb.....	38	40
Cassia, in mats, lb.....	18	20	EMGOTIS, Keith's, oz.....	2 00	2 10	Liverwort, German, lb.....	40	45
Cinchona, red, lb.....	60	65	EXTRACT, Logwood, bulk, lb....	13	14	Lobelia, ozs, lb.....	15	20
Powdered, lb.....	65	70	Pounds, lb.....	14	17	Motherwort, ozs, lb.....	20	22
Yellow, lb.....	35	40	FLOWERS, Arnica, lb.....	15	20	Mullein, German, lb.....	17	20
Pale, lb.....	40	45	Calendula, lb.....	55	60	Pennyroyal, ozs, lb.....	17	20
Elm, selected, lb.....	16	18	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.....	20	22	Sage, Ozs, lb.....	15	18
Hemlock, crushed, lb.....	18	20	Lavender, lb.....	12	15	Spearmint, lb.....	21	25
Oak, white, crushed, lb.....	15	17	Rose, red, French, lb.....	1 60	2 00	Thyme, ozs, lb.....	18	20
Orange peel, bitter, lb.....	15	16	Rosemary, lb.....	25	30	Tansy, ozs, lb.....	15	18
Prickly ash, lb.....	35	40	Saffron, American, lb.....	35	40	Wormwood, oz.....	20	22
Sassafras, lb.....	13	15	Spanish, Vala, oz.....	1 25	1 50	Yerba Santa, lb.....	38	44
Soap (quillaya), lb.....	15	18	GELATINE, Cooper's lb.....	1 00	1 95	HONEY, lb.....	15	20
Wild cherry, lb.....	13	15	French, white, lb.....	40	50	HORS, fresh, lb.....	20	25
BEANS, Calabar, lb.....	45	50	GLYCERINE, lb.....	20	25	INDIGO, Madras, lb.....	75	80
Tonka, lb.....	1 25	2 75	GFARANA, lb.....	3 00	3 25	INSECT POWDER, lb.....	40	45
Vanilla, lb.....	6 00	9 00	Powdered, lb.....	3 25	3 50	ISINGLASS, Brazil, lb.....	2 00	2 10
BERRIES, Cubeb, sifted, lb.....	2 50	2 60	GUM ALOES, Cape, lb.....	18	20	Russian, true, lb.....	6 00	6 50
powdered, lb.....	2 60	2 70	Barbadoes, lb.....	30	50	LEAF, Aconite, lb.....	25	30
Juniper, lb.....	10	12	Socotrine, lb.....	65	70	Bay, lb.....	18	20
Ground, lb.....	12	14	Assafetida, lb.....	23	25	Belladonna, lb.....	25	30
Prickly ash, lb.....	40	45	Arabic, 1st, lb.....	1 00	1 10	Buchu, long, lb.....	40	45
BUDS, Balm of Gilead, lb.....	55	60	Powdered, lb.....	1 10	1 20	Short, lb.....	15	18
Cassia, lb.....	25	30	Sifted sorts, lb.....	75	80	Coca, lb.....	55	60
BUTTER, Cacao, lb.....	75	80	Sorts, lb.....	60	75	Digitalis, lb.....	25	30
CAMPHOR, lb.....	65	85	Benzoin, lb.....	50	1 00	Eucalyptus, lb.....	18	20
CANTHARIDES, Russian, lb.....	2 60	2 10	Catechu, Black, lb.....	9	20	Hyoscyamus, lb.....	25	30
Powdered, lb.....	2 10	2 20	Gamboge, powdered, lb.....	1 30	1 35	Matico, lb.....	70	75
CAPSICUM, lb.....	25	30	Guaiaic, lb.....	80	1 20	Senna, Alexandria, lb.....	25	30
Powdered, lb.....	30	35	Powdered, lb.....	90	1 20	Tinnevely, lb.....	15	25
CARBON, Bisulphide, lb.....	16	18	Kino, true, lb.....	45	45	Stramonium, lb.....	20	25
CARMINE, No. 40, oz.....	40	50	Myrrh, lb.....	45	48	Uva Ursi, lb.....	15	18
			Powdered, lb.....	55	60	LEECHES, Swedish, doz.....	1 00	1 10
			Opium, lb.....	4 50	4 75	LICORICE, Solazzi.....	45	50
			Powdered, lb.....	6 00	7 00	Pignatelli.....	33	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	Unicorn, lb.	38	40	Subnitrate, lb.	2	40	2	60		
" Purity, 200 sticks in box	1	50	Valerian, English, lb. true.	20	25	BOUAX, lb.	10	11				
" Acme Pellets, 5 lb. tins	1	75	Virginia Snake, lb.	40	45	Powdered, lb.	12	13				
" Lozenges, 5 lb. tins.	1	50	Yellow Dock, lb.	15	18	BROMINE, oz.	8	10				
" Tar, Licorice & Tolu, 5 lb. tins.	2	00	RYN, Bay, gal.	2	00	CADMIUM, Bromide, oz.	20	25				
LUPULIN, oz.	30	35	Essence, lb.	3	00	Iodide, oz.	45	50				
LYCOPodium, lb.	70	80	SACCHARIN, oz.	1	90	CALCIUM, Hypophosphite, lb.	1	50	1	60		
MACE, lb.	1	00	SKED, Anise, Italian, sifted, lb.	13	15	Iodide, oz.	95	1	00			
MANNA, lb.	1	60	Star, lb.	35	40	Phosphate, precip., lb.	35	38				
Moss, Iceland, lb.	9	10	Burdock, lb.	30	35	Sulphide, oz.	6	6				
Irish, lb.	9	10	Canary, bag or less, lb.	4	5	CERIUM, Oxalate, oz.	10	12				
MUSK, Tonquin, oz.	40	00	Caraway, lb.	10	13	CHINOSINE, oz.	15	18				
NUTGALLS, lb.	21	25	Cardamom, lb.	1	25	CHLORAL, Hydrate, lb.	1	25	1	50		
Powdered, lb.	25	30	Celery	20	25	Croton, oz.	75	80				
NUTMEGS, lb.	1	00	Colechicum	1	25	CHLOROPFORM, lb.	50	1	75			
NUX VOMICA, lb.	10	12	Coriander, lb.	10	12	CISCHOSINE, sulphate, oz.	25	30				
Powdered, lb.	22	25	Cumin, lb.	15	20	CISCHOSIDINE, Sulph., oz.	16	20				
OAKUM, lb.	12	15	Fennel, lb.	15	17	COCAINE, Mur., oz.	0	00	7	00		
OLESTMENT, Mere., lb. ½ and ¼	70	75	Fenugreek, powdered, lb.	7	9	COPPER, Sulph. (Blue Vitrol) lb.	7	8				
Citric, lb.	45	50	Flax, cleaned, lb.	3	4	Iodide, oz.	65	70				
PARALDEHYDE, oz.	18	20	Ground, lb.	4	5	COPPERAS, lb.	1	3				
PEPPER, black, lb.	22	25	Hemp, lb.	5	6	ETHER, Acetic, lb.	75	80				
Powdered, lb.	25	30	Mustard, white, lb.	9	12	Sulphuric, lb.	35	40				
PEACH, black, lb.	3	4	Powdered, lb.	15	20	EXALATINE, oz.	1	00	1	10		
Bergundy, true, lb.	10	12	Pumpkin	25	30	HYOSCYAMINE, Sulp., crystals, gr.	25	30				
PLASTER, Calcined, lbi.	2	50	Quince, lb.	40	50	IODINE, Resublimed, lb.	5	00	5	50		
Adhesive, yd.	12	13	Rape, lb.	8	9	IODOPFORM, lb.	6	00	7	00		
Belladonna, lb.	65	70	Strophanthus, oz.	50	55	IODOL, oz.	1	30	1	40		
Gallbanum Comp., lb.	80	85	Worm, lb.	22	25	Iron, by Hydrogen	1	00	1	10		
Lead, lb.	25	30	SEIDLITZ MIXTURE, lb.	25	30	Carbonate, Precip., lb.	15	16				
POPPY HEADS, per 100	85	90	SOAP, Castile, Mottled, pure, lb.	10	12	Sacch., lb.	35	40				
ROBIN, Common, lb.	2	3	White, Cont's, lb.	10	17	Chloride, lb.	45	55				
White, lb.	3	4	Powdered, lb.	25	35	Sol., lb.	13	16				
ROSEBAY, White, oz.	25	30	Green (Sapo Viridis), lb.	12	25	Citrate, U. S. P., lb.	90	1	00			
ROCHELLE SALT, lb.	30	32	SPERMACE, lb.	55	60	And Ammon., lb.	75	80				
ROOT, Aconite, lb.	22	25	TURPENTINE, Chian, oz.	75	80	And Quinine, lb.	1	50	3	00		
Althea, cut, lb.	30	35	Venice, lb.	10	12	Quin. and Stry., oz.	35	40				
Belladonna, lb.	25	30	WAX, White, lb.	50	75	And Strychnine, oz.	13	15				
Blood, lb.	10	15	Yellow	40	45	Dialyzed, Solution, lb.	50	55				
Bitter, lb.	27	30	WOOL, Guaine, rasped.	5	6	Ferrocyanide, lb.	55	60				
Blackberry, lb.	15	18	Quassia chips, lb.	10	12	Hypophosphites, oz.	20	25				
Burdock, crushed, lb.	18	20	Red Saunders, ground, lb.	5	6	Iodide, oz.	40	45				
Calamus, sliced, white, lb.	20	25	Santal, ground, lb.	5	6	Syrup, lb.	45	50				
Canada Snake, lb.	30	35	CHEMICALS.									
Cohosh, Black, lb.	15	20	ACID, Acetic, lb.	10	12	Lactate, oz.	5	6				
Colchicum, lb.	40	45	Glacial, lb.	45	50	Pernitrate, solution, lb.	15	16				
Columbo, lb.	20	22	Benzoic, English, oz.	20	25	Phosphate scales, lb.	75	80				
Powdered, lb.	25	30	German, oz.	10	12	Sulphate, pure, lb.	7	9				
Col. root, lb.	38	40	Boracic, lb.	20	25	Excised, lb.	8	10				
Comfrey, crushed, lb.	20	25	Carbolic Crystals, lb.	40	45	And Potass. Tartrate, lb.	80	85				
Curcuma, powdered, lb.	13	14	Calvert's No. 1, lb.	2	10	And Ammon. Tartrate, lb.	85	90				
Dandelion, lb.	15	18	No. 2, lb.	1	35	LEAD, Acetate, white, lb.	13	15				
Elecampane, lb.	15	10	Citric, lb.	60	65	Carbonate, lb.	7	8				
Galangal, lb.	15	18	Gallic, oz.	10	12	Iodide, oz.	35	40				
Gelsemium, lb.	22	25	Hydrobromic, diluted, lb.	30	35	Red, lb.	7	9				
Geutian, lb.	9	10	Hydrocyanic, diluted, oz. bot.	1	50	LIME, Chlorinated, bulk, lb.	3	4				
Ground, lb.	10	12	thes doz	1	50	One lb.	6	7				
Powdered, lb.	13	15	Lactic, concentrated, oz.	22	25	LITHIUM, Bromide, oz.	40	45				
Ginger, African, lb.	11	12	Muriatic, lb.	3	5	Carbonate, oz.	30	35				
Po., lb.	13	15	Chem, pure, lb.	18	20	Citrate, oz.	25	30				
Jamaica, blehd., lb.	22	25	Nitric, lb.	10	13	Iodide, oz.	50	55				
Po., lb.	28	30	Chem, pure, lb.	25	30	Salicylate, oz.	35	40				
Ginseng, lb.	4	10	Oleic, purified, lb.	75	80	MAGNESIUM, Calc., lb.	55	60				
Golden Seal, lb.	90	1	Oxalic, lb.	12	13	Carbonate, lb.	18	20				
Gold Thread, lb.	60	65	Phosphoric, glacial, lb.	1	00	Citrate, gran., lb.	40	45				
Hellebor, White, powd., lb.	12	15	Dilute, lb.	13	17	Sulph. (Epsom salt), lb.	1	3				
Indian Hemp	18	30	Pyrogallic, oz.	40	50	MANGANESE, Black Oxide, lb.	5	7				
Ipecac, lb.	2	90	Salicylic, white, lb.	2	00	MENTHOL, oz.	25	30				
Powdered, lb.	3	20	Sulphuric, carbony, lb.	2	1	MERCURY, lb.	90	95				
Jalap, lb.	50	55	Bottles, lb.	5	6	Ammon (White Precip.),	1	50	1	00		
Powdered, lb.	55	60	Chem, pure, lb.	18	20	Chloride, Corrosive, lb.	1	20	1	25		
Kava Kava, lb.	40	90	Tannic, lb.	1	10	Calomel, lb.	1	50	1	60		
Licorice, lb.	12	15	Tartaric, powdered, lb.	45	50	With Chalk, lb.	65	70				
Powdered, lb.	13	15	ACETANILID, oz.	10	12	Iodide, Proto, oz.	35	40				
Mandrake, lb.	13	18	ACONITINE, grain	4	5	Bin., oz.	30	35				
Masterwort, lb.	16	40	ALUM, cryst., lb.	1	3	Oxide, Red, lb.	1	50	1	00		
Orris, Florentine, lb.	15	20	Powdered, lb.	3	4	Pill (Blue Mass), lb.	70	75				
Powdered, lb.	20	22	AMMONIA, Liquor, lb.	12	15	MILK SUGAR, powdered, lb.	50	55				
Parcira Brava, true, lb.	40	45	AMMONIUM, Bromide, lb.	65	75	MORRHINE, Acetate, ½ oz., oz.	2	00	2	10		
Pink, lb.	75	80	Carbonate, lb.	12	13	Muriate ½ oz., oz.	1	90	2	00		
Parsley, lb.	30	35	Iodide, oz.	35	40	Sulphate, ½ oz., oz.	1	90	2	00		
Pleurisy, lb.	20	25	Nitrate, crystals, lb.	40	45	PERSIN, Saccharated, oz.	35	40				
Poke, lb.	15	18	Muriate, lb.	12	16	PHLOCCARPINE, Muriate, grain	5	6				
Queen of the Meadow, lb.	18	20	Valerianate, oz.	55	60	PIPERISIN, oz.	1	00	1	10		
Rhatany, lb.	20	30	AMYL, Nitrite, oz.	16	18	PHOSPHORUS, lb.	90	1	10			
Rhubarb, lb.	75	2	ANTHRACIS, oz.	1	00	POTASSA, Caustic, white, lb.	55	60				
Sarsaparilla, Hond, lb.	40	45	ARSENIC, Donovan's sol., lb.	25	30	POTASSIUM, Acetate, lb.	35	40				
Cut, lb.	50	55	Fowler's, sol., lb.	13	15	Bicarbonate, lb.	15	17				
Senega, lb.	55	65	Iodide, oz.	35	40	Bichromate, lb.	12	13				
Squill, lb.	13	15	White, lb.	6	7	Bisat (Cream Tart.), lb.	28	30				
Stillingia, lb.	22	25	ATROPINE, Sulp., in ½ oz., oz.	7	00	Bromide, lb.	45	50				
Powdered, lb.	25	27	BISMUTH, Ammonia-ate, oz.	40	45	Carbonate, lb.	11	16				
			Subcarbonate, lb.	2	75	Chlorate, Eng., lb.	18	20				
						Powdered, lb.	23	25				

Citrate, lb.	75	90	Zinc, Acetate, lb.	70	75	Lemongrass, lb.	1 50	1 60	
Cyanide, fused, lb.	40	55	Carbonate, lb.	25	30	Mustard, Essential, oz.	4 00	4 50	
Hypophosphites, oz.	10	12	Chloride, granular, oz.	13	15	Nicoti, oz.	3 75	5 00	
Iodide, lb.	3 75	4 00	Iodide, oz.	60	65	Orange, lb.	3 25	3 50	
Nitrate, gran., lb.	8	10	Oxide, lb.	13	60	Sweet, lb.	3 25	3 50	
Pernanganate, lb.	65	70	Sulphate, lb.	9	11	Origannm, lb.	65	70	
Prussiate, Red, lb.	50	55	Valerianate, oz.	25	30	Patchouli, oz.	1 75	1 80	
Yellow, lb.	32	35	ESSENTIAL OILS.						
And Sod, Tartrate, lb.	30	35	Oil, Almond, bitter, oz.	75	80	Pimento, lb.	2 60	2 75	
Sulphuret, lb.	25	30	Sweet, lb.	50	60	Rhodium, oz.	80	85	
PROPYLAMINE, oz.	35	40	Amber, crude, lb.	40	45	Rose, oz.	6 00	9 00	
QUININE, Sulph., bulk.	35	40	Rec't, lb.	65	70	Rosemary, lb.	70	75	
Oz., oz.	40	45	Anise, lb.	2 75	3 00	Rue, oz.	25	30	
QUINIDINE, Sulphate, ozs., oz.	16	20	Bay, oz.	50	60	Sandalwood, lb.	5 50	9 00	
SALICIN, oz.	22	25	Bergamot, lb.	4 50	4 75	Sassafras, lb.	65	70	
SANTONIN, oz.	20	22	Cade, lb.	50	55	Savin, lb.	1 60	1 75	
SILVER, Nitrate, cryst., oz.	1 00	1 10	Cajuput, lb.	1 80	1 90	Spearmint, lb.	6 00	6 25	
Fused, oz.	1 10	1 20	Capicum, oz.	60	65	Spruce, lb.	65	70	
SODIUM, Acetate, lb.	30	35	Cataway, lb.	3 50	3 75	Tansy, lb.	4 25	4 50	
Bicarbonate, kgs., lb.	2 50	2 75	Cassia, lb.	1 50	1 60	Thyme, white, lb.	1 80	1 90	
Bromide, lb.	63	65	Cinnamon, Ceylon, oz.	1 50	1 60	Wintergreen, lb.	3 00	3 50	
Carbonate, lb.	3	6	Citronelle, lb.	70	75	Wormseed, lb.	3 50	3 75	
Hypophosphite, oz.	10	12	Clove, lb.	2 25	2 40	Wormwood, lb.	6 50	6 75	
Hyposulphite, lb.	3	6	Copaiba, lb.	1 60	1 75	FIXED OILS.			
Iodide, oz.	40	45	Croton, lb.	1 50	1 75	Castor, lb.	13	15	
Salicylate, oz.	15	17	Cubeb, lb.	20 00	22 00	Cod LIVER, N. F., gal.	1 00	1 50	
Sulphate, lb.	2	3	Cumin, lb.	5 50	6 00	Norwegian, gal.	1 25	1 50	
Sulphite, lb.	10	12	Erigeron, oz.	20	25	Corrosion, gal.	1 10	1 20	
SPRIT NITRE, lb.	30	35	Eucalyptus, lb.	2 00	2 10	LARD, gal.	90	1 00	
STROSTIUM, Nitrate, lb.	18	20	Fennel, lb.	1 60	1 75	LINSEED, boiled, gal.	75	78	
STRYCHNINE, crystals, oz.	1 10	1 20	Geranium, oz.	1 75	1 80	Raw, gal.	73	75	
SULFONAL, oz.	60	70	Rose, lb.	3 20	3 50	NEATFOOT, gal.	1 25	1 30	
SULPHUR, Flowers of, lb.	3	4	Juniper berries (English), lb.	4 50	5 00	OLIVE, gal.	1 35	1 40	
Pure precipitated, lb.	13	20	Wood, lb.	70	75	Sabad, gal.	2 25	2 40	
TARTAR EMETIC, lb.	50	55	Lavender, Chris. Fleur, lb.	3 00	3 50	PALM, lb.	12	13	
THYMOL, (Thymic acid), oz.	60	65	Garden, lb.	1 50	1 75	SPERM, gal.	1 50	1 75	
VERATRINE, oz.	2 00	2 10	Lemon, lb.	2 00	2 25	TERPENTINE, gal.	70	75	

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To the Drug Trade

We take pleasure to announce that this season's assortment of *Daime's* Perfumery Novelties for the Holiday Trade, filled with *Chloechlor's* incomparable Perfumes, surpasses any heretofore shown.

They embrace unique Hungarian, Dresden, Chloechlor's, Vienna and Paris Saps, Taces, Flacons, elegant Cut Crystal Bottles, designed by *Mrs. CHLOECHLOR*, and enclosed beautifully but not extravagantly—made to meet the wants of the medium and fine trade.

It may be interesting to state here, as indicating the estimation in which *Chloechlor's* Perfumery is held in New York city, where foreign goods have so long held sway, that the goods now lead in the most critical retail drug stores, and a single Broadway firm (with two stores) have bought \$4,000 worth for their year's supply.

A full line of samples of these goods is now in the hands of our Representatives, one of whom will have the pleasure to call upon you in a short time, and we trust you will receive orders for your Christmas Perfumes till you have seen the samples, or mail us an order for a stated amount, mentioning prices goods are desired at, and we are sure the selection you receive will meet with your approval.

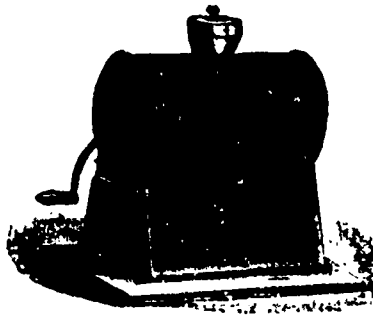
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