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CANADIAN DRUGGIST.

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

VOL. 2.

STRATHROY, JUNE, 1890.

No. 6.

CANADIAN DRUGGIST,

STRATHROY, ONT.

WILLIAM J. DYAS, - Editor and Publisher.

SUBSCRIPTION, \$1 PER YEAR, IN ADVANCE.

Advertising Rates on Application.

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

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

CANADIAN DRUGGIST,

STRATHROY, ONTARIO.

Druggists' Profits.

The druggists of Toronto are very justly incensed at the unwarrantable attack made upon them by the *Evening Telegram*, which under the guise of acting in the public interest, sought to show that the druggists' patrons paid for the use of technical names irrespective of the value of the material furnished under them. As the public in general are most willing to believe what they know least about, the paper was enabled to make out, in their estimation, a fair and reasonable case. It goes without saying, however, that no changes in city prices, which are based upon fair and universal grounds, will result from the attack made, in which the *Telegram* is copying the example set by a reporter of the *New York World* in one of those periodical attacks which seem to afflict some portions of the daily press, but in which they are peculiarly unhappy in the selection of their subject and display their ignorance in the treatment of it. Writers on subjects of this kind are apt to go so far astray that their calculations are frequently made on a very erroneous basis. As we have stated in these columns before, the cost of an article cannot be based merely on the invoice price at which the goods are purchased from the jobber, as once the goods are placed in the store an additional percentage must be added for rent, insurance, salaries and other incidental expenses connected with the sale of these goods, as well as depreciation in values, loss in handling, etc. Then added to this the skill which must be employed in the sale and dispensing of medicines. Does the public give fair consideration to the fact that they are protected in these matters by strictly enforced laws, in

which the druggist is amenable for any transgression of them, and do they consider that the druggist serves faithfully his four years of constant study and passes his severe examination for what? In order to reap riches, to lay by wealth and live in ease and comfort? If so, very few gain the goal of their ambition. No, rather from a love of their profession and a true protector of the people's interests in a case which may be life or death. Does the physician who merely makes a diagnosis of a case, and writes a prescription, make only the same charge as a man who would occupy the same time in the performance of ordinary manual labor?

It is stated that in the course of the interview by the reporter "a well known doctor informed the *Telegram* that a druggist had to put in just one eighth the study that a doctor had, and to graduate had to attend the College of Pharmacy for only one term, lasting in all three or four months." We have yet to learn at what college the physician puts in his 32 years term, for this would be eight times the length of the student in pharmacy. Possibly this is the college from which the other physician graduated who says he prescribed "aqua calens," a preparation we must confess unknown to the pharmacist of the present generation. And by the way, speaking of prescriptions, on what ground can a physician justify the charge of two dollars for prescribing in a case which he himself declared was unnecessary. But looking at another phase of the subject, we are told that in one case that the store was found closed and the night bell sounded. The proprietor appeared and put up the prescription. Why, if the druggist is looked upon as a mere tradesman, should he be at the beck and call of anyone who might postpone his purchase until so late an hour? Or, why should a druggist be expected to give his skill and knowledge of medicines and the proper preparation of them without proper remuneration? This the public neither expects nor wishes. "The laborer is worthy of his hire," and certainly the more skilled the labor, the more responsible and arduous the duties, the larger and more adequate should be the remuneration.

Professor Sittig, of Strasburg, has, it is said, made the important discovery that pyocetanin, an aniline derivate, is an absolute destroyer of pus in any quantity.

Professional and Practical Pharmacy.

It has long been a debatable point as to whether the practice of pharmacy can properly be termed professional, and while the writer makes no pretensions of being able to solve so knotty a question, he is perfectly willing to give his views upon the matter.

The requisites essential to secure professionalism are, usually, a definite training for a specific purpose, the time and nature of such training being controlled by legislative enactment, the state thus becoming a sponsor for the member upon whom it ultimately confers the professional mantle.

Up to this point we can readily agree that, in a comparative sense, the pharmacist in fulfilling the conditions required of him by the state to enable him to practice, is fairly entitled to the professional appellation conferred upon others fulfilling similar conditions for other purposes. Here, however, the connection ends, as while others commence to practice purely in a professional sense the pharmacist embraces trade with his professional work; the trade portion comprising the dealing in articles free to the sale of any tradesman, while the professional portion must remain under his sole control, or those qualified in a similar manner, as members of the medical profession. The fact that the pharmacist is obliged to win sustenance very largely by ordinary means of trade and in competition to a great extent with those considered on a somewhat lower scale in life's work, very materially affects the professional aspirations, which might otherwise be entertained. It is true in this, however, as in other professions, that we are what we make ourselves. The reputation of the body is the combined reputation of its members. If our inclinations are acquisitive we naturally pursue a course having that end in view, and as the professional part of our work offers but few allurements to the lover of the "evil root," the practical trade portion is attended to in such a manner as to speedily secure for us the reputation of shrewd and capable business men. Those who on the other hand devote their lives and energies to professional attainment are obliged to satisfy themselves with honorable distinction as the only trophy obtainable, and with the thought that however little they may personally have benefitted, they have

worthily used their best efforts in benefiting their fellows and in adding lustre and dignity to their calling. All honor to those who honor themselves and in doing so honor their fellows.

It is gratifying to realize that in our own province, Ontario, our Council representatives are fully alive to the possibilities of elevating the status of what in times past and almost to the present has been looked upon as merely a respectable trade. Their energetic and persistent action in endeavoring to secure advantageous legislation, and in raising the standard of attainment for graduation, is worthy of the hearty commendation of every well wisher of Canadian pharmacy. To them we look for advancement. To us they look for encouragement; while both working unitedly in our common interests, (good leaders and energetic backers) should and can win a position of honor for the profession and practice of pharmacy. LITERA.

The W. S. Pharmacopœia Convention.

The delegates to this convention met at Washington, D. C., May 7. Twenty-six states of the Union were represented by 190 delegates, consisting of representatives from state pharmaceutical associations, colleges and schools of pharmacy, medical societies and colleges, and physicians from the army and navy.

The report of the Committee of Revision was presented by the Secretary, Prof. P. W. Bedford. The principal items under discussion were the standardizing of drugs and preparations, the question of introducing the tables of doses as is practised in the British Pharmacopœia and the change of the present system of weights and measures. This latter was settled by the adoption of the metric system, a proceeding which will no doubt meet with a good deal of opposition in pharmaceutical circles. The question of the insertion of doses was negatived, and thus one of the, to the pharmacist, most desirable proposed additions to the present pharmacopœia was allowed to drop. A committee of twenty-five with Mr. Charles Rice, Ph. D., of New York, as Chairman, was selected as "the Committee of Revision and Publication." The next convention is announced to be held in 1900.

The Ethics of Frugality.

AS APPLIED TO BUSINESS.

A man is most commonly spoken of as frugal who is careful and prudent in his domestic affairs. But that the quality can be equally as well applied to the sterner affairs of life is obvious. Burke says: "Frugality is founded upon the principle that all riches have limits"; and Dryden defines it as: "A sparing and cautious use or appropriation of anything." There is, then, no inconsistency in considering this virtue in its relations

to and effects upon business. We will look at the subject as regards frugality in the use of time, money and personal force. Most men learn quite early in life that their time is not their own; that it must be used to advantage to afford even a moderate amount of the necessities of life, and that he who uses his moments most economically, is usually the most successful. But a man may devote ten or twelve hours a day to his business, and still be absolutely prodigal of his time. It is not enough to take down your shutters at sunrise to put them up again at evening, to mechanically supply the wants of customers, and when trade slackens, to gossip with loungers. "Do with all thy might what thy hands find to do" means to be on the alert for every advantage that may arise; to study and watch the markets; to see that your stock is kept up; that your store and surroundings are attractive to customers; that your accounts are being properly looked after; that you are able to meet demands when due; that your business is being conducted economically; that your clerks are attentive and courteous; that you are being just to yourself and them; finally devoting every moment of the time given to business for the improvement of that business and your own condition. That it seems to us, is frugality in time. Money is a most important factor in business. Many have a most mistaken idea as to frugality in money matters. To most, it means simply saving all one can and putting it aside for a rainy day. The miser is frugal in a sense, but not truly so. Frugality in money matters, as in everything else, is the economical use of money, that is obtaining the greatest benefit from its use while guarding against loss or waste. The business man is therefore frugal in money matters who can use it to the best advantage. He sees that refitting and restocking his store will give large returns, that judicious advertising is necessary; that discounting his own bills pays; in short, that he can use his capital over and over again in his business to better advantage than by investing it in any other way. The last consideration personal force, calls for the greatest economy, that is, use without waste. Misdirected energy is worse than torpor.

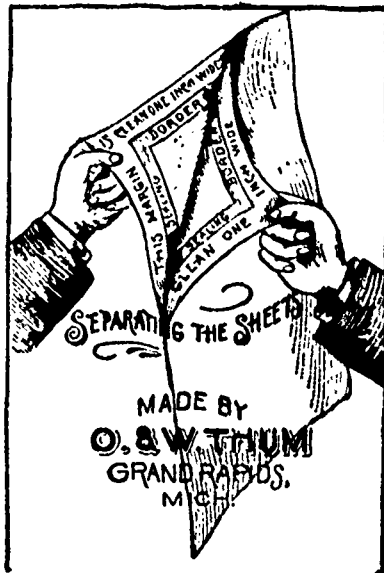
It does injury where the second is at least harmless. One must have characteristic force, but must also know how to use it that the results be valuable. He can make a great display of activity and accomplish nothing; or he can infuse such courage and energy into his working force that the labor is best done with the least friction. He must be a leader, must be able to do all he asks of others; must encourage and not dishearten; must persuade and not threaten, in fact must have the attributes of a truly courageous man actuated by the right motives. Such a man leaves his stamp upon everything he undertakes, and success follows in his footsteps. The greatest victories have been won where the commander, certain

of his reserved force, held it in check until the decisive moment, and then hurled it, like a thunderbolt from the skies, at his enemy, and annihilated him. So the active business man watches affairs certain that in an emergency he has the reserve force requisite to meet it.—N. E. Druggist.

A New Process in Glass Bottle Blowing.

The Manchester Glass Bottle Company have introduced a new process for the manufacture of bottles which, it is claimed, not only dispenses with the bottle finisher, but enables 25 per cent. more work to be done with the reduced gang, and at the same time renders breakages less frequent owing to dispensing with the handling occasioned by a boy passing the bottles from the blowers to the finishers. The mould or stamp of the old process is taken pretty much as it stands, and to it is fitted a collar with a knife cutting-edge at the extreme top. The service performed by the collar in conjunction with a corresponding plug with a similar knife cutting-edge immediately above it is to execute the work formerly done by the finisher. The operation is performed by pedal pressure with the utmost accuracy and neatness, and the bottle is then ready for what is called in the new process glazing, and which imparts a higher finish to the lips of the bottle than was possible under the old system. The apparatus includes a sort of invertible iron box or cage, which holds the bottle mouth downwards over a Bunsen burner while a smooth gloss is being given to that part. The manual work entailed is performed by a boy. One great difficulty the enterprising inventor has had to encounter was to simplify the parts of the machine, so that on changing at a few minutes' notice from making one class of bottle to another, the bottle blower may adjust the machine by the screwing and unscrewing of two or three nuts. In this he seems to have arrived at a point of perfection. Owing to the cheapness of continental labor, the bottle making firms on the continent have had pretty much of a monopoly all over the world, the United Kingdom included, in certain of the smaller kinds of bottles used for patent medicines and the like. The Manchester Glass Bottle Company assert that when once they have got thoroughly to work this will be the case no longer, as they will be able to turn out their wares at a price which the continental makers will not be able to touch.—Brit. and Co. Druggist.

Sulzer Brothers, the Madison, Wis., dealers in medicinal roots, herbs, etc., closed a contract with a New York firm, March 26, to furnish 50,000 pounds of slippery elm bark to be shipped to a German chemist. It is thought to be the largest deal in the one article ever made in this country.



This cut represents Tanglefoot being opened, and shows the **SEALING BORDER**, a rim of

WAX

applied between the leaves of each double sheet at the edges of the sticky material, and one inch within the edges of the paper, securing a

UNIFORM AND ABSOLUTELY CLEAN MARGIN

to take hold of when opening the sheets. The sticky material is thus enclosed as if in a sealed **BOTTLE**, and it cannot run out, or dry up at the edges.

The advantages of having each sheet separately sealed with an

AIR TIGHT

seal, must be well known to all who ever handled Sticky Fly Paper.

Tanglefoot is of the most convenient

SIZE,

the double sheet being in **TWO PARTS** each 9x16 inches.

These halves may be laid together and used as one sheet, or may be used apart in different places. Tanglefoot is the only Sticky Fly Paper that is cut into halves, (this valuable feature is patented.)

BY FAR THE MOST ELEGANT.

WE ASK FOR ONE

TRIAL.

Use one single sheet of Tanglefoot in each **SHOW WINDOW** twice a week, **2 CENTS** a week for each window.

HOUSEKEEPERS Seeing the paper used in your windows, soon learn to rid their houses of flies in the same manner.

TANGLEFOOT IS NOT POISON! Sticky Fly Paper is the cleanest destroyer of flies and the only safe one where there are **CHILDREN.**

O. & W. THUM, - Grand Rapids, Mich., U. S. A.

PRICE FOR CANADA.

One Box, 75 Cents.
One Case (ten boxes) \$6.00.

—SOLD BY—

W. BRUNET & CO.,
QUEBEC, CANADA.

THE BEST FOR CONSUMERS.

Tanglefoot is not only desirable for the dealer, but is also the most satisfactory to the consumer. The border, which is **ABSOLUTELY CLEAN AT ALL TIMES**, makes Tanglefoot the favorite fly paper with all users. It is as good as any in every respect, and superior to all others in **CLEANLINESS**, neatness and stability.

It rarely happens that dealers in Sticky Fly Paper do not have some left to be carried over, when the season closes, especially if they try to supply the late demand. It is therefore of much importance when placing orders for the season, to obtain a fly paper that will not spoil by age, one that will **HOLD THROUGH THE WINTER** and come out **PERFECT THE NEXT SUMMER.**

Wherever Tanglefoot has been sold a year or more the retail dealers have gained

CONFIDENCE

in its keeping quality, and purchase the paper in quantities to last a whole season. Whatever may be left at close of season will keep over winter, and be as good the next summer as if just made, if kept dry and level. Try a box next winter; we want your trade next year if we cannot have it sooner.



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, Bisque Figures, Stationery, etc.

Yours respectfully,

HICKSON, DUNCAN & CO.



B. Laurance & Co.

WHOLESALE OPTICIANS,

251 St. James St. - MONTREAL.

Fine English Goods a Specialty.

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

LIVE MERCHANTS. - DEAD FLIES.

IT KILLS THEM BY THE MILLION.

NEAT, - CLEAN, - ORNAMENTAL.

Does away with disgusting Fly Paper and Plates.

—THE:—

Daisy Fly Killer.

Cheaper than Fly Paper. Will last all season.

SELLS READILY AT 25c.

Sample sent prepaid on receipt of 20c.

SOLE AGENTS FOR CANADA,

J. PALMER & SON

1745 Notre Dame, Montreal.

Thousands of Testimonials equal to the following:

New York Herald, Aug. 19th, 1888.

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

Joy & Gardner, Minneapolis, say:

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

R. BRAYLEY.

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

Same Price as Inferior Dye, 10 cts.

Canada Branch: 451 St. Paul Street, Montreal.

Send postal for Sample Card and Book of Instructions

New Goods

RECEIVED

—BY—

LYMAN BROS. & CO.

TORONTO.

Golden Scale Pepsine,
Merck's Scale Pepsine,
White Tar Camphor, in oz. blocks,

Camphor, Eng., in oz. and ¼ lb. blocks,

Phenacetine,

Exalgine,

Sulfonal,

Salol,

Antifebrine,

Creoline,

Propylamine,

Ichthyol,

Svapnia,

Eikonogen,

Contis' White Castile Soap,

Whale Oil Soap,

English Soft Soap,

English Curd Soap.

Mailing Boxes,

I. R. Gonorrhœa Bags,

Check Gonorrhœa Bags,

Upjohn's Pills,

Vitalized Phosphites,

English Spavin Liniment,

Woolford's Sanitary Lotion,

Wolcott's Pain Paint,

Valentine's Meat Juice,

Floraplexion,

Carl Damschinsky's Hair Dye,

Zoellner's Red Cheek Pills,

Austin's Corn Cure.

We call special attention to Powdered Hellebore & Dalmatian Insect Powder, from closed flowers ONLY.

TRADE NOTES.

Hood's Sarsaparilla is to be put up in Toronto.

Jas. B. Sutherland, River John, N. S., has sold out.

P. L. Lafond, Prince Albert, has sold out to Geo. R. Russell.

T. G. Ryley, formerly of St. Marys, was bought out W. Atkinson, Oshawa.

J. R. Seymour, of St. Catharines, will open his branch drug store, at Grimsby Park, July 1st.

Alfred A. Woodill, Halifax, and Reuben D. Stiles, Pictou, are reported in business difficulties.

C. McCallum & Co., of London, Ont., wholesale druggists, have moved into more commodious premises on Dundas street West.

Mr. J. Taylor has been admitted into the firm of John Taylor & Co., of the Dominion Dye Wood and Chemical Co. and Morse Soap Co. Style of firm unchanged.

In the Common Pleas Divisional Court, May 27th, A. B. Aylesworth applied for an order quashing the conviction against Thomas Flynn, druggist, of Chesterville, Ont., for selling whiskey to a man named O'Grady while intoxicated. The grounds urged were that Flynn, not being a licensed seller, the Ontario Liquor Act did not apply to him. Order made to quash conviction.

We are pleased to welcome back from a two months' stay in the United States the energetic President of the O. C. P., Mr. Clark. Although absent upon business of a personal nature we are credibly informed that Mr. Clark spared no pains to become conversant with the systems of the various institutions of pharmacy with which he could come in contact, and we feel safe in predicting that the experience thus gained will be utilized for the promotion of the best interests of our own college.

The Flavoring Agents of the Pharmacopœia.

Dr. Wm. Murrell, Weymouth street, W., writes to the *British Medical Journal*: As the question of the publication of another addendum to the British Pharmacopœia is occupying the attention of the Pharmaceutical Committee of the Medical Council, it may not be out of place to call attention to the paucity of flavoring agents in our official compilation. It may be that, thanks to the introduction of special preparations of various drugs, the old fashioned mixtures are less commonly presented than formerly, but there seems to be no valid reason why we should not have at our disposal means for making them at all events decently palatable. Patients have learnt by experience that medicines need not of necessity be nasty, and expect to have them prescribed

in a form in which they can be taken without exciting loathing and disgust. If we look over the official list of flavoring agents we find that our choice is extremely limited. There are a few syrups, such as the syrup of orange peel, the syrup of orange flower, the syrup of lemons, and the syrup of tolu; there are one or two infusions, such as the infusion and the compound infusion of orange peel, and that is about all. Spirits of chloroform, it is true, is a useful adjunct to many mixtures, but patients are frightened when they see the word "chloroform" in a prescription, and raise all kinds of absurd objections, necessitating explanations which they neither understand nor appreciate, whilst the synonym "chloric ether" is equally liable to arouse their susceptibilities. The liquid extract of liquorice is useful in covering the salt and pungent taste of chloride of ammonium, but can hardly be said to be a palatable preparation.

If we glance at the foreign pharmacopœias we find that they are much better off in this particular than we are. The French Codex, for example, simply teems with flavoring agents. Looking down the list it is seen that there are considerably over 100 syrups alone; many of these, it is true, are complex—the *sirup d'armoise composé* boasts of no fewer than eighteen constituents—and others contain active ingredients, but the great majority are simple palatable preparations, useful as vehicles for the administration of other drugs. Why should not our pharmacœists give us something on the lines of the *sirup de violettes*, the *sirup des pensées savages*, the *sirup des fleurs de pêches*, or even the *sirup de guimure*!

In the United States elixirs of all kinds are largely prescribed, although as yet only one, the elixir aurantii, has been made official in the United States Pharmacopœia. They are described as aromatic, sweetened, spirituous preparations, containing only small quantities of medicinal substances. In the United States Dispensatory directions are given for the preparation of twenty five simple or compound elixirs, all of which are said to be in constant demand. In Kihn's "Compendium of Modern Pharmacy" the list is much more extensive, no fewer than 302 formulae being given. It appears that what is known as "simple elixir" may be prepared according to eight different formulae, so that the choice is ample. The chief ingredients are fresh orange peel, alcohol, syrup, and water, but oil of cinnamon, coriander seed, star anise, nutmeg, caraway, cassia, canella, and a number of other more or less aromatic bodies, are occasionally employed. The simple elixir is colorless, but to produce various tints small quantities of cochineal, eudbear, or carmine may be added. The elixirs of most drugs are prepared by a very simple process, for example, the elixir of bromide of potassium is made by dissolving the salt in the simple elixir, so that each drachm con-

tains 10 grains. Directions are given for making an elixir of arsenic and quinine, an elixir of pepsin, bismuth, and strychnine, and various others. In addition to the elixirs, Kihn gives directions for making three "flavorings," all of which are useful in disguising the taste of nauseous medicines.

The subject appears to have occupied the attention of the "Unofficial Formulary Committee," appointed by the British Pharmaceutical Conference, formulae being given for the preparation of five elixirs—a simple elixir, an elixir of saccharin, an elixir of caseary sagrada, an elixir of guarana, and an elixir of phosphorous. Good working formulae are also given for the syrup of Virginian prune, one of the best of the flavoring agents, and for syrup of tar. It is to be hoped that some of these preparations—many of which have undergone a long period of probation—will find a place in the British Pharmacopœia. *Brit. and Col. Druggist.*

Toronto Retail Druggists' Association.

One of the most interesting features of the meetings of this association is the "Question drawer," certain questions being prepared and forwarded to each member to be discussed at the regular meetings.

The following questions were discussed at the meeting held on Friday, June 6th, 1890:

Resolved, that it is neither expedient or necessary for the druggists of Toronto to keep their places of business open on Sunday, to the extent that it at present appears to the public.

Should toilet and sundry articles be sold on Sunday by the trade.

Under what circumstances should druggists refuse to accommodate applicants use of telephone, etc.

Huron, Bruce and Grey Pharmaceutical Association.

The Pharmaceutical Association, of Huron, Bruce and Grey, met in Wingham, Ont., on Wednesday, May 21st, 1890. The officers elected were: President, De Witt H. Martyn, M. D., Kincardine; 1st Vice President, J. Wilson, Seaford; 2nd Vice President, R. Wightman, Owen Sound; Treasurer, W. F. Eby, Port Elgin; Secretary, R. S. Muir, Port Elgin. Committees—Messrs. G. M. McKendrick, J. Wilson and H. Parker on chemistry and pharmacy; Messrs. R. S. Muir, C. E. Williams and J. H. Combe on finance, trade and commerce; Messrs. R. Wightman, J. F. McCallum and W. Cameron on grievances.

Measures were also taken to further the work of organization and increase the membership. R. S. Muir, Secretary.

Gum Ghatti, one of the present adhesive substitutes of acacia, though less soluble, is more adhesive, and is being largely used for production of mucilage.

FORMULÆ.

ESSENCE OF PEPsin. T. A. Buckland (*Meyer Bros' Druggist*) prefers the following formula to that contained in the National Formulary :

- Scale pepsin 1 Troy oz.
- Cinnamon water 2 fl. ozs.
- Caraway water 4 fl. ozs.
- Hydrochloric acid 1 fl. dr.
- Elisircalisaya 2 fl. ozs.
- Glycerin 10 fl. ozs.
- Distilled water sufficient to make 4 pints.

MENTHOL OINTMENT. In answer to a query from a correspondent, the *Chemist and Druggist* gives the following :

- Menthol 1 dr.
- Chloroform 1 dr.
- Hard paraffin 2 drs.
- Vaseline 6 drs.

Mix the paraffins and stir until of the thickness of a cream. Then add the menthol dissolved in the chloroform, and continue to stir for five minutes.

ELIXIR ANTIFEBRIS OR ACETANILID.

- Acetanilid 128 grains.
- Alcohol 4 drachms.

Dissolve in test tube by aid of heat from spirit lamp and when dissolved add

- Glycerin 1 drachms.

Mix thoroughly and add

- Water 7 drachms.
- Prepared flavoring 1 drachm.

Strain or filter.—*F. L. Wilson in Finner's Formulary.*

Toxic—A correspondent of the *Med. Brief* says that here is a tonic that has stood the test of seventeen years :

- Sherry wine 1½ ounces.
- Syr. wild cherry 1 ounce.
- Tinct. cinchona comp. 1 ounce.

M. Sig. Teaspoonful every two hours before eating.

LIME JUICE AND GLYCERIN EMULSION.

—Take of

- Oil of sweet almonds 8 ozs.
- Lime Water 4 ozs.
- Glycerin 4 ozs.
- Liquor potasse 1 oz.
- Water 3 fl. ozs.

Mix thoroughly, adding the oil slowly to the lime water, then gradually adding the water previously mixed with the liquor potasse. Perfume with a little oil of lemon or oil of limes.

DEPILATORY POWDER.

- Barium sulphide 2 parts.
- Starch 1 part.
- Oxide of zinc 1 part.

Mix thoroughly and keep in well stopped bottles. When desired for use it is rubbed with sufficient water to form a thick paste. Apply to the parts to be deprived of hair and let it remain for about five minutes.

Heliotrope Perfume proposed by E. Campey (in *Chemiker Dr.*, also *Ch. & Dr.*) consists of —

- Oil of bergamot 1½ ozs.
- Vanillin 8 grs.
- Tincture of benzoin 2 drams.
- Rectified spirits 60 ozs.

Dissolve.

POWDER FOR REMOVAL OF WARTS.

- Salicylic acid 5 parts.
- Boric acid 15 parts.
- Calomel 30 parts.

Mix and make into a fine powder. Put into small glass tubes, with the direction to rub a small portion on the warts thrice daily.

CHEMICAL FOOD FOR PLANTS, &c.

Take of

- Sulphate of ammonia 4 parts.
- Nitrate of potass. 2 "
- Sugar 1 part.

About 10 or 50 grains should be added to 1 gallon of water and applied once or twice a week.

LIQUID FOR DESTRUCTION OF PARASITES ON PLANTS. Take of

- Boric acid 10 parts.
- Salicylic acid 5 "
- S. V. M. or S. V. R 20 "
- Water 200 "

Apply by means of a spray to the parts affected.—*Brit. and Col. Druggist.*

Can Iron be Glued ?

By a new method of cementing iron the parts cemented are so effectually joined as to resist the blows even of a sledgehammer. The cement is composed of equal parts of sulphur and whitelead, with a proportion of about one sixth of borax. When the composition is to be applied it is wet with strong sulphuric acid and a thin layer of it is placed between the two pieces of iron, which are at once pressed together. In five days it will be perfectly dry, all traces of the cement having vanished, and the work having every appearance of welding.

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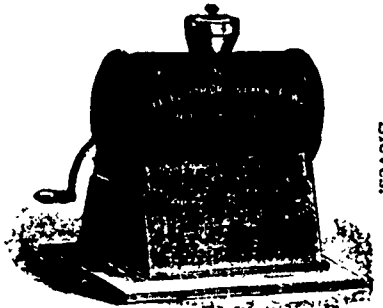
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- LUXTEN'S INSECT POWDER, in tins.
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- INSECT POWDER, our own grinding.

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Have them on hand and be prepared for first calls. Your customers will be pleased. Davis' Fly Felts cannot be surpassed for destroying Flies, Insects, etc., etc., and customers appreciate a good thing.

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Curls, Crimps and Frizzes the Hair, and retains its effects for days.

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"FASCINATOR,"
"PERFECTION,"
"BABY PEARL,"

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

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

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

Please mention this paper when ordering

PAYNE BROS. & MACFARLANE,
GRANBY, QUE.

Pharmaceutical Examinations in Italy.

I read with interest in your enterprising journal an essay written by a colleague resident on the French Riviera, describing his experiences whilst preparing for and undergoing the examination required for the French diploma. Perhaps to some of your many readers an account of the ordeal in Italy may be acceptable.

Hoping to improve my condition in the country of my adoption, I decided to try for the Italian diploma. The first thing necessary is permission to enter for the examinations, which is obtained from the rector of the university at which you decide to present yourself. The foreign applicant must be a qualified chemist in his own country. His diplomas and certificates relating to his previous scholastic education have to be sent in with the application, all of which must be translated by a legal translator.

As on the continent generally, so in Italy, the would-be pharmacist must follow the routine of a given term of years in a "Liceo" and in a "Ginnasio" before he can commence his university courses. The delightful simplicity and liberty enjoyed in England were in my case looked at askance, and moreover, being the first Englishman who had appeared at this centre, my documents (presented free from seals and the many appendages dear to bureaucracy) were not regarded as in order.

The ready help and courtesy shown me by the Pharmaceutical Society enabled me to authenticate my right to the diplomas submitted, after which a special "seduta," or meeting was convened of the professors, who confronted their own studies with those placed before them by me, and the result of the comparison proving satisfactory, I was allowed to present myself for the "final examination" for the diploma.

This comprised practical and theoretical chemistry, organic and inorganic, materia medica, pharmacy, prescription reading, and the preparing of one chemical and one galenical preparation.

Practical chemistry comprised the first day's part of the ordeal. At nine o'clock we (for there were eight besides myself) were at our accustomed places in the laboratory, where ready placed was a packet awaiting us. With closed doors, and under the restless eyes of a learned professor, we settled down to unravel our unknown donation. This day powders were alone given, and consisted of two salts or a salt and an alkaloid. These are typical examples:

{ Acetate of lead.
{ Sulphurated antimony.
{ Boric acid.
{ Quinine.
{ Quinine.
{ Mannite.
{ Lithia.
{ Silica.
{ Black oxide of manganese.
{ Sulphate of soda.

Stray shots, or loose analysis, is out of the question. On the analysis being

finished, a written report is exacted, systematically described properties organoleptic and physical, as colour, smell, taste, crystalline, or amorphous, or both, solubility in water and acids, as the case may be; flame tests and observations with the blow-pipe. Then follows the operation of proceeding through the chart. Neither chart nor books are allowed, but in case of need permission is given to refer, but the permission is not to be abused. This report is enclosed by the student in an envelope, and addressed to the professor of chemistry, and bears outside the number of the packet analysed. The whole took until nearly two o'clock.

The following day we met together before our examiner and his assistant, who had read our reports, and after receiving a few words of congratulation, and hearing a statement as to the number of marks gained, we had the satisfaction of drawing for our preparations. The following are examples:

{ Subnitrate of bismuth.
{ Extract of cinchona.
{ Chloroform.
{ Ointment of mercury.
{ Cherry laurel water.
{ Glacial acetic acid.
{ Calomel.
{ Syrup of cinchona bark.

These were prepared under the supervision of the professor of pharmacy's assistant. The time employed is unlimited, as the oral examination follows about eight days later, and on these preparations the examination essentially lies, the examiners being satisfied if their demands are met with answers showing that the student has grasped his subject.

Let it be well understood that these subjects are dwelt upon, but the field of chemistry is not trodden on severely. It is touched undoubtedly, but an intelligent answer is sufficient index to return to the subject which is being threshed out.

For the oral examination we were taken in two lots, five the first day and four the second day, each man being taken singly. Towards three o'clock a bell tinkled, and an attendant appeared, who ushered me into the presence of the dreaded. There were four examiners, who constituted the commission: two only interrogating. Without wasting a minute after being seated, I was handed a nux vomica seed, with the remark, "Tell me what you know about this. To give the botanical name, family and habitat is not sufficient. A detailed description is exacted, and must be given progressively. The common name, botanical name, family, habitat, organoleptic and physical properties, chemical composition, therapeutics, galenical preparations in which it enters, alkaloids, doses, must all be detailed. Then followed a description of poisoning by strychnia, the antidote, and the test for the alkaloids. These constituted the chief questions.

Afterwards I received a piece of calumba root, which on being disposed of, I was turned over to the chemistry professor. Some candidate may receive three samples,

others only one; this examiner being known to dwell on a single drug from 15 to 10 minutes. My preparations were unwrapped, viz.:

{ Glacial acetic acid, and
{ Cherry laurel water.

With regard to the acid, a description of the method of preparation and standardization, and a touch on the acetates and vinegar was all that was demanded, the examination turning upon the cherry laurel water, embracing prussic acid and cyanides, method of testing the strength, therapeutics, and antidotes. All through the questions were well directed and searching, but not difficult. Whatever subject a candidate is examined on the possible adulterations are asked for and the means of detecting the same.

After we four had been disposed of we were recalled together, and having been first informed that we should receive the diploma, each candidate was then told the number of marks he had received.

I cannot speak in too high terms of the courtesy I met with all through, from the examiners and from those with whom I worked. All the students in this examination received their diploma.—*C. R. in British and Colonial Druggist.*

Aqueous Solutions of Essential Oils.

It has been found by Bergmann that while mixtures of the fixed alkali soaps with hydrocarbons and essential oils form only emulsions in water, under separation of the respective oils, a mixture of an ammonia soap with an essential oil will form a clear solution in water, especially in presence of an excess of ammonia (*Chem. Zeit.*, November 6). Turpentine oil, or some other essential oil, is first mixed with castor oil, or a mixture of it with some other fat oil, the mixture is then subjected to the action of concentrated acid, and the product, after being washed with solution of salt, is saturated with ammonia in excess. Or the fat acids may be first separated by treatment of the fatty oil with concentrated acid, then washed with salt solution, and the essential oil added either before or after saturation with ammonia. The preparation thus obtained is said to form a clear solution, and not only to possess the properties of a soap, but also to exercise, in aqueous solution, the solvent action of an essential oil.—*Pharm. Journal.*

Competition is the life of the drug trade only when the competitors are professional druggists.

It is reported from Japan that a druggist of Hikone has succeeded in converting wild hemp into a substance possessing all the essential qualities of silk. The new material has been tried in a number of silk factories with excellent results, and a company is about to be formed to work it.

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

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

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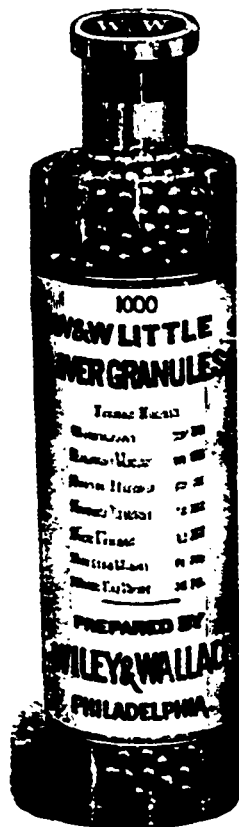
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SMALL, PLEASANT, PROMPT, EFFECTIVE.

1,000, 90 Cents.
6,000, (one bottle) \$1.25.
1 gross in glass, 24 in each, \$10.00.
1 gross in glass, 48 in each, 8.00.
1 gross in glass, 96 in each, 7.00.
Buyers Address.

FORMULA

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

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Dr. Fife's Worm Lozenges,
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Prof. Kennedy's Combination Pills,
Wistar's Pulmonic Syrup,
Lamont's Baby Cordial,
Sitzer's Worm Candy,
Sitzer's Worm Syrup,
Leestershire Tick and Vermin Destroyer,
Kennedy's Foulger and Hoof Ointment,
Golden Eye Salve,
Star Cement,
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NEW YORK.

Dispensing Notes.

GLYCERINUM BELLADONNÆ.—Prescribers, says Mr. Wm. Johnston in the *Pharmaceutical Journal and Transactions*, frequently order "glycerin and extract of belladonna, of each equal parts," and dispensers are occasionally puzzled to know what proportions are actually intended in such an order. Thus, it might mean equal parts by volume, or equal parts by weight; or the physician, actuated by the usual custom, might wish one part by weight to be mixed with one part by measure, and probably this is the intention in most cases. A formula for the preparation is published in the "Extra Pharmacopœia," but even that is not quite so definite as it might be, inasmuch as the final measure of product is left undecided. In making several ounces, particularly at the dispensing counter, and in a hurry, one likes to have precise data to work upon, and it would be a distinct advantage to have authoritative directions laid down in the forthcoming appendix to the British Pharmacopœia. The following slight modification of Mr. Martindale's recipe gives excellent results both as regards rapidity of manipulation and consistence of finished preparation. The latter is quite thick enough to please both physician and patient, and still not too thick to pour comfortably into a poison bottle.

Extract of belladonna..... 2 ozs.
Glycerin..... 2 fl. ozs.
Warm water, a sufficiency, or 5 fl. drs.

Place the extract in a warm mortar, and rub it smooth, with 4 drams of water gradually added; mix in the glycerin, and transfer to a bottle; rinse out the mortar with the remainder of the water, and shake the rinsings with the main portion, making the final measure 4 fluid ounces.

EMULSION OF SALOL.—Jouisse, pharmacist of Orleans, writes to *Nouvelles Remedies*, that having been requested by a physician to prepare an emulsion of salol for use in treatment of cancer of the stomach, after some experiments, found the following to act admirably:

Salol..... 40 parts.
Gum arabic..... 40 "
Gum tragacanth..... 2 "
Tincture of tolu..... 100 "
Simple syrup, or syrup of tolu 300 "
Distilled water..... q. s.

Mix the tincture of tolu with water, and after partial precipitation pass through a linen strainer and proceed to make the emulsion *secundum artem*. The amount of water used will depend upon the dose of salol prescribed by the physician. Six to 8 grains may be given several times a day, occluded in a tablespoonful of emulsion.

A DISPENSING QUERY.—Mr. C. F. Henry calls attention to the following combination, which at times gives a coloration which might be unexpected:

Ammon. bromid..... gr. xxiv
Potass. iodid..... gr. iij
Saccharini..... gr. vj
Misce ft. pulv. no. vj.

They were for an infant. In preparing

the powders a slight yellow color was developed, and the powder in a few days became of a red color. Further experiments developed the fact that it did not occur with all specimens of these chemicals, and that the reaction was probably due to some very slight impurity in the iodide of potassium. Repeating experiments, he concludes that the color reaction was due in this instance to the sample of iodide and most likely to minute development of hydriodic acid. When this reaction occurred the pulse rate seemed increased, but not the temperature or respiration, and that when the red color was developed there was not either dangerous or poisonous symptoms following its use.—*Pharm. Jour.*

CARBOLIC ACID SOLUTION.—It will be found that pure carbolic acid forms clear mixtures with water, in the proportions of carbolic acid 5 parts, water 95 parts; also carbolic acid 95 parts, water 5 parts. The first is a solution of carbolic acid, the latter is a liquefied carbolic acid, which is more of the character of a mixture than of a solution. On the addition of more water to this strong mixture, the acid is separated and does not again become a clear mixture or solution until it is reduced to the strength of 5 per cent. of carbolic acid. The latter is what should be dispensed for a saturated solution of carbolic acid.—*Pharm. Record.*

EXTRACT OF LICORICE FOR MASKING THE TASTE OF QUININE.—H. Franz, in the *Pharmaceutische Zeitschrift für Russland*, gives the following:

Dry licorice extract..... 20 par. s.
Hot water..... 10 to 20 parts.
Glycerin..... 20 parts.

Dissolve, and let cool, and to the solution add:

Alcohol..... 10 parts.
Distilled water, q. s. ad..... 80 parts.

One dram of this solution masks the taste of about 3 grain of quinine, and the results attained, by it in practice show that it is much superior to yerba santa and saccharin.

Window-Pane Barometer.

A pretty use of cobalt and nickel salts, which, as is well known, are affected by changes in the amount of moisture in the air, and which change they indicate by exhibiting different colors, is suggested by Rueckert in the *Rep. Annual Chem.* If window-panes, or wall paper, or the like, are painted with the following solutions: 1. Chloride cobalt, 1; gelatin, 10; and water, 100. 2. Chloride copper, 1; gelatin, 10; and water, 100. 3. Chloride cobalt, 1; gelatin, 20; water, 200; nickel oxide, .75; chloride copper, .25, they will be colorless in damp weather. In clear weather solution No. 1 will give blue color, No. 2 yellow, and No. 3 green.—*Weekly Medical Review*, April 26, 1890.

When you wrap up a package, label it immediately. Write the name in full in plain English.



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GROWTH
—AND—
BEAUTY

FOR THE HAIR.

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

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

—AND—
IS NOT A DYE.

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

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

DEDICATED TO
JOHN KITCHEN, Esq., of Delhi, Ont.

On the anniversary of his
GOLDEN WEDDING, MARCH 21, 1890.

—BY—
Mr. James McConnell, of Lakeview,
With a bottle of

BARKWELL'S SURE CORN CURE

AS A GOLDEN OFFERING,
And which he declares, after experience, is Worth
More than its Weight in Gold.

This fluid is good, and I told you it would
Cure corns and bunions as well;
So now, Uncle John, just put it right on
And you will have wonders to tell.

I tell you again, 'twill cure without pain,
Though you may be loath to believe it,
But after my trial there can be no denial,
And as a toon I hope you'll receive it.

I have often been told 'tis more precious than gold,
And as such I submit it to you,
For as gold was the thing I'm expected to bring,
I think this present will do.

N.B.—This is the way the public show their appreciation of a genuine article, and we must commend it, and congratulate the proprietor, W. S. Bryers Barkwell, in being the possessor of an article that gladdens so many hearts, and upon which the public place so high a premium.

W. S. BRYERS BARKWELL,
LONDON, ONT.

GIBBONS' Toothache Gum

(REGISTERED)

PREPARED BY

J. A. GIBBONS & CO.

DRUGGISTS, TORONTO.

And may be had from the Wholesale Trade.
Beware of cheap and worthless imitations.

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 the Only Remedy that Infallibly Relieves and cures Piles, Pruritus and all Hot and Itching Sores and Eruptions. Thousands of Cures without a known failure, attest the truth of this statement.

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., say: "Dr. Child's Pile Ointment gives satisfaction wherever used."

The Inland Sentinel, Kamloops, B. C., says: "The Sentinel does not as a rule endorse proprietary medicines, but when a really meritorious article is offered the public we have no hesitation in recommending it. We know of none more deserving of encouragement than Dr. Child's Pile Ointment. With less than two years' trial by the afflicted, it has gained a reputation for relief and cure which no other remedy has gained in the same time."

A great majority of the testimonials so far published are from men well known in this province, whose word may be relied on, and all of whom give unqualified testimony in its favor.

Rectal Diseases are much more prevalent than is generally supposed. In every community there are many who, having "tried everything" (except Dr. Child's Pile Ointment), have resigned themselves to suffer and say nothing. One box sold sells many boxes. It is an article that you can recommend with every confidence, and it is offered to you at a price which makes it worth your while to stock and push it. As "a start'er" only, we will send one dozen, postpaid, on receipt of \$6. Retail price, \$1.

Regular Prices:—1 dozen, \$7; 3 dozen, \$19.50; 6 dozen, \$36; 1 gross, \$66; 5 gross, \$300; 4 mos., or 5 per cent. cash with order.

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, Leucorrhœa, Profuse and Difficult Menstruation, Ovarian Tumors, Fibroid Tumors, Inflammation and Congestion of the Ovaries, Cancers in their Earlier Stages, Lacerations of Cervix due to Child Birth Radically Cured.

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

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

For sale by Druggists and Pharmacists everywhere.

DR. J. A. MCGILL & Co.,

Proprietors, Chicago, Ill.

Address all Canadian Correspondence to

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

THE TRADE WILL FIND

J. A. POZZONI'S



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

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

Medicated Complexion Powder

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

Retail at 50 cents; Per Dozen, \$5.75. Try a dozen with your first order.

ALL CANADIAN JOBBERS HAVE IT.

SELECTIONS.

HUCHARD'S "ANTISEPTIQUE" OR DIGESTIVE POWDER.—This is said to consist of 4 grams of pancreatin, 4 grams sodium bicarbonate, 4 grams magnesia, 40 centigrams powdered nux vomica, mixed and divided into 20 packets or doses, one of which is to be taken before each meal.

CALOMEL changes to the corrosive chloride, according to Bayley, in the presence of citric acid, concentrated acetic acid, sodium carbonate, ammonium chloride, sodium chloride. Less active in producing the change are lemon juice, vinegar and distilled water; while sugar, milk sugar, honey, jalap, resin and pepsin, in feeble acid solution, produce no change.—*Chem. Drug and Apoth. Ztg.*

NEW TEST FOR CONINE.—Van Senus states, in the *Ned. Tijdschr. v. Pharmacie*, that this alkaloid, when mixed with nitrobenzol, gives a beautiful blue, which changes first to red and subsequently to yellow. Anilin and nicotin do not give the reaction. The test is, however, not successful with the pure $C_{10}H_{15}NO_2$, but only with the article prepared, by acting with nitric acid on commercial benzol. When such nitrobenzol is distilled, the first fractions give the reactions but very imperfectly, but the residue left in the retort produces a fine display of colors. The author soon hopes to be able to find out to what substance the reaction is really due. Not unlikely it may be caused by the presence of carbonic sulphide in the crude benzol.

PHENOL SOLUTION.—G. M. Beringer has examined a sample of this preparation made in Philadelphia. It is a thin, dark colored, almost black liquid, specific gravity 1.015, and an alkaline reaction. On agitating a great quantity of foam is produced. It contains 66 per cent. of tarry matters, and about 1 per cent. of phenols, which are not separated on diluting with water and nearly $1\frac{1}{2}$ per cent. of soda. A very similar preparation is yielded by the following:

Dissolve 120 grains of soda in 4 fluid ounces of water; warm, add 2 troy ounces of coal tar and thoroughly shake for a few minutes. Then add sufficient water to make one pint, and set the mixture aside in a warm place, shaking frequently during seven days. Decant the solution, filter through a moistened filter, washing the residue with sufficient water to make the product measure one pint.—*Amer. Jour. Phar.*

ANOTHER ANTIPYRIN INCOMPATIBLE.—M. Tardy, a pharmacist's assistant, has observed that when antipyrin and carbolic acid are prescribed in the same mixture, an insoluble, oily liquid will separate and probably impair the properties of either or both of the constituents. The upper, or watery, layer appears to contain most of the antipyrin, and the lower oily stratum most of the carbolic acid, but both somewhat altered in odor and appearance.

Ausrot, the latest substitute for iodine, is evidently worth the attention of the practical pharmacist who delights in dispensing difficulties and their solution. It seems that the iodine it contains has an irrepressible roving tendency, which leads it to seek independence and select combinations to its own taste from its surroundings. For this reason it decomposes with starch, and therefore cannot be employed in conjunction with the starch paste which is so favorite an application in skin diseases. It is also incompatible with all bodies which have a strong affinity for iodine, as caustic alkalis, carbonates of the alkalis, corrosive sublimate, metallic oxides, ammonia, &c. This, of course, restricts very considerably the use of the remedy, which can only be prescribed as a simple ointment with lanolin, in ethereal solution, or dissolved in oil.

GLYCERIN AND SOME OF ITS PRACTICAL USES.—As a dressing for ladies' shoes it renders the leather soft and pliable without soiling garments which come in contact.

For excessive perspiration of the feet, one part of burnt alum with two parts of glycerin should be rubbed on the feet at night, and a light, open sock worn. In the morning the feet should be washed with tepid water.

For bunions and corns, equal parts of cannabis indica and glycerin should be painted on the surface and covered with Canton flannel.

For the face, oatmeal into a paste with two parts of glycerin and one of water may be applied at night, under a mask as a complexion improver.

As a supplement to a bath, two ounces of glycerin in two quarts of water will render the skin fresh and delicate.

For coughs, one to two tablespoonsfuls in pure rye whiskey or hot, rich cream will afford almost immediate relief.

For consumption, one part of powdered willow charcoal in two parts of glycerin is a panacea.

For diseased and inflamed gums, three parts of golden seal, one part of powdered burnt alum and two parts of glycerin, rubbed on at night, after first removing any tartar.—*Scientific American.*

Methylated Sweet Spirit of Nitre —Simple Method of Detecting It.

Mr. John Muter read the following at the February meeting of the Society of Public Analysts:

I have never yet met with a really simple test for this fraudulent article mentioned in any print. There is, at the present time, a great amount of it about, and it behooves us all to be on the alert to stop it. From what I have seen, the regularly licensed chemists and druggists do not patronize the makers of the article to any great extent, but it chiefly finds its way to cutting stores and oilmen, who undersell the pharmacist in all his articles not included in the poisons schedule. It

can, of course, be made of correct specific gravity, and to yield the right amount of nitric oxide by the British Pharmacopœia test, and yet sold at a splendid profit. There ought, certainly, to be introduced into the next British Pharmacopœia some simple method whereby the stuff can be readily found out in a few moments; and in the hope that this will be done, I beg to submit the following perfectly simple, yet, so far as I know, entirely reliable test. At least, among no end of samples, I have never yet failed with it. The test simply consists in putting some of the sample into a glass, with a lump of solid caustic potash (about the size of a small bean), and stirring till nearly dissolved. Real British Pharmacopœia spirit, made from rectified spirit of British Pharmacopœia quality (which it ought to be or it is not a legal tender as British Pharmacopœia spirit) will lose all its odor of nitrous ether, and, after standing for half an hour, will not have become darker than the very palest tint of straw color (not visible by gas light), and it will then only have the odor of plain, rectified spirit. The methylated article, on the other hand, will become of a dark color, varying from deep yellow to orange red, and will give off the well-known odor of methylated spirit in all its nakedness. Should any further confirmation be required, then we may have recourse to the old "Miller" process, or we distil off some of the potashed spirit, and put 10 grams of it in the dark for forty-eight hours, with a good excess of Hubl's solution. The genuine British Pharmacopœia spirit has never, in my hands, absorbed any iodine, while the methylated article takes from 0.4 to 0.7 per cent. of iodine, according to the quality of the spirit employed. There is, however, no need to trouble about this, because the simple combined observation of the odor and color after potash are perfectly convincing.—*The Analyst.*

Hæmoglobin Compound.

This preparation is composed of Bullock's blood, extract of malt, spirits and glycerin. The proportions I generally employ are three parts each of blood and malt, and one part each glycerin and spirits. Made up by this formula it keeps well.

My note book contains about fifty cases in which this preparation was used with immediate benefit. It appears to be useful in all cases of debility in which the digestion and assimilation is feeble.—Dr. F. E. Stewart, *New York Medical Times.*

A protective to wounds on animals where it is difficult and, at times, impossible to apply a permanent bandage of any other description is highly spoken of by Arnold (*Thurart. Wechenchrift*) is a mixture of two parts of ichthyol with ten parts of collodion. This, applied by means of a camel hair brush, makes a durable and pliable coating to any abrasion or wound that effectively removes it from contact with air and extraneous infective agencies.

Price List of Lambert's Physician's Specialties :

LISTERINE.

ANTISEPTIC, PROPHYLACTIC, DEODORANT.

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

LAMBERT'S LITHIATED · HYDRANGEA.

KIDNEY ALTERATIVE ANTI-LITHIC.

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

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

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

REMINDE CANADIAN DRUGGISTS

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

Yours respectfully,

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

Stecher's Stick 'Em Fly Paper

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

— SIZE, 10 X 24 INCHES. —

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



The saying is "When one flies a dozen come to the funeral." This paper catches Funeral Procession and all!

Spread on Manilla or Parchment as desired.

Quality Guaranteed for the Entire Season.

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

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

MANUFACTURED BY

HENRY W. STECHER, - Cleveland, Ohio.

Ontario College of Pharmacy Examinations.

The following is the result of the 39th semi-annual examination of the Ontario College of Pharmacy, held in the college buildings on Gerard street, on the 12th, 13th, 14th, and 15th of May :

Prizemen—J. H. Hanley, Strathroy (general proficiency), college gold medal. W. A. Howe, Thornbury, (general proficiency), college silver medal. J. H. Hanley, Strathroy, (chemistry), Shuttleworth medal. J. R. Allan, Ottawa, (materia medica), Avison medal. Wm. McKie, Bright, (dispensing), D'Avignon medal.

PASS LIST.

All subjects—M. A. Belanger, Ottawa; C. H. Bowes, Bolton; R. A. Chapman, Toronto; Wm. E. Cochenour, Toronto; J. H. Colling, Lowville; Jas. Conger, Picton; C. G. Culbert, Ottawa; W. J. Douglas, Markdale; G. W. Dunoon, Lindsay; Robt. J. Fife, Peterborough; E. R. Flack, St. Thomas; Sam. Graeb, Hespeler; J. C. Gilbank, London; G. S. Hill, Norwich; C. Jones, Tamworth; W. T. Lloyd, Kettleby; J. L. Luckman, Alvinston; E. C. Mears, St. Catharines; H. Meldrum, Fenelon Falls; G. F. McCormick, Ottawa; N. J. McDermid, London; P. J. McGibbon, Sarnia; J. F. McLennan, Ottawa; J. H. Nicholson, Strathroy; F. A. Oakley, Toronto; F. G. Sanderson, St. Marys; R. W. Sawyer, Wallaceburg; C. F. Stewart, Wallace-

burg; T. A. Taylor, Owen Sound; J. D. Todd, Aurora; W. A. Weightman, Brantford, with the 4 prizemen, making a total of 35.

Passed in subjects now and on previous occasions.—H. Baldwin, Sunderland; F. R. Brown, Bowmanville; J. E. Campbell, Hopworth; R. W. Chambers, Milbrook; W. J. Donaghy, Hamilton; I. W. Harrison, Gananoque; Gilbert P. Halls, Windsor; W. S. Menger, St. Jacob's; M. T. Nelles, London; C. A. Rice, St. Catharines; E. T. Sawtell, Orangeville; Harry Turner, Toronto; A. E. Walton, Toronto. Total, 13.

Passed in part subjects and registered on them—R. J. Baxter, Cayuga, dispensing chemistry, materia medica, botany; C. F. Cochenour, Brantford, dispensing; W. F. Gibson, Ottawa, dispensing, prescriptions, pharmacy, materia medica; S. M. Green, Toronto, dispensing, prescriptions, pharmacy, materia medica; Harry Haken, Norwich, dispensing; C. H. Hopkins, Belleville, dispensing, chemistry, materia medica, botany; J. C. Johnson, Toronto, dispensing, prescriptions, chemistry, materia medica, botany; G. S. Macdonald, St. Catharines, prescriptions, chemistry, materia medica, botany; G. B. Mittleberger, Toronto, dispensing, prescriptions, chemistry, botany; W. B. Montgomery, Toronto, dispensing, prescriptions, materia medica, botany; Daniel McMillan, Toronto, dispensing; Walter McMillan, Uxbridge, dispensing, chemistry, materia medica,

botany; H. B. Powell, Toronto, materia medica; W. H. Reid, Southampton, dispensing, prescriptions, materia medica, botany; J. C. Switzer, Carleton Place, dispensing; J. B. Williams, Guelph, dispensing, chemistry, materia medica, botany.

One hundred and eight students presented themselves for examination. Out of this number 35 passed in all subjects, 13 passed in subjects now which they had failed on in former examinations and 16 passed in some subjects, but cannot get their diplomas until other subjects are passed.

A Pharmaceutical Centre.

At the examinations of the Ontario College of Pharmacy held in May, 1889, a student from Strathroy, Ont., obtained the college gold medal and the gold medal for materia medica. In May, 1890, another student from Strathroy also captured the college medal and the medal for chemistry, and another from the same place was on the honor list. This coupled with the fact that Strathroy is also the home of the CANADIAN DRUGGIST goes to show that this is the "Hub" of pharmacy in Ontario.

Iodoform is rendered more soluble in alcohol or ether by the use of camphor, the latter increasing the solubility eight times as much, although even then it is soluble to not more than 10 per cent.

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*.

Hanson's Magic Corn Salve is an excellent seller, gives the best results and affords a good profit. Do not fail to keep stocked up with it as there is sure to be an increasing demand.

Indian Woman's Balm, prepared by A. J. Truss, Toronto, is before our readers in this issue. The sale is steadily increasing and bids fair to be one of those proprietaries which a druggist must keep stocked up in.

J. Winer & Co., Hamilton, Ont., carry a very full line of Gibson's Confectionery including many entirely new flavors. Write them for prices of these goods, as well as usual lines of drugs, drug sundries, etc.

Read the advt. of the Lambert Pharmaceutical Co., proprietors of the already well known Lithiated Hydrangea, and also of Listerine. While the latter is prescribed always use that of this company's make to ensure reliability.

The druggist who presents Luby's Hair Restorer to his customer as a reliable preparation may rest assured that he has not only given full value for the money, but has gained a still further hold on that customer's trade by his advocacy of such an article.

The attention of the trade is invited to the advt. of Wagner, Zeidler & Co., of the Dominion Show Case Works, who supply cases of every style and description, also store fittings, etc. Send for their catalogue, if requiring anything in these lines.

One of the most useful appliances for the drug trade is advertised on page 6. We mean a powder mixer and sifter manufactured by M. J. Jones, of Penn Yan, N. Y., which will be found just the thing for mixing baking powders, tooth powders, etc., and is an article that will soon pay for itself.

If you want anything in the line of rubber goods, consult the very complete catalogue of the Toronto Rubber Co., and you will be sure to find what you want. As this firm deals exclusively in this line of goods, they can supply you with anything in rubber at the lowest figures. If not already in receipt of their catalogue write them, mentioning this paper, and it will be forwarded by return mail.

The Recamier Mfg. Co., of New York, who now have agencies in Montreal and Toronto, report that their Canadian business has largely exceeded their expectations, as a result of their extensive advertising together with the public's appreciation of first class, reliable preparations. They are now advertising their Recamier Sarsaparilla very largely, and

druggists should see to it that they are well stocked as the demand promises to be very large.

Every druggist should handle such goods as are commonly called for in drug stores, and used by nearly every family and store keeper. It is to his interest to handle only such brands of goods as will be most acceptable to his patrons and give them the best satisfaction. When he can, moreover, buy this best brand at the same price as other brands cost, it is self evident that such selection is prudent. If you have no Tanglefoot in stock please read O. & W. Thum's advertisement on page 3.

Handsome Advertising Matter.

F. F. Dalley & Co., Hamilton, are presenting their customers with very handsome designs in easel form, advertising Hirst's Pain Exterminator and Spanish Blacking. They are an ornament to any place of business. Drop a card to them mentioning this paper.

A. Major, of the famous Major's Cement, will supply any druggist desiring them, easel stands advertising this staple preparation. See his advt. of how to obtain a thermometer.

H. S. Case, Hamilton, is also furnishing some very artistic show cards of his special preparations.

Literary Notes.

THE EXTRA PHARMACOPEIA: MARTINDALE & WISCOTT: SIXTH EDITION; H. K. LEWIS, 1890.

Next to the Pharmacopœia itself as an indispensable aid both to the pharmacist and physician, we would recommend this valuable work. This publication has attained a sixth edition of 30,000 in six years, which shows the high appreciation in which it is held. A quantity of valuable information on new remedies, such as antipyrin, phenacetin, the oleates, etc., together with many new recipes have been added, as also a list of histological preparations. It is now a work of 500 pages, bound in pliable leather and of convenient size. From a personal use of former editions of this work we can speak of its special adaptability to the dispenser.

We are in receipt of No. 2 volume of the Montreal Pharmaceutical Journal which we welcome to the ranks of trade journalism.

We congratulate our confrere, the *Pacific Drug Review*, on its improved appearance, commencing with its second volume. The *Review* is an able exponent of the pharmacy of the Pacific Coast.

Unless the pharmacist has a full and large stock of patience and perseverance, he can not expect to be successful.

La Farmacia, the organ of the Italian Pharmaceutical Association, published at Naples, has ceased to appear.

Kerry, Watson & Co., WHOLESALE DRUGGISTS, 351 St. Paul St., MONTREAL,

OFFER THIS MONTH :

PARIS GREEN, (ENGLISH)

Strictly pure, in 100 lb. and 50 lb. irons,
and one pound packages.

Powdered Hellebore,

Our own grinding, Fresh and Strong.

Insect Powder,

Guaranteed pure. Ground by ourselves
from the finest Dalmatian Flowers.

To be useful at all Insecticides must be pure and unsophisticated, and, as many cheap grades are daily offered, we would remind buyers, that the purest are in every sense the best and cheapest. We guarantee ours to be strictly genuine in every particular.

We are glad at all times to give quotations for any articles in our line, and invite correspondence. Particular attention is given to all commands by letter; quick despatch and careful pricing being assured.

WESTERN HOUSE,

The London Drug Co.

LONDON.

THE SUCCESSFUL REMEDY

—FOR—

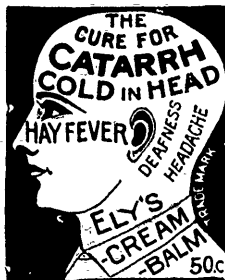
NASAL CATARRH

Must be Non-Irritating

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

ELY'S CREAM BALM.

This safe and pleasant remedy



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

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

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

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

ELY BROS.,

56 WARREN STREET, - : - NEW YORK.

S. LACHANCE,

1538 AND 1540 ST. CATHERINE STREET
MONTREAL,

Proprietor of the following Specialties:

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



THE ALBERT TOILET SOAP COY'S
Has the largest sale of any Toilet Soap in the country on account of its uniformly excellent, delicate and fragrant qualities.

Major's - Cement.



- MAJOR'S CEMENT, for repairing China, Glassware, Furniture, Meerschaum, Vases, Books, Tipping Billiard Cues, etc. 15 and 25 cents.
- MAJOR'S LEATHER CEMENT for repairing Boots and Shoes. 15 and 20c.
- MAJOR'S RUBBER CEMENT for repairing all kinds of soft rubber goods. 15 cents.
- MAJOR'S BEST LIQUID GLUE for repairing wood, etc., always ready for use. 10 cents.

Advertising matter sent by mail on application. I also furnish a handsome sign for installo and a stand, 3 ft. 6 in. for outside use, with a 50 lb. weight, and a thermometer 4x2 1/2 inches, first-class in every respect. Send for terms.
A. MAJOR, 232 William Street, New York City.
KERRY, WATSON & CO., Montreal, P.Q.
and the LONDON DRUG CO., London, Ont.

HUMPHREYS'

SPECIFICS. VETERINARY SPECIFICS.
SPECIAL PRESCRIPTIONS.
WITCH HAZEL OIL. MARVEL OF HEALING.

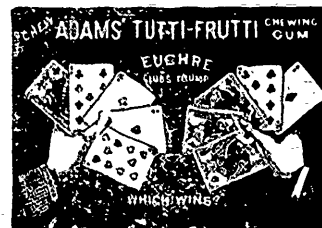
Stocked by all wholesale druggists in Canada and delivered

DUTY FREE.

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

HUMPHREYS' MEDICINE COMPANY

109 FULTON STREET, NEW YORK.



ADAMS & SONS,

23 CHURCH STREET. - TORONTO, ONT.

Tutti Frutti, Tampico, Black Jack, Sapota, Red Rose, Magic Trick, Tally, Licorice, Caramel, Tolu, N.Y. Gum 100 and 200 pieces; Puzzle Gum, 115 pieces, 80c.

Send for descriptive circular containing description of goods, with elegant lithographs free.



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., EVANS & SONS.

London :

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

Montreal :

- EVANS & SONS, LTD. :

Market Report.

LOWER - Citric acid, aloes cake, bals. tolu, camphor, cascara sagrada, coca leaves.

HIGHER - Oxalic acid, bals. Peru, calomel, chloroform, mercurials, spermaceti, blue vitrol.

All English markets are disturbed by the great number of strikes. The silver question also impedes business owing to the uncertainty of the situation, all of which tends to make values at present uncertain and delays stocks coming forward. The changes during the month have been unimportant and business is on the quiet side.

Camphor is a little lower, but it is not considered a good time to lay in stock, as probabilities are prices will be lower.

Chloroform is a little stiffer.

Gum shellac, moving upward.

Mercury and preparations are higher.

Oil cloves, dearer owing to an advance in cloves.

Opium keeps high. The prospects for the new crop are decidedly improved, but no likelihood exists of a good crop. Should no further advance take place in May, an upward movement may be looked for later when the yield will be more fully ascertained.

Spermaceti has advanced very much.

Toronto Drug Prices.

The Toronto Retail Druggists' Association have chosen Messrs. H. Sherris, J. R. Lee, J. C. Lueder and B. Jackes to act as a permanent committee to regulate prices. Toronto has in the past proved a very difficult city to manage in this respect, and the members wisely avoided taking action until they felt that the association was going to continue a healthy existence. The gentlemen chosen are all first class representative men in their various districts, and it is felt that if it is possible to regulate and unify prices, they will be able to do it.

"Shake the Bottle" on Ammonium Carbonate Mixtures.

Claude F. Henry, in a note read before the Edinburgh Chemists' Assistants' and Apprentices' Association, said that he had made several experiments with aqueous mixtures containing varying proportions of sal volatile. He had observed that two different separations invariably occurred. After standing twelve hours, if the bottles were gently cauted over, a clear liquid would be easily discerned at the bottom of the otherwise milky mixtures. A white deposit also formed at the top of the liquid which adhered to the glass, but when shaken separated in flocculent masses. What these two separations consisted of must be left to a future time, or to others to determine. Ten per cent. of fresh ammonium carbonate tended to prevent the formation of the first deposit. The author submitted that, in view of the above facts, a "shake the bottle" label should always be attached to bottles containing mixtures of water and sal volatile, a practice which is not, as a rule, at present carried out.

Reply Promptly.

"I always make it a point," remarked a manufacturer, the other day, "to reply to every communication of a business nature addressed to me. It doesn't matter what it is about, provided only that it is couched in civil language. I do this because courtesy requires that I should; but aside from that, I find also that it is good policy. Time and again in my life I have been reminded by newly secured customers that I was remembered through correspondence opened with me years before, and many orders have come to me through this passing and friendly acquaintance with people. On the other hand, I have known plenty of business men whose disrespectful treatment of correspondents has been bitterly remembered and repaid with compound interest. Silence is the meanest and most contemptuous way of treating anybody who wishes to be heard and to hear, and resentment is its answer every time."—*Lock-Keeper.*

WYETH'S NEW PREPARATIONS.

Sulphur Compound Lozenges,

(Dr. J. C. Smith formula)

Per lb. \$1.25; per doz. Screw Cap Bottles, \$2.50.

Pepsin Aromatic Lozenges,

Per lb. \$2.20.

Brooklyn Throat Hospital Lozenges,

No. 1, Ammon Chlor. Comp., per lb., - \$1.00.

Ammon Nit. 2 grs., Cacao 1 gr., Ext. Licorice 6 grs.

No. 2, Cocaine Comp., per lb., - \$3.75.

Cocaine Hydrochlor 1.10 gr., Morph. Sulph. 1.91 gr., Potass Chlorid 3 grs.

Tablets Tonic Chalybeate, per 100, - 35c.

(Dr. Austin Flint's formula)

*All Above prices subject to usual trade discount.

DAVIS & LAWRENCE CO., Limited,

MONTREAL.

Fast Sellers

ALASKA CREAM

For Chapped Hands, Face, Lips, etc. In Summer for Tan, Freckles, Sunburn.

DR. OAKWOOD'S

Syrup of Tar & Tolu

—FOR—

Coughs, Colds, Hoarseness, Asthma, Bronchitis, Croup, Whooping Cough, etc.

RETAIL AT 25 CENTS.

STUART W. JOHNSTON

TORONTO.

PARIS Our first two instalments have been delivered in splendid condition. We have fortnightly supplies coming forward, and hope to be entrusted with many orders that have not yet been received. **BEWARE OF "OFF SHADE" Paris Green, so called. GREEN** We tested a sample of such last season (it was American) and found it to contain 32 p. c. Barytes. **BEWARE OF WET Paris Green, which** though but slightly damp, saves the maker 2 cents per pound. When you buy Paris Green see that you get it. Permit us to recommend our 1 pound round cardboard packets. This very poisonous article should not be exposed for sale in open drums. To induce the introduction of packets, we offer 1 or 2 lbs. at 1 cent per lb. extra, instead of 2 cents as heretofore. **IN PRICE, we are competitors as well as in QUALITY.**

MANUFACTURED BY ALEXANDER, FERGUSSON & CO., GLASGOW, SCOTLAND.

—FOR SALE BY—

FERGUSSON, ALEXANDER & CO., - MONTREAL.

We have already contracted to advertise

WILSON'S FLY POISON PADS

(REGISTERED)

In Ninety Newspapers during the coming Summer Months.

The Demand will therefore be Larger than ever.

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

SOLD BY ALL WHOLESALE DRUGGISTS AND DEALERS IN PATENT MEDICINES.

ARCHDALE WILSON & CO., HALMITON.

Canadian Druggist Prices Current.

CORRECTED TO JUNE 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 28	\$3 60	CASTOR, Fibre, lb.....	7 50	8 00	Bleached, lb.....	45	50
Wood, gal.....	3 50	3 60	CHALK, French, powdered, lb...	10	12	Spruce, true, lb.....	30	35
ALLSPICE, lb.....	13	15	Precip., see Calcium, lb.....	10	12	Trogaemth, flake, 1st, lb.....	1 00	1 10
Powdered, lb.....	15	17	Prepared, lb.....	5	6	Powdered, lb.....	1 10	1 15
ALON, oz.....	40	45	CHARCOAL, Animal, powd., lb...	4	5	Sorts, lb.....	25	75
ANODYNE, Hoffman's bot., lbs...	50	55	Willow, powdered, lb.....	20	25	Thus, lb.....	8	10
ARROWROOT, Bermuda, lb.....	45	50	CLOVE, lb.....	25	30	Hain, 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	Burdock, lb.....	16	18
Copaiba, lb.....	90	1 00	COLLOIDION, lb.....	75	80	Boneset, ozs, lb.....	15	17
Peru, lb.....	2 50	2 75	Cantharidal, lb.....	2 50	2 75	Catnip, ozs, lb.....	17	20
Tolu, can or less, lb.....	65	75	CONFECTIO, Senna, lb.....	25	30	Charetta, lb.....	25	30
BARK, Barberrry, lb.....	22	25	Creosote, Wood, lb.....	2 90	2 50	Coltsfoot, lb.....	20	38
Bayberry, lb.....	15	18	CUTTLEFISH BONE, lb.....	35	40	Feverfew, ozs, lb.....	53	55
Buckthorn, lb.....	15	17	DEXTRISE, lb.....	10	12	Guindelia robusta, lb.....	45	50
Canella, lb.....	15	17	DOVER'S POWDER, lb.....	1 50	1 60	Hoarhound, ozs, lb.....	17	20
Cascara Sagrada.....	30	35	ERGOT, Spanish, lb.....	75	80	Jaborandi, lb.....	45	50
Cascarilla, select, lb.....	18	20	Powdered, lb.....	90	1 00	Lemon Balm, lb.....	38	40
Cassia, in mats, lb.....	18	20	ERGOTIN, Keith's, oz.....	2 00	2 10	Liverwort, German, lb.....	40	45
Cinchona, red, lb.....	60	65	EXTRACT, Logwood, bulk, lb....	13	14	Labellia, 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	Chamonille, Roman, lb.....	30	35	Peppermint, ozs, lb.....	21	25
Ground, lb.....	17	20	German, lb.....	30	35	Rue, ozs, lb.....	30	35
Powdered, lb.....	20	28	Elder, lb.....	29	22	Sage, Ozs, lb.....	15	18
Hemlock, crushed, lb.....	18	20	Lavender, lb.....	12	15	Spearmint, lb.....	21	25
Oak, white, crushed, lb.....	15	17	Rose, red, French, lb.....	1 60	2 00	Thyme, ozs, lb.....	18	20
Orange peel, bitter, lb.....	15	16	Rosemary, lb.....	25	30	Tansy, ozs, lb.....	15	18
Prickly ash, lb.....	35	40	Saffron, American, lb.....	35	40	Wormwood, oz.....	20	22
Sassafras, lb.....	13	15	Spanish, Val'a, oz.....	1 25	1 50	Yerba Santa, lb.....	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	Hops, fresh, lb.....	20	25
BEANS, Calabar, lb.....	45	50	GLYCERINE, lb.....	22	25	Ising, Madras, lb.....	75	80
Tonka, lb.....	1 25	2 75	GUARANA.....	3 00	3 25	Ising Powder, lb.....	45	55
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	Digitidis, lb.....	25	30
CAMPHOR, lb.....	65	85	Benzoin, lb.....	50	1 00	Eucalyptus, lb.....	18	20
CANTHARIDES, Russian, lb.....	2 00	2 10	Catechu, Black, lb.....	9	20	Hyoscyamus.....	25	30
Powdered, lb.....	2 10	2 20	Gamboge, powdered, lb.....	1 30	1 35	Matico, lb.....	70	75
CAPSICUM, lb.....	25	30	Guaiac, lb.....	60	95	Senna, Alexandria, lb.....	25	30
Powdered, lb.....	30	35	Powdered, lb.....	65	1 00	Timevelly, lb.....	15	25
CARBON, Bisulphide, lb.....	16	18	Kino, true, lb.....	45	45	Stramonium, lb.....	20	25
CARMINE, No. 40, oz.....	40	50	Myrril, lb.....	45	48	Uva Ursi, lb.....	15	18
			Powdered, lb.....	55	60	LECHES, Swedish, doz.....	1 00	1 10
			Opium, lb.....	4 50	4 75	LICORICE, Solazzi.....	45	50
			Powdered, lb.....	6 00	7 00	Pignatelli.....	35	40
			Scammony, pure Resin, lb.....	12 80	13 00	Grasso.....	30	35
			Shellac, lb.....	35	40	LUPULIN, oz.....	30	35

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

Hypophosphites, oz.	10	12	Chloride, granular, oz.	13	15	Neroli, oz.	1 25	1 50	
Iodide, lb.	3 75	4 00	Iodide, oz.	60	65	Orange, lb.	3 75	5 00	
Nitrate, gran., lb.	8	10	Oxide, lb.	13	60	Sweet, lb.	3 25	3 50	
Permanganate, lb.	65	70	Sulphate, lb.	9	11	Origanum, lb.	65	70	
Potassium, Red, lb.	50	55	Valerianate, oz.	25	30	Patchouli, oz.	1 75	1 80	
Yellow, lb.	32	35	ESSENTIAL OILS.						
And Sol. Tartrate, lb.	39	35	Oil, Almond, bitter, oz.	75	80	Pennyroyal, lb.	2 00	2 10	
Sulphuret, lb.	25	30	Sweet, lb.	50	60	Peppermint, lb.	3 50	4 00	
PIROPLAMINE, oz.	35	10	Amber, crude, lb.	40	45	Pimento, lb.	2 60	2 75	
QUININE, Sulph., bulk, oz.	49	45	Rect., lb.	65	70	Rhodium, oz.	80	85	
Ozs., oz.	45	50	Anise, lb.	2 75	3 00	Rose, oz.	6 00	9 00	
QUINIDINE, Sulphate, ozs., oz.	16	20	Bay, oz.	50	60	Rosemary, lb.	70	75	
SALICIN, oz.	22	25	Bergamot, lb.	4 25	4 50	Rue, oz.	25	30	
SANTONIN, oz.	20	22	Cade, lb.	50	55	Sandalwood, lb.	5 50	9 00	
SILVER, Nitrate, cryst., oz.	90	95	Cajuput, lb.	1 80	1 90	Sassafras, lb.	65	70	
Fused, oz.	95	1 00	Capivium, oz.	60	65	Savin, lb.	1 60	1 75	
SODIUM, Acetate, lb.	30	55	Caraway, lb.	3 50	3 75	Spearmint, lb.	6 00	6 25	
Bicarbonate, kgs, lb.	2 50	2 75	Cassia, lb.	1 50	1 60	Spruce, lb.	65	70	
Bromide, lb.	63	65	Cinnamon, Ceylon, oz.	1 50	1 60	Tansy, lb.	4 25	4 50	
Carbonate, lb.	3	6	Citronelle, lb.	2 75	75	Thyme, white, lb.	1 80	1 90	
Hypophosphite, oz.	10	12	Clove, lb.	2 25	2 40	Wintergreen, lb.	3 00	3 50	
Hyposulphite, lb.	3	6	Copaiba, lb.	1 60	1 75	Wormseed, lb.	3 50	3 75	
Iodide, oz.	40	45	Croton, lb.	1 50	1 75	Wormwood, lb.	6 50	6 75	
Salicylate, oz.	15	17	Cubeb, lb.	20 00	22 00	FIXED OILS.			
Sulphate, lb.	2	3	Cumin, lb.	5 50	6 00	Castor, lb.	11	14	
Sulphite, lb.	10	12	Erigeron, oz.	20	25	Cod Liver, N. E., gal	1 00	1 50	
SMITH NITRE, lb.	27	50	Eucalyptus, lb.	2 00	2 10	Norwegian, gal	1 50	1 75	
STRONTIUM, Nitrate, lb.	18	20	Fennel, lb.	1 60	1 75	Cottonseed, gal	1 10	1 20	
STRYCHNINE, crystals, oz.	1 10	1 25	Geranium, oz.	1 75	1 80	Croton, lb.	1 50	1 60	
SULFONAL, oz.	75	80	Rose, lb.	3 20	3 50	LARD, gal	90	1 00	
SULPHUR, Flowers of, lb.	3	4	Juniper berries (English), lb.	4 50	5 00	LINSEED, boiled, gal	75	78	
Pure precipitated, lb.	13	20	Wood, lb.	70	75	Raw, gal.	72	75	
TARTAR EMEtic, lb.	50	55	Lavender, Chris. Fleur, lb.	3 00	3 50	NEATFOOT, gal	1 25	1 50	
THYMOL, (Thymic acid), oz.	60	65	Garlen, lb.	1 50	1 75	OLIVE, gal	1 35	1 40	
VERATRINE, oz.	2 00	2 10	Lemon, lb.	2 00	2 25	Salad, gal	2 25	2 40	
WATER, Ammonia, lb.	12	15	Lemongrass, lb.	1 50	1 60	PALM, lb.	12	13	
ZINC, Acetate, lb.	70	75	Mustard, Essential, oz.	60	65	SFFRM, gal	2 00	2 25	
Carbonate, lb.	25	30				TERPENTINE, gal	62	65	

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