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CANADIAN



ONTARIO
COLLEGE OF PHARMACY
44 GERRARD ST. E.
TORONTO

DRUGGIST.

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

VOL. 3. { PUBLISHING HOUSE, STRATHROY, ONT. }

JANUARY, 1891.

{ G WELLINGTON ST. WEST, } No. 1.
TORONTO, ONT.

CANADIAN DRUGGIST.

WILLIAM J. DYAS, - Editor and Publisher.

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

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

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

SPECIAL REMINDERS.

We issue on the 15th of each month, therefore, Correspondence should reach us by the 7th.
New Advertisements should reach us by the 7th.
Changes of Advertisements should reach us by the 5th.

Council Troubles.

BY LITERA.

In the journalistic discussions that are taking place in regard to the trouble between the Council and the teaching staff of the College, many of the writers seem to have lost sight of the fact that the Council, in all College affairs, are the elected representative rulers on behalf of the druggists generally, and as such, are perfectly justified in taking any step that, in their knowledge of such affairs, will be in the highest and truest interests of the College—educationally, pecuniarily or otherwise.

Judging from the energetic manner in which they have so far performed a thankless, unpaid duty, the druggists may rest assured that when they put their hands to the plough they will not stop until they have finished the work.

It is always to be expected that when radical reformation is being introduced, opposition will be incurred, and this instance is not likely to prove an exception.

The present Council has been hampered in every change they have sought to make, and especially by those who, from a sense of duty, if not inclination, should have been the first to render such assistance as laid in their power.

It is not claimed that our representatives are infallible in judgment or in action, or are any less liable than others having antagonistic influences to suppress

to escape a fair amount of criticism, but such criticism comes with bad grace from those who are engaged and paid by them to carry out College work upon lines which the Council are legally required to define on behalf of the druggists whose accredited representatives they are, and to whom alone they are responsible for their actions.

It is quite natural that the Professors should oppose any change in an old arrangement whereby they were fast becoming masters of the College situation and of the funds which should have supported it, yet the bringing about of such a change does not justify them in vilifying their employers, or in seeking to create dissensions amongst the druggists for the purpose of levying undue influence in their favor.

Very many druggists in this Province, amongst whom may be classed the writer, have in the past entertained deep feelings of respectful regard for the gentlemen who for a number of years have labored in our College for the advancement of pharmaceutical education, and who are deserving of a share of the credit attaching to the standing which our college has attained; and I feel sure that I voice the regrets of many that they have seen fit to oppose in such a petty, spiteful way the changes that have been introduced by the Council to keep our College abreast with the times, and in a position to rank with the best American Colleges in scope of instruction and equipment.

Such actions are unworthy of them and only serve to tarnish the good reputation they have hitherto enjoyed, besides making it impossible for the Council to retain their services and co-operate with them for the best interests of tutive instruction.

I cannot but think, that, had the Professors the power to undo many of the obstructive acts they have been guilty of, they would be undone; while I am even more assured that the Council, since asserting their right to govern in the matter, have become more fully convinced than ever that their action in displacing the Professors, under the circumstances, was the shortest, safest and best way out of a difficulty which involved the supremacy of the teaching staff, or that of the Council, and which, if permitted to continue, would speedily have placed in ridicule the entire system of pharmaceutical government which they were elected to sustain.

Ontario College of Pharmacy.

JUNIOR EXAMINATION.

The junior examination was held on December 17th, 18th, and 19th, 87 candidates presenting themselves, the names of those who passed are given in the order of merit:—

FIRST CLASS HONORS.

H. E. Bletcher, Peterboro'; C. A. Yates, Goderich; C. W. Clarke, St. John, N. B.; G. J. Sadler, Ottawa; H. Elliott, Toronto; W. H. Gregory, Lindsay; W. Elliott, Toronto; W. Sylvester, Bright; R. Reid, Mount Forest; W. N. Hartman, Clarksburg; R. A. Davis, Woodstock; W. H. Meek, Orangeville; F. R. Brown, Brownsville, E. B. Kilgour, Mount Forest; D. S. Meldrum, Toronto; W. A. McIntyre, Toronto; E. W. Martin, Hespeler; H. W. Thompson, Fenelon Falls; T. Sweeney, Belleville; C. Ruby, Berlin; J. McIntyre, Paisley; M. G. Sherk, Toronto; A. H. Dunlop, Belleville.

SECOND CLASS HONORS.

J. Brough, Guelph; W. Hookway, St. Marys; R. Baxter, Windsor; R. N. Miller, Tamworth; J. A. Stewart, Meaford; F. G. Walley, Ingersoll; W. S. Stone, Port Hope; A. B. Moyer, Toronto; E. M. Carpenter, Collingwood; A. E. Brethour, Ottawa; C. A. Cook, Brantford; W. T. Armour, Owen Sound; R. S. Armstrong, Port Colborne; E. W. Stickney, Newburgh; R. H. Smith, Smith's Falls; W. J. H. Cherry, Ottawa; W. Sharp, Brampton; H. G. Horton, Goderich; W. C. McDougal, Guelph; Y. W. Campbell, St. Thomas.

PASSED.

R. Norris, Elora; G. A. Peaker, Brampton; J. Lynch, Peterboro'; H. Daneau, Almonte; A. L. Hamilton, Shedden; F. C. Hagyard, Orangeville; W. Latimer, Eugenia Falls; A. McMaster, Guelph; E. A. Gayfer, Ingersoll; J. K. Sutherland, Belleville; W. H. Roger, Ottawa; W. H. Campbell, Bradford; E. A. Tanner, Lakefield; A. D. Deverall, Whitby; J. McMaster, Angus; M. C. Rose, Toronto; J. Gray, Elora; B. J. E. Freer, Kincardine; R. L. Smith, Hamilton; J. F. McLeay, Watford; T. Graham, Sturgeon Point; H. P. Eakin, Unionville; W. J. H. McKinsey, Streetsville; A. E. Sauter, Toronto; R. Hill, Norwich; J. H. Smelle, Chesley; H. H. Warren, Oshawa; W. J. Fraser, Toronto; C. A. Buchanan, Kemptville; W. T. Kendall, Simcoe; J. McRobie, Petrolia; J. F.

Johnson, Owen Sound; U. S. Wilson, Lifford; T. P. Hartley, Shelburne; U. S. Board, Ottawa.

FIRST IN SUBJECTS.

Chemistry: W. H. Gregory (99 marks); *Pharmacy*: W. A. Gregory, (94); *Materia Medica*: C. A. Yates, (89); *Prescriptions*: W. Elliot (92); *Dispensing*: G. J. Sadler (92); *Botany*: C. W. Clarke, W. Elliot, J. Brough, W. N. Hartman—equal (98 marks).

THE FINAL EXAMINATION.

The following is the result of the 40th semi-annual examinations at the Ontario College of Pharmacy:—

The Council gold medal, H. J. Childs; London; the Council silver medal, R. V. Hay, Waterford; the D'Avignon medal, H. J. Childs, London.

Passed in order of merit—H. W. Burgess, Toronto; G. F. Proctor, Toronto; D. G. Meldrum, Toronto; T. W. Deachman, Gorrie; E. W. Knowles, Guelph, and W. E. Martin, Hespeler; A. E. Gregory, Lindsay; W. L. Campbell and T. B. James, Toronto; W. R. Austin, J. H. Hallett, Toronto; J. A. Unsworth, Stouffville, and J. N. Walker, St. Catharines.

Passed in part subjects now and on previous occasions—W. R. Armstrong, Lyn; R. J. W. Barker, Toronto. C. F. Cochenour, Brantford; W. F. Gibson, Ottawa; S. M. Green, Toronto; G. H. Hinch, Hamilton; C. F. Hopkins, Belleville; J. C. Johnston, Toronto; J. L. Little, Toronto; William W. McKeague, Wellandport; F. W. Wood, Campbellford.

Candidates who succeeded in taking four subjects, and can register on these subjects—A. H. Allin, Whitby, dispensing, prescriptions, pharmacy, materia medica; M. D. Hall, Toronto, prescriptions, chemistry, pharmacy, botany; F. J. Hoag, Kingston, prescriptions, chemistry, materia medica, botany; H. B. O'Connor, Teeswater, prescriptions, chemistry, materia medica, botany; W. C. Riddle, St. Catharines, dispensing, prescriptions, chemistry, botany.

Candidates who passed on individual subjects and can register on these subjects—G. S. McDonald, St. Catharines, dispensing; G. B. Mettberger, Toronto, materia medica; J. B. Williams, Guelph, prescriptions.

The Shuttleworth and Avison medals were not awarded.

Some Therapeutic Notes of Interest to Pharmacists.

BY H. M. WHELPLEY, M. D., PH. D.

And now the gonococci are to be stained to death with methyl violet. This is the remedy that Dr. Kaune uses for gonorrhoea. He uses a one to one thousand solution once a day, and cures a patient after three injections. The commercial methyl violet contains arsenic and must not be used; but there is a German preparation sold under the name of pyocetanin, which is free from phenol and arsenic.

Chapped hands are difficult to treat on account of the trouble in removing the cause. As a rule, a patient expects his hands to be rendered as durable as tin, so that the skin will not chap. The following mixture will not do this, but according to the *Times and Register*, it is more serviceable than those usually employed:

R Menthol..... 12 grains.
Salol..... 30 grains.
Olive oil..... 30 minims.
Lanolin..... 12 drachms.

At any rate, it is a new mixture of new remedies.

The disinfection of dwelling houses where cases of infectious diseases have occurred is quite a common procedure, especially in the cities, and any one who has had any experience in such work knows how anxious the average family is to "straighten things up" and reoccupy a room. Therefore, the following from the Minnesota Board of Health is timely:

Mind one important point, especially as respects diphtheria. After disinfecting a room, or house, see that no moist, damp places remain. Have floor, walls, closets, every bit of wood work thoroughly dry, before occupation of the room again, and put off such occupation by children as long as possible.

To prevent bed-sores, Dr. Forbes recommends washing the parts with the following mixture:

R Chloride of sodium.. 4 drachms.
Alum..... 4 drachms.
Water..... 8 fluidounces.
Alcohol..... 2 fluidounces.

Mix.

Those minor but troublesome irritations of the skin, such as chapping, insect bites, etc., are now to be treated with cocaine. The *British Medical Journal* proposes the use of cocaine pencils. These are cocoa butter with two per cent. of the alkaloid. Of course, such an application is superior to the use of the solution, as the cocoa butter will act as a protection.

Scabies are now treated with phenolized oil, which is employed as a local application. The oil is one part of phenol to fifteen of olive oil.

To straighten up after a debauch, Dr. Brinton recommends the following dose:

B Spirit. ammon. aromatic.. 3 fluidrachms.
Tinct. capsici..... 1 fluidrachm.
Tinct. lavender..... 4 fluidrachms.
Sod. mint..... 2 fluidounces.
Tinct. opii camphor..... 90 minims.

Misce.

A tight collar may be a necessity to the modern dude, but it is not conducive to good eyesight. The effect of the stricture on the circulation of the blood injures the eyesight as has been demonstrated by experiments.

Moles have many sure cures, but somehow they continue to annoy those who consider themselves disfigured by them. The latest cure is painting the mole with sodium ethylate, a fine glass rod being used: When the mole has a varnished look, the ethylate is gently rubbed in with the glass rod to make it penetrate more deeply. The mole turns nearly black, and a hard crust forms over it,

which is nearly three weeks in becoming detached. When it comes off, the mole is much lighter than before, and this treatment can be continued until the mark is scarcely noticeable.

Odorous perspiration can be prevented, according to reports, if the offending particles are powdered with lint steeped in the following mixture:

B Amyium..... 2 ounces.
Bismuth subnitrat..... 4 drachms.
Potassii permanganat.... 3 drachms.
Talcu..... 90 grains.

Misce.

Garden rhubarb may be food for the majority but is evidently poison for a few persons; it produces bloody urine and other kidney troubles, owing to the formation of oxalate of calcium. The drinking of hard water is favorable to the trouble. As the poisoning seems to be an idiosyncrasy with some individuals, it is well to watch children when eating this article of food and learn if it affects them. An examination of the urine will show the first symptoms.

The loss of the eyesight is one of the most deplorable afflictions that befall the human race. One of the sources of such trouble which midwives and many physicians overlook, is some womb or vaginal disorder. Recent statistics show that 71.99 per cent. of those who go blind during the first year of life have lost their sight through troubles which may be traced to local parental causes. Any womb or vaginal disorder should be, if possible, cured before the birth of the child.

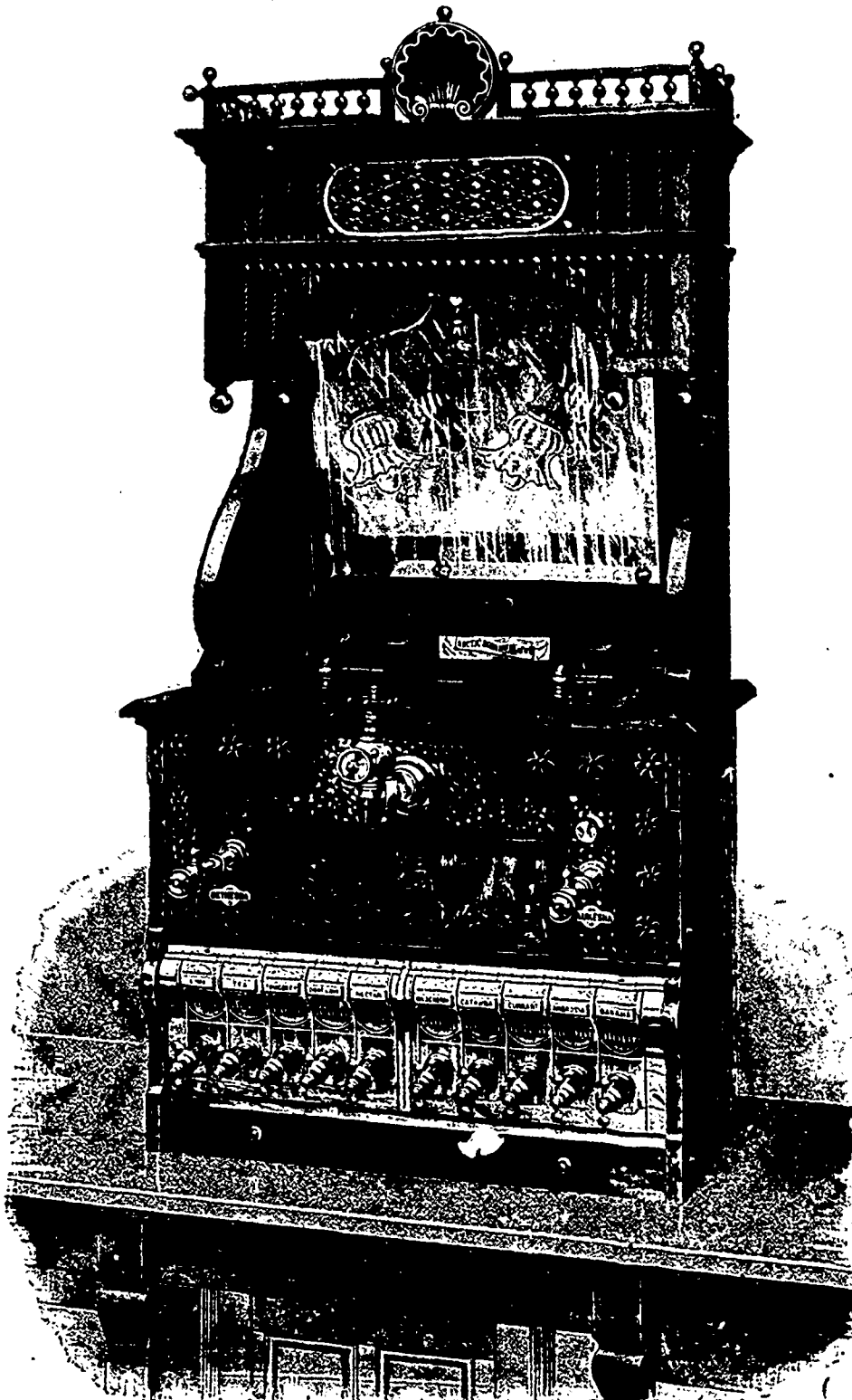
The very mention of the word calomel in a prescription where it is associated with other chemicals causes the pharmacist to study and see if an impatible mixture is not ordered. The fear of converting the comparatively harmless calomel into the deadly corrosive sublimate also agitates the minds of the physicians. Some of the French doctors are now putting forth the theory that the change takes place at the temperature of the human body after the chemical had been taken. If true, this may explain some "dispensing accidents." At any rate it is another straw for the unfortunate druggist to catch at.

Sweeter than saccharin. Methyl-saccharin is the name given the new substance which is said to be sweeter than saccharin. It has the chemical formula, C₆ H₃ Cl₃ SO₂ CO. NH. It is almost insoluble, but like saccharin is rendered more soluble by alkalis. The colorless crystals melt at 24° C. As far as we know, the new substance is not a commercial article.

The charge made that saccharin is injurious to health has not been sustained by experiment. It is now surmised that the sugar manufacturers started the report for the sake of injuring a new competitor.

Whitewash destroys the microbes of cholera and typhoid fever, if recent experiments can be relied on. No other microbes were affected by the whitewash, so it is not of general use as a germicide. —*Druggists' Bulletin*.

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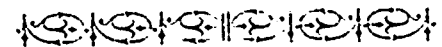
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HOLIDAY - GOODS

—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.

Flush 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.

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Turkey and Honey Comb Sponges, 250 Cases.

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A splendid variety to select from.

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SPECIAL PRICES ON PILLS (S. C.)

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We are glad at all times to give quotations.

TRADE NOTES.

Dr. Corlis, Drumbo, has sold out.
 J. Wade, druggist, Pt. Stanley, is dead.
 J. K. Beint, druggist, of Halifax, N. S., is dead.
 J. P. Kidd, Barrie, Ont., has sold out his drug business.
 J. A. McDonald, druggist, of Dalhousie, N. B., has failed.
 E. J. Kelly, druggist, Elmvale, Ont., has been burned out.
 Dr. Stoyte has opened at Souris, Man., in stationery and toys.
 Mrs. Susan Dennison, drugs, etc., Bridgetown, N. S., has sold out.
 A. E. Munsen, of Shoal Lake, Man., is opening a drug store at Carberry.
 G. A. Mitchell, Port Hope, Ont., has sold to J. Wilson, of Cobourg.
 DeBlois & Primrose, drugs, etc., Bridgetown, N. S., dissolved Jan. 1st, 1891.
 P. Daly & Co., drugs, Edmonton, N. W. T., advertise their business for sale.
 Chas. R. Sneath, St. Marys, Ont., has sold out to — Sanderson, of Brantford.
 The old established firm of J. G. King & Co., of Kingston, Ont., have dissolved.
 Harris & Horsfall, Yarmouth, N. S., drug and stationery stock damaged by fire and removal.
 Dr. E. A. C. Smith, Ripley, Ont., has sold his drug business to Dr. D. F. Smith, of the same place.
 Fraser & Gunn, Woodstock, have dissolved partnership, Mr. Geo. Fraser continuing the business.
 Fancy goods dealers at Portage la Prairie report larger sales during the past season than in previous years.
 J. W. Elliot, Chatsworth, died suddenly Dec. 15th. He served his apprenticeship with Mr. Hickson in Seaforth.
 Thos. Hey, Ailsa Craig, Ont., has sold out to Dr. D. A. Stewart also of Ailsa Craig, who will combine the two stocks.
 Walter Madill, formerly manager of the Rossin House Drug Store, Toronto, has taken a position with W. J. Mitchell, Winnipeg.
 J. W. Brayley, Montreal, has admitted his sons, R. E. and S. M. Brayley, into partnership. Style of firm is now Brayley, Sons & Co.
 Dr. C. E. Carthew has purchased the drug stock of the Qu'Appelle, Assiniboia, Medical Hall, and added it to his drug store at the same place.
 W. Gaynor, Toronto, has bought out J. H. Belfry, 340 College St., removed it to 382 College St. (cor. Borden) and has opened out a fine new store.
 Geo. Thompson, late of Canmore, has purchased the stock and good will of the drug business of P. Daly & Co., Edmonton, N. W. T., and will continue it in the same stand.

An effort is being made to affiliate the Pharmaceutical Association of Manitoba with the Medical College, so as to enable students in pharmacy to attend certain of the lectures delivered at the college.

T. S. Hoffman & Co, Berlin, have sold out their business to the junior partner, C. E. Hoffman, who will continue the business. J. S. Hoffman will give his undivided attention to the telephone interests.

The wholesale drug houses of New York have united to form a Drug Section of the New York Board of Trade and Transportation. The list embraces fifty-one houses, all of them more or less well known to the trade of the whole country.

We notice John Urquhart is re-elected Mayor of Oakville; W. H. Lutz, re-elected Mayor of Galt; T. P. Smith, Reeve of Elora; R. A. Duncan, Reeve of Embro; John Henderson, of Lyman Bros. & Co., Toronto, re-elected School Trustee of St. Lawrence Ward by acclamation; J. A. Wallace, Brantford, elected Alderman.

Waterloo Drug Association.

A meeting was held in Galt on Thursday, January 8th, for the purpose of forming a Drug Association for the County of Waterloo. A good representation from the drug interests of the County, and a large number from Toronto, Hamilton, Guelph, Brantford and other points outside the county were present, showing the increasing interest taken in the formation of such associations.

Mr. G. A. McCann, of Toronto, was appointed Chairman, after which Mr. Clark, Case and Jarvis, of Hamilton, addressed the meeting on points of interest. Messrs. McKenzie, McCann, and others from Toronto and Guelph, related a variety of interesting experiences, and Messrs. Petrie and Smith, of Guelph, described the workings of their association and the benefits derived from it.

An Association was formed with S. Snyder, of Waterloo, as President, and R. Ferral, Galt, Secretary *pro tem*; to meet at Berlin on February 6th to arrange prices and adopt a constitution and by-laws.

The county druggists feel deeply grateful to the many outsiders who came to Galt to help on the work.

Hamilton District Pharmaceutical Association.

At the last regular meeting of the P. A. H. D. held on Dec. 12th, there was a large attendance of the members when the following resolution was carried by unanimous vote:

That this association highly approves of the course taken by the representative from this district, Mr. John A. Clark, at the Council Board of our College. We believe that the action of the Council has been for the advancement of the College and for the best interests of the druggists in the Province.

J. W. SUTHERLAND, Sec'y.

Ontario College of Pharmacy.

The semi-annual meeting of the Council for the purpose of granting certificates of competency in accordance with section eight of the Act respecting Pharmacy, and for general business, will be held in the city of Toronto, on Tuesday, the 3rd day of February.

Vasolin Pomado With Medicinal Extracts.

M. Pepy, pharmacist of Cambrai, suggests the following plan of preparing pomades of the medicinal extracts. He takes extract of rhatany as an example: Any desirable quantity of the extract is placed in a capsule, and just enough water is added to soften the same to the consistency of a pomade. Cover the whole with vaseline, and heat until the latter becomes limpid, withdraw from the fire, let cool for an instant, and then mix by stirring with the spatula until the mass becomes homogeneous. By this method the formation of a pellicle is avoided, and the entire operation simplified and facilitated. Any pomade may thus be prepared, and lard may be used instead of vaselin.—*Australasian Journal of Pharmacy.*

METHYLAL AS A SOLVENT FOR ODOROUS PRINCIPLES.—It has long been tried to extract the odorous principles from flowers by some volatile body from which the principles may be separated, in place of extracting with fats by maceration or enflourage, as is usually done, but all attempts have been unsatisfactory. Methylal is lately recommended as a very good solvent; its boiling point is very low, 42° C., and it is easily volatilized, so that its application in extracting the perfume from delicate flowers is admissible. Practical trials have been made with violets, one of the most delicate flowers we have, and the good results obtained lead us to the assumption that methylal will soon find employment for the above purpose in an extended degree.—*Chem. Ztg.*

A NEW INSECT POWDER.—At a recent meeting of the Berlin Pharmaceutical Society Mr. T. Waage spoke about a new drug imported from Venezuela as a substitute for insect powder. This consists of the powdered leaves of *Croton flavens*, a plant of which there are several varieties indigenous to the West Indies and the northern part of South America. The plant referred to is believed, however, to be *C. flavens*, var. *balsamifer*. The leaves and young twigs of the plant are whitish-yellow or rusty colored and downy. The odor of the leaves is peculiar, but not disagreeable, and when rubbed the drug recalls the odor of sage. The powder irritates the epithelium, and, according to Dr. Thoms, who is an authority on insect powder, it contains fatty and essential oils, tannin, and phloroglucin.

Of the 6,000,000 ounces of quinine produced annually, more than fifty per cent. is consumed in the United States.

CORRESPONDENCE.

Correspondence is invited from all members of the profession. We do not hold ourselves responsible for opinions of correspondents. All communications must have the name of the writer attached, not necessarily for publication, but as a guarantee of good faith. Any nom de plume may be used for publication. Write only on one side of the paper, and be concise.

To the Druggists of Ontario:

GENTLEMEN,—I will give a short history of that part of the Ontario College of Pharmacy that alludes to the teaching department, and some information that, I believe, has not before appeared in print.

In 1867, when confederation became almost a certainty, various measures were discussed that it was expected would be brought before the Dominion Parliament, and among others one for the consolidation of medical interests. In this bill it was proposed to regulate the practice of pharmacy by compelling all who engaged in that occupation to pass an examination before a board composed of physicians, and to pay such fees as they would establish.

This aroused the indignation of the druggists, especially those in Ontario, and in May, 1867, the druggists in Ottawa formed a society for united action, and to give more influence to any movement that might be made in order to defeat this, to them, unfair bill. A similar society was formed in Toronto the following September.

These two societies united in 1868 and gained additions to their numbers from other parts of the Province and commenced the publication of a trade journal. The number of members of this society was about 300,

They attempted to obtain the passing of a bill by the Dominion Parliament in 1868 and 1869, but without success. This was abandoned and in the fall of 1869 provincial legislation was sought and obtained in 1871.

Although the Pharmacy Act incorporated all the druggists of the Province in an association termed Ontario College of Pharmacy, there was no school at which students could obtain instruction, conducted by the Association. It was simply an executive board to carry out the provisions of the Act by examining those who desired to engage in the occupation of druggists as to their knowledge of the drugs and poisons that they would require to handle in the business, and also to prevent by the provisions contained in the Act, from engaging in the business those who were not so qualified.

The first account we have of the formation of a regular class of instruction was in the fall of 1873, when Mr. Thos. Heys gave instruction to three students, then resident in Toronto, on the subjects required to pass the Pharmacy examination.

These students were successful and others applied for the same tuition; this continued for a year or more and Mr. Heys was obliged to obtain a room to accommodate the number of students that

were seeking instruction. The school was then removed to the old school building in Queen's Park.

In 1876 Mr. Heys placed an advertisement in the College journal calling attention to this school. The number of students steadily increased until there were in attendance at some of the terms 35 to 38 students.

This school of Pharmacy was removed to a flat on King street and the number of students continued to increase, there being in attendance 24 to 25 students during the summer terms, and 46 to 50 during the winter terms.

All the expenses of the school were paid by Mr. Heys and those associated with him, such as rent, advertising, gas and supplying apparatus and chemicals.

There were others who gave instructions to classes in 1877, '78 and '79, but these were not continued.

In February, 1882, the Council passed a resolution granting a sum of money for purchasing fittings, apparatus, specimens, specimen bottles, chemicals, &c., and gave free use of the rooms with heating, cleaning, &c., to Mr. Shuttleworth and others, who were to conduct a school under the directions of the Council, the teachers to be remunerated by the fees from the students.

The first advertisement of this school appeared in the journal of March, 1882, and the opening of school, April 4th. Owing to the short notice, only a few weeks, the number of students at the first term was small.

Then Mr. Shuttleworth advertised—

"This is the only authorized school of pharmacy in Ontario, and is carried on directly under the auspices of the College."

Mr. Shuttleworth was also a member of the board of examiners appointed by the Council, to examine the pupils taught by Mr. Shuttleworth as teacher, and as his name appears first on reports from the examiners, it may be assumed that he was also chairman of the Board of examiners.

For the second term the students deserted Mr. Heys's school and attended the one of which Mr. Shuttleworth was director, and which was aided by the influence of the Council. In the competition for students Mr. Heys was placed at a marked disadvantage and in 1883 discontinued his classes.

The success of a school of pharmacy, as far as number of students in attendance are concerned, was assured and made by Mr. Heys before Mr. Shuttleworth and others commenced the instruction under the auspices of the Council.

We will now trace the number of students in attendance, and fees paid from 1882 to 1889.

1882.	
Spring term, 41 students, fees \$30. . .	\$ 630 00
Winter term, 43 students, fees \$36 . .	\$1548 00
	\$2178 00

1883.	
Spring term, 41 students, fees \$36. . .	\$1476 00
Autumn term, 44 students, fees \$36 . .	1584 00
	\$3060 00

1884.	
Spring term, 43 students, fees \$36. . .	\$1548 00
Autumn term, 49 students, fees \$36 . .	1764 00
	\$3312 00

1885.	
Spring term, 53 students, fees \$36. . .	\$1908 00
Autumn term, 48 students, fees \$36 . .	1728 00
	\$3636 00

1886.	
Spring term, 62 students, fees \$36. . .	\$2232 00
1886-87.	
Autumn term, 57 students, fees \$36; portion retained by College \$186.50, paid to teachers	1686 50
1887 Spring term, 72 students, fees \$40 portion retained by College \$629, paid to teachers	2130 00
	\$3817 50

1887-88.	
1887 Junior (autumn) course, 57 students, fees \$48.	\$5080 00
1888 Senior (spring) course, 53 students, fees \$48.	
Portion retained by College \$1040, paid to teachers	4040 00

1888-89.	
1888 Junior course, 63 students, fees \$40	\$7776 00
1889 Senior course, 53 students, fees \$60	
Portion retained by College \$1388, paid to teachers	4388 00

The number of students and amount for fees is taken from the annual announcements.

What is the average amount received each year by the teachers?

From spring, 1882, to autumn, 1886, all the fees were given to the teachers as follows:

1882	\$2178 00
1883	3060 00
1884	3312 00
1885	3636 00
Spring term 1886	2232 00
	\$14418 00

Deduct from this amount 5 per cent., being for reduction in fees to those who had attended any previous term at the school, or only took part of the course, and this 5 per cent. is more than what is shown to be the difference for such in the years 1887-8 and 1888-9.

This will make \$14418.00 - \$720.00 = \$13697.10.

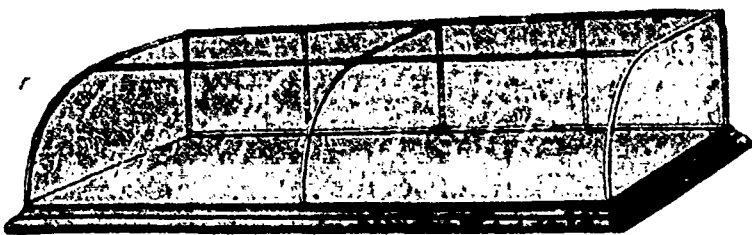
In 1882 the expenses for chemicals, printing, advertising, cleaning, &c., were paid out of the grant from the Council.

From the spring of 1883 to the spring of 1886 these expenses were taken out of the fees. The average of these expenses would be about \$100 per annum; for 4½ years being \$450, or say \$500. Deducting this \$500 from \$13697.10 will give \$13197.10; to this add the sums received by the teachers from autumn, 1886, to spring, 1889, inclusive, which will be

\$13197 10
3817 50
4040 00
4388 00
\$25442 60

For 15 terms, or 7½ years, the teachers received for their services \$25442.60, or an annual average of \$3392.35.

The amount due to all the teachers for two terms 1887-8 namely, \$4040.00, was



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paid to Mr. Shuttleworth, and he divided with the others according to a "private" arrangement, but the amount due to teachers for two terms 1888-9, \$4388.00, was divided by Mr. D'Avignon, for Mr. Shuttleworth, as follows:

E. B. Shuttleworth.....\$2413 40
Dr. O. R. Avison..... 1316 40
F. T. Harrison..... 658 20

This being

E. B. Shuttleworth...55 per cent.
Dr. O. R. Avison...30 per cent.
F. T. Harrison.....15 per cent.

If the same division was followed in former years, of which there is no records, Mr. Shuttleworth has received an annual average since 1882 of 55 per cent of \$3392.35, being \$1865.78, for his services as teacher in the school.

The average number of students in attendance on each term from 1882 to 1889 was 51.

In the division of the \$4388.00 in 1889 Mr. Harrison would not accept the amount offered him by Mr. D'Avignon, \$658.20; but the amounts, as settled between Mr. Shuttleworth and he, was as follows:

E. B. Shuttleworth.....\$2363 40
Dr. O. R. Avison..... 1283 07
F. T. Harrison..... 741 53

Upon reading the information herein given you can readily see that the work of instituting a school of pharmacy and bringing up the number of students in attendance to a position in which it could be said to be remunerative to the teachers, was accomplished before the school was undertaken by Mr. Shuttleworth under the auspices of the Council.

I would have given this information to the members of the College in October, but was absent from Canada until December—over two months.

Yours respectfully,

JOHN A. CLARK.

Hamilton, December 22nd, 1890.

To the Editor of the CANADIAN DRUGGIST:

DEAR SIR,—Allow me briefly to acknowledge and accept Mr. John E. Tremble's answer to my question, re his communication in the *Journal* for November. I will just as readily accept one from Mr. Douglass should he offer one.

I would now ask Mr. Tremble to explain the heading of his communication, "Another falsehood nailed," and the phrase, "It is absolutely false." What falsehood has he nailed? What is it that is absolutely false? The phrase he thus condemns, and which he designedly or ignorantly misquotes, contains neither a statement nor a charge, but is a direct question, as the interrogation mark shows, therefore cannot contain a falsehood.

For Mr. Tremble's information, and to relieve his anxiety for the welfare of the future student, I will state that I am not an applicant for a chair in the College, but even if I were, I cannot see how an aspirant for the vacant position can affect the future student. Those who remember Mr. John E. Tremble will agree with me

in saying that even he might be an aspirant without doing any harm. The remarks re anonymous communications is a very stale chestnut. I am,

Yours, etc.,

EX-STUDENT.

London, Dec. 11th, 1890.

The Addendum to the British Pharmacopœia.

The following additions to the pharmacopœia which have been finally sanctioned by the Pharmacopœia Committee of the Medical Council, will be found interesting and useful to our readers. They are taken from the *British and Colonial Druggist*, from an early copy of the work furnished by the editor, Professor Atfield.

The number of additions amounts in all to thirty seven, requiring, with crude drugs and their preparations, forty-four distinct paragraphs. Although in the official work these are treated of in alphabetical sequence, it will be more convenient, with the space at our disposal, to discuss them under three heads—namely, the bodies of definite chemical composition, the crude drugs, and the galenical preparations.

CHEMICAL COMPOUNDS.

Of these there are ten—acetanilid, (antifebrin), gluside (saccharin), homatropine hydrobromate, paraldehyde, phenacetin phenazone (antipyrene), picrotoxin, sodium benzoate, sodium nitrite, and sulphonal. It will be seen that no less than five of these are synthetical bodies of comparatively recent introduction into medicine; a fact which markedly indicates the prevailing tendency of medical fashion, and the favor with which these substances are regarded by therapeutists on all sides.

It may be useful to briefly enumerate the official characters, tests and doses of these ten substances.

ACETANILID.—Obtained by action of glacial acetic acid on aniline. Colorless, glistening, scaly crystals, taste slightly pungent; neutral. Melts at about 235° F. Solubility in cold water about 1 in 200; 1 in 18 in boiling water; freely soluble in rectified spirit, ether, benzol and chloroform. When burnt leaves no residue. Gives no color with sulphuric acid. Aqueous solution odorless; gives no color with ferric chloride; with potash and chloroform the unpleasant odor of phenyl-isonitrile is developed.

Dose.—3 to 10 grains.

GLUSIDE (commonly known as saccharine).—A sweet imide derivable from coal-tar toluene.

White minutely crystalline powder; intensely sweet in dilute solution. Heated it fuses and sublimes with partial decomposition. Slightly soluble in cold water, more so in hot. Very soluble in dilute solution of ammonia, and in solution of sodium bicarbonate evolving carbonic acid gas. This solution when neutral and evaporated to dryness yields "soluble saccharin," 100 parts of saccharin giving nearly 113 parts of soluble salt; neither

saccharin or the salt are blackened by strong sulphuric acid, even when warmed. After fusing with soda, the aqueous solution gives, when acidulated with hydrochloric acid and treated with ferric chloride, a purplish-brown color.

HOMATROPINE HYDROBROMATE.—White crystalline powder or minute prismatic crystals, solubility in water 1 in 6, in absolute alcohol 1 in 133. Dilates pupil of eye; leaves no residue on burning. Dilute solution treated with chlorine water and chloroform, the latter is colored brown. A two per cent. solution is not precipitated by addition of excess of dilute ammonia. Moistened with nitric acid and evaporated to dryness on a water bath, the residue is colored yellow by alcoholic potash. If the alkaloid is set free with ammonia, removed with chloroform, and separated, the residue left on evaporating the chloroform will turn first yellow and then brick-red when warmed with a two per cent. solution of mercuric chloride in proof spirit.

Dose.— $\frac{1}{10}$ to $\frac{2}{10}$ grain.

PARALDEHYDE.—Clear, colorless, neutral liquid, with characteristic odor, burning and cooling taste. Sp. gr. 0.998. Boils at 255.2° F. Congeals to crystalline mass at 50° F. Solubility in water 1 in 10 at 60° F.; less soluble in hot. Perfectly miscible with spirit or ether. Gives no coloration on standing with potash or soda, nor precipitate with barium chloride or with silver nitrate.

PHENACETIN.—Produced by action of glacial acetic acid on parphenetidin, a phenol derivative.

Colorless, tasteless, odorless, in scaly crystals. Melts at 275° F. Sparingly dissolves in cold water, more freely in boiling; soluble 1 in 16 of rectified spirit. Leaves no ash on burning. Gives no color with sulphuric acid. Boiled with excess of hydrochloric acid and diluted with ten times its volume of water, cooled and filtered, the solution gives a deep red color with chromic acid. A cold saturated solution not affected by bromine water. Gives no unpleasant odor when, after boiling with excess of potash, it is boiled with a little chloroform.

Dose.—5 to 10 grains.

PHENAZON (*Antipyrin*).—Colorless, odorless, scaly crystals, with bitter taste. Melts at about 230° F. Freely soluble in water, spirit and chloroform. Leaves no ash on burning. Neutral, not affected by sulphuretted hydrogen. Treated with nitrite of sodium, and acidulated with dilute sulphuric acid, it gives a green solution. A dilute solution, mixed with nitric acid, gives a yellow tint to crimson on warming. Gives a deep red color with ferric chloride discharged by excess of sulphuric acid.

Dose.—3 to 20 grains.

PICROTOXIN.—Obtained from *Anamerte paniculata*. Colorless, odorless, prismatic crystals, with bitter taste. Melts at 378° F. .1 soluble, in 330 in cold water, 1 in 35 on boiling; 1 in 3 of boiling, and 1 in

To Council Electors.

In attempting to give a history of Council affairs since the late revolutionary period, it will be necessary to make reference to actions antedating this time, in order that some definite explanation of the cause of many of the late troubles may be given.

The writer, though no more impartial in opinion than those who will read these articles, does not intend to asperse in any direct manner the honorable intentions of any of the gentlemen holding leading positions and opposite opinions regarding the question now agitating the electorate; and should he appear to do so by implication, it will only be as an accompaniment to an opinion which he endeavors to advance and sustain.

No offence to any one, is intended in this page: open and adverse criticism when made, must not be accepted as such, as this must be considered entirely aloof from ordinary communications.

As a preface we may state what every Druggist will agree with, that the incorporation of Druggists as a protective body, having power to govern themselves by representation under the Pharmacy Act of 1884 and subsequent amendments, has been of inestimable value to them.

It has placed the business of the Pharmacist on a legal basis with that of other professions.

It secures his business from invasion by those incompetent to conduct it, and thus insures the safety of the public who are obliged to purchase what he alone is legally qualified to supply.

It gives each Druggist, through his elected representative, power to legislate under by-law for the government of Council and College affairs, thus enabling him to guard his individual interests while keeping in touch with interests common to the body of which he is a member.

Granting then that the principle of representation is good, that the power to legislate delegated under it is good, you then of necessity must admit that those so elected to legislate and govern on your behalf are entitled to your undivided support, so long as they do not exceed the legal powers secured them by such election; power to hold, on your behalf, sole control of the real and personal property of the College; power to divide the province into districts for representative purposes; power to prescribe the subjects upon which candidates for certificates of competency shall be examined; to establish a scale of fees to be paid by persons applying for examination, power to make by-laws, rules and orders for the regulation of their own meetings and proceedings, and those of the College: for the remuneration and appointment of examiners and officers of the College, and for defining their duties and the amount of remuneration they are entitled to for their services, and power to regulate any other matters that may be necessary in carrying out the provisions of the Pharmacy Act, and the by-laws subordinate to it.

Although there may be a difference of opinion relative to Election matters existing at the present time, the Druggists of Canada must certainly agree that the Preparations on page 17 gives entire satisfaction to both Druggist and Consumer.

(To be continued.)

13 of cold rectified spirit; 1 in 10 of solution of potash. The alkaline solution reduces Fehling's solution. Leaves no residue on burning. Gives no precipitate with mercuric chloride, palatinic chloride, or tannic acid. Dissolves in sulphuric acid with pale saffron color.

Dose.— $\frac{1}{10}$ to $\frac{3}{8}$ grain.

SODIUM BENZOATE.—Prepared from benzoic acid and carbonate of sodium, evaporating to dryness. White, slightly crystalline or amorphous powder; odorless or having faint benzoic odor, sweet taste, faintly alkaline reaction. Very soluble in water; soluble 1 in 24 in cold rectified spirit, 1 in 12 in boiling. Incinerated, ten grains leave 3.68 grains residue, requiring 69 to 70 grain measures of oxalic acid to neutralise. Gives a yellowish or pinkish precipitate with ferric salts.

Dose.—10 to 30 grains.

SODIUM NITRITE.—White, or yellowish-white deliquescent crystalline salt. Very soluble in water. Neutral or slightly alkaline, evolves red fumes with sulphuric acid on contact with air. Gives deep brown color when mixed with solution of ferrous sulphate and acetic acid. One grain of salt dissolved in water, and introduced into a nitrometer, should liberate 325 grain measures of nitric oxide, when treated with iodine of potassium and diluted sulphuric acid, the gas being entirely absorbed by strong solution of ferrous sulphate, equivalent to not less than 95 per cent. of nitrite of sodium. Should not give more than traces of precipitate with calcium chloride.

Dose.—2 to 5 grains.

SULPHOXAL.—Colorless, odorless, nearly tasteless crystals; melts at 258 F.; neutral; soluble 1 in 15 of boiling water; 1 in 450 of cold water; 1 in 50 in cold rectified spirit; very soluble in boiling alcohol; readily so in ether. Burns without leaving ash. Heated with cyanide of potassium evolves the odor of mercaptan, and when this is treated with water and an excess of hydrochloric acid and ferric chloride added, a reddish color is developed.

Dose.—15 to 40 grains.

CRUDE DRUGS.

Of these there are ten included in the new work; wool fat, eucalyptus gum, euonymus bark, gelatine, hamamelis bark, hamamelis leaves, hydrastis rhizome, oil of cade, stramonium leaves and strophanthus. Although most of these articles are familiar to our readers, it is well to briefly enumerate the official characters.

WOOL FAT.—The purified cholesterol fat of sheep's wool. Yellow, tenacious, unctuous, almost odorless, melts from 101 to 111 F.; readily soluble in ether and chloroform, sparingly in rectified spirit. Ten grains entirely dissolved in fourteen fluid drachms of boiling alcohol, the greater part separating on cooling. Leaves but a trace of ash on burning. Fifty grains dissolved in ether and two drops of

solution of phenol-phthalein added should not require more than two grain measures of standard soda solution to produce red coloration. Chloroformic solution gives a red color with sulphuric acid. Evolves no ammonia with soda.

EUCALYPTUS GUM.—A ruby red exudation from bark of *Eucalyptus rostrata* and some other species.

From 80 to 90 per cent. soluble in cold water; solution neutral; almost entirely soluble in rectified spirit.

Dose.—2 to 10 grains.

EUONYMUS BARK.—The root bark of *Euonymus atropurpureus*. In curved quilled pieces from $\frac{1}{2}$ to $\frac{1}{2}$ of an inch thick; outer surface light ash gray; dirty white where rubbed; soft and friable. Inner surface, when free from white wood, is pale, tawny white, and smooth. Fracture finely fibrous, middle layer laminated; longitudinal fracture smooth. Odor faint; taste at first mucilaginous, then slightly bitter and acrid.

GELATINE.—Produced by action of boiling water on gelatinous animal tissues. In transparent sheets or shreds. Solution in hot water colorless and odorless, setting to a jelly on cooling. It dissolves in acetic acid. Aqueous solutions not precipitated by dilute acids, alum, lead acetate, or ferric chloride; precipitated by tannin.

HAMAMELIS BARK.—Bark of *Hamamelis Virginica*. In curved or quilled pieces from two to eight inches long, and about one-tenth of an inch thick; covered with silvery grey or whitish, easily detached, scaly outer bark, marked with lenticels. Internally, cinnamon brown, finely striated; fracture, coarsely fibrous; tough; slightly astringent.

HAMAMELIS LEAVES.—The dried leaves of *Hamamelis Virginica*. Petiole short, lamina from 4 to 6 inches long, oval, obtuse, wavy, crenate, narrowed below. Oblique and slightly heart-shaped at base; pinnately veined veins on underside prominent. Odor, tea-like; taste, astringent and bitter.

HYDRASTIS RHIZOME.—Rhizome and rootlets of *Hydrastis Canadensis*. From one half to one and a half inches long and from one eighth to half an inch thick, irregularly twisted; upper surface marked with scars from stems, lower surface gives off rootlets; color, yellowish-brown; fracture resinous, with bright yellow centre.

OIL OF CADE.—A tarry, oily liquid, obtained by destructive distillation of wood of *Juniperus oxycedrus* and other species. A reddish brown or black viscid oily liquid, with empyreumatic-odor and bitter acrid taste; sp. gr. about 0.990. Soluble in ether and chloroform; partly soluble in cold, almost wholly in hot rectified spirit; sparingly soluble in water. The filtered aqueous solution is almost colorless and is acid.

STRAMONIUM LEAVES.—Dried leaves of *Datura stramonium*. Ovate-petiole about six inches long, smooth-pointed, un-

equal at the base; one side decurrent down petiole; coarsely angular; toothed, minutely wrinkled; odor, faintly narcotic; taste, bitter.

STROPHANTHUS.—The mature ripe seeds of *Strophanthus hispidus* var. *Kombe*, freed from awns. Oval, acuminate, about three fifths inch long and one-sixth inch broad; base narrow and blunt; apex, when perfect, tapering to a fine extremity; sides flattened, the dorsal surface convex, color greenish fawn, covered with appressed silky hairs, one side with longitudinal ridge from centre to apex. Kernel white and oily, consisting of two straight cotyledons; albumen thin; taste very bitter; seed coat easily removed after soaking.

GALENICAL PREPARATIONS.

Of these seven out of twenty-three are adapted from the Unofficial Formulary of the British Pharmaceutical Conference. One or two of the others are familiar to all pharmacists, notably the "scidlitz powder," which is now designated *Pulvis sodæ tartarata effervescentes*. A new feature is the inclusion of effervescent granular preparations. As these articles are increasing rapidly in demand it is well to have some official and definite formulae for them. Probably in the next Addendum this class might be still further increased.

ACETUM IPECACUANHA.—

Take of

Ipecacuanha in No. 20 powder. . . 1 oz.
Diluted acetic acid sufficient to
produce 20 fluid ozs.

Moisten, macerate 24 hours, then percolate to required volume.

Dose.—5 to 46 minims.

(The strength of the acetic acid is slightly altered from the original B. P. C. formula, from 1 to 9 to 1 to 7. The preparation now, however, remains very unsightly, inelegant, and unstable, although it is medically active.)

ADIPS LANA HYDROSUS—("Lanoline.")

Take of

Wool fat 7 ozs.
Distilled water 3 ozs.

Melt the wool fat in a warm mortar, stirring in the water gradually.

When heated it separates into an upper oily and a lower aqueous layer. Should not lose more than 30 per cent. when dried. Residue should answer the tests for wool fat.

EMP. MENTHOL.—

Take of

Menthol 2 ozs.
Yellow wax 1 oz.
Resin 7 ozs.

Melt the resin and wax together, and as the mixture cools stir in the menthol until dissolved.

EXTRACTUM EUONYMI SICCUM—(EUONYMIN.)—

Take of

Euonymus bark 1 lb.
Rectified spirit }
Distilled water } . . of each a sufficiency.
Sugar of milk }

Moisten the bark with equal parts of

UNDER PATRONAGE OF U. S. GOVERNMENT.
ESTABLISHED 1850.

HERMAN BECKER.

FREDERICK BAXTER.

The Philadelphia Truss Company!

(Successors to S. S. Ritter & Co.) Inventors and Sole Manufacturers of

THE CHAMPION TRUSS

AWARDED GOLD MEDAL AT NEW ORLEANS. AWARDDED SPECIAL MEDAL AT CENTENNIAL.

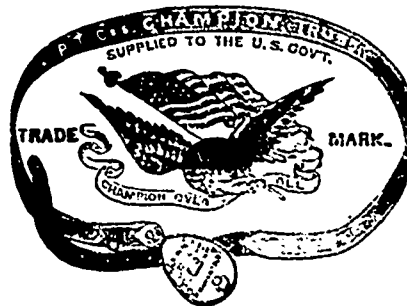
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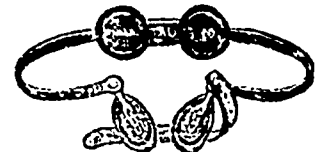
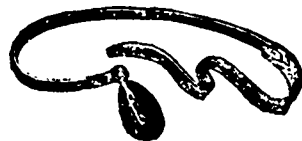
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Hard Rubber Trusses, Supporters, &c.



The Philadelphia Truss Co.'s Genuine are made from "Rubber" specially cured for "Trusses," and less liable to crack or peel off than other makes. The Springs are made of a superior quality of "Malleable Ste. I." and can be bent or shaped to fit any form of body. We make the most complete line of the finest finished goods ever offered to the trade, and at prices from 25 to 50 per cent. lower than any other house.

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E. I. SANDALWOOD,

BALSAM COPAIBA,

HAARLEM OIL,

OIL OF CASSIA AND SODA CARBONATE, C. P.

Each Capsule Containing 10 Minims.

LIST No. 17.
ELASTIC FILLED.

Size A—1 dozen in box.
" B—2 " "
" C—3 " "
" D—100 " "

LIST No. 128.
HARD FILLED.

Treatment same as in E. I. Sandalwood.

PRESCRIBED BY PHYSICIANS EVERYWHERE.

In Prescribing or Ordering Specify MERZ.

Send for Formula List of Standard and Special Formulae.

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

THE MERZ CAPSULE CO.,

Detroit, Mich.

rectified spirit and water; pack in percolator and exhaust with same menstruum. Distil off the spirit, determine amount of moisture in the soft extract, and add sugar of milk equivalent to one-fourth the weight of the total dried extract, then evaporate over a water bath until the mixture becomes brittle when cold. It may be powdered and kept in a well-corked bottle.

Dose.—1 to 4 grains.

EXT. HAMAMELIDIS LIQUIDUM.—

Take of

Hamamelis leaves in No. 40 powder . . . 20 ozs.
Rectified spirit } . . . of each a sufficiency
Distilled water }

Moisten the dung with a mixture of one part spirit and two of water. Pack in percolator and saturate with menstruum. Macerate for forty-eight hours, then exhaust, reserving the first 17 fluid ounces; recover spirit from remainder and evaporate to soft extract; dissolve this in the reserve, and make final volume one pint.

Dose.—2 to 5 minims.

EXT. HYDRASTIS LIQUIDUM.—

Take of

Hydrastis rhizome in No. 60 powder 20 ozs.
Rectified spirit } . . . equal parts a sufficiency.
Distilled water }

Proceed exactly as in the previous instance.

Dose.—5 to 30 minims.

LIQUOR COCAINÆ HYDROCHLORATIS.—

Take of

Cocaine hydrochlorate 33 grs.
Salicylic acid 1 gr.
Distilled water suffic't to prod' 6 fl. drms.

Boil the water, add the preservative, and, lastly, the alkaloidal salt. Make up to measure if necessary.

Dose.—2 to 10 minims.

LIQUOR MORPHINÆ SULPHATIS.—

Take of

Sulphate of morphine 35 grs.
Rectified spirit 2 fl. ozs.
Distilled water to produce 8 fl. ozs.

Dissolve the salt in some water, add the spirit, and make up to volume with water.

Dose.—10 to 60 minims.

LIQUOR TRINITRINÆ (solution of nitroglycerine, solution of glonoine.)—

Take of

Pure nitroglycerine 1 part by weight.
Rectified spirit 100 fluid parts.

Dissolve.—Specific gravity 0.844.

Dose.— $\frac{1}{2}$ to 2 minims.

MAGNESII SULPHAS EFFERVESCENS.—

Take of

Sulphate of magnesium in crystals . . . 25 ozs.
Bicarbonate of sodium in powder . . . 18 ozs.
Tartaric acid in powder 9½ ozs.
Citric acid in powder 6½ ozs.
Refined sugar in powder 5½ ozs.

The final product should weigh about 50 ounces. Dry the sulphate at about 130° until it has lost nearly one-fourth its weight; powder and mix with the sugar, then with the other ingredients. Heat mixture from 200°F. to 220°F., and granulate by stirring assiduously; sift, and preserve in well-stoppered bottles.

Dose.— $\frac{1}{4}$ to 1 ounce.

MISTURA OLEI RICINI.—

Take of

Castor oil 6 fl. drms.
Oil of lemon 10 minims.
Oil of cloves 2 minims.
Syrup 1½ fl. drms.
Solution of potash 1 fl. drms.
Orange flower water } . . . sufficient to produce
2 fluid ounces

Mix the oils in a mortar, then add one-third the potash, then the syrup, then another third of potash, then half the orange flower water, the remainder of the potash, and enough orange flower water to make two ounces.

Dose.— $\frac{1}{2}$ to 2 fluid ounces.

PIL. FERRI—(Blaud's Pills).—

Take of

Sulphate of iron 60 grs.
Carbonate of potassium 36 grs.
Powdered sugar 12 grs.
Tragacanth, in powder 4 grs.
Glycerine 2½ minims.
Distilled water a sufficiency.

Powder the sulphate of iron, add the sugar and tragacanth. Finely powder the potassium carbonate, and incorporate with the glycerine. Transfer this to mortar containing the first mixture, and beat it until it becomes uniform and green, and add water, if necessary; divide into five-grain pills. One pill contains about one grain of ferrous carbonate.

Dose.—1 to 4 pills.

PULVIS SODÆ TARTARATÆ EFFERVESCENS—(commonly known as "Seidlitz Powder.")—

Take of

Tartarated soda in dry powder . . . 120 grs.
Bicarbonate of sodium in dry powder 40 grs.

Mix and wrap in blue paper.

Take of

Tartaric acid in dry powder 38 grs.

Wrap in white paper.

Dose.—The former powder dissolved in nearly $\frac{1}{2}$ a pint of cold or warm water, and the latter powder then added.

SODII PHOSPHAS EFFERVESCENS.—

Take of

Phosphate of sodium in crystals . . . 25 ozs.
Bicarbonate of sodium in powder . . . 25 ozs.
Tartaric acid in powder 13½ ozs.
Citric acid in powder 9 ozs.

The final product should weigh about 50 ounces. Dry the crystals until they have lost 60 per cent. of the weight. Powder and mix with the other ingredients. Heat to between 200° and 220°, and granulate by constant stirring, sift and store in well-closed bottles.

Dose.— $\frac{1}{4}$ to $\frac{1}{2}$ ounce.

SUPPOSITORIA GLYCERINI.—

Take of

Gelatine, cut small $\frac{1}{2}$ oz.
Glycerine, by weight 2½ ozs.
Distilled water a sufficiency.

Put gelatine in tared dish and cover with water; let stand for a minute or two, then drain off water; set aside until quite soft; then add glycerine. Dissolve on water bath, and heat until mixture weighs 1,560 grains. Pour into moulds of suitable capacity. Each suppository

contains 70 per cent. by weight of glycerine.

SYRUP FERRI SUBCHLORIDI.—

Take of

Iron wire 300 grs.
Hydrochloric acid 2 fl. ozs.
Citric acid 10 grs.
Distilled water 10 fl. drms.
Syrup a sufficiency to make 1 pint.

Mix the acid with 1 ounce of water and dissolve the iron wire in the mixture in a flask, applying a gentle heat until action ceases. Then remove heat, add the citric acid and filter through paper into 10 fluid ounces of syrup. When drained, wash filter with remaining 2 drachms of water, and make up measure to 1 pint.

Dose.— $\frac{1}{2}$ to 1 fluid drachm.

TINCTURA HAMAMELIDIS.—

Take of

Hamamelis bark, No. 20 powder . . . 2 ozs.
Proof spirit a sufficiency.

Moisten the powder with the menstruum, and percolate to 1 pint.

Dose.—5 to 60 minims.

TINCTURA HYDRASTIS.—

Take of

Hydrastis rhizome in No. 60 powder 2 ozs.
Proof spirit a sufficiency.

Moisten the powder, macerate and percolate to 1 pint.

Dose.—20 minims to 1 fluid drachm.

TINCTURA STROPHANTHIL.—

Take of

Strophanthus reduced to No. 30 } 1 oz.
powder and dried at 110° F . . . }
Pure ether a sufficiency.
(Commercial ether free from alcohol or water
may be used.)
Rectified spirit a sufficiency.

Pack in a percolator; moisten with ether; macerate, and exhaust with more ether. When this is colorless remove the marc, dry it gradually, heating to 120° F. Again powder, repack, and exhaust by maceration and percolation until half a pint of tincture is obtained, then dilute with spirit to one pint.

Dose.—2 to 10 minims

TROCHISCI SULPHURIS.—

Take of

Precipitated sulphur 3,600 grains.
Acid tartrate of potassium . . . 720 grains.
Refined sugar 5,760 grains.
Gum acacia in powder 720 grains.
Tincture of orange peel 720 minims.
Mucilage of acacia 720 minims.

Mix the tincture with the powders; add the mucilage to form a suitable mass. Divide into 720 lozenges, and dry at moderate temperature.

Each lozenge contains five grain of sulphur.

Dose.—1 to 6 lozenges.

UNGUENTUM CONII.

Take of

Juice of hemlock 2 fl. ozs.
Hydrous wool fat $\frac{1}{2}$ oz.
Boric acid, in fine powder 10 grs.

Evaporate the juice at a temperature not exceeding 140°F to two fluid drachms. Add the boric acid and hydrous wool fat, and mix thoroughly.

GLYCERINUM PEPTICUM

(FAIRCHILD'S)

Gives a Clear, Bright, Agreeable Solution,

WITH

Water, Acidulated Water, Wines, Elixirs, Etc.

REQUIRES NO FILTRATION.

Is Economical, Reliable, Convenient, and in every way Superior to all other Soluable Forms of Pepsin.

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WHEN EVERY OTHER FOOD IS REJECTED,
A Cup of Hot Fluid Beef
WILL BE FOUND
**Palatable, Strengthening,
Grateful and Satisfying.**

"THE BEST OF AMERICAN MANUFACTURE."

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ESTABLISHED 1838.

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Hard and Soft Elastic CAPSULES All Kinds Filled.

Nine sizes: 3, 5, 10 and 15 Min., and 1, 2, 5, 10, and 15 Grain.

SOME SPECIALTIES.

SANDALWOOD, ERIGERON, CREASOTE, TEREBENE, COMPOUND SANDAL,
IODIDE ETHYL, WINTERGREEN, APIOL, MALE FERN, ETC.

PLANTEN'S SANDAL CAPSULES

Have an ENVIABLE World Reputation for Uniform Reliability.

IMPROVED EMPTY CAPSULES

For Powders, 8 Sizes. Liquids, 8 Sizes. Rectal, 3 Sizes. Vaginal, 9 Sizes.
Horses and Cattle (Oral) 6 Sizes. Horses and Cattle (Rectal) 3 Sizes.

CAPSULES FOR MECHANICAL PURPOSES.

A FULL LIST OF OUR SANDALWOOD OIL PREPARATIONS.

Sandal, Pure. Sandal and I-40 Cassia. Sandal and Cassia. Sandal C C and Mateo.
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Capsules to order. New Articles and Private Formulas a Specialty.

Capsuled Horse Balls, Veterinary, Condition Powders and Ointments to order

Specify **PLANTEN'S CAPSULES** on all orders.

Send for Samples and Formula Lists. Sold by all Druggists

UNGUENTUM HAMAMELIDIS.—

Take of

Liquid extract of hamamelis 50 minims.
Simple ointment..... 410 grs.

Mix thoroughly.

ADDITION TO APPENDIX II.

SOLUTION OF POTASSIO-CUPRIC TARTRATE
(commonly known as Fehling's Solution.)

No. 1.

Take of

Sulphate of Copper..... 346.4 grs.
Distilled Water..... a sufficiency.
Dissolve and dilute to 5,000 grain measures.

No. 2.

Take of

Caustic Soda..... 1½ ozs.
Tartarated Soda..... 4 ozs.
Distilled water..... a sufficiency.
Dissolve and dilute to 5,000 grain measures.

When required for use mix equal volumes of No. 1 and No. 2.

FORMULÆ.

PHOSPHORUS PILLS.—1500 parts of linseed in very fine powder thoroughly mixed with 30 parts of red phosphorus and sufficient fresh curd added to make a mass. The finished pills are dusted with wheat flour and kept in tin boxes.—*Phar. Post.*

HAIR OIL PERFUME.—

No. 1	Heliotropine.....	gr. 8
	Coumarin.....	gr. 1
	Oil of orris.....	gtt. 1
	Oil of rose.....	m. 16
	Oil of bergamot.....	m. 32
No. 2	Coumarin.....	gr. 1
	Oil of lemon.....	m. 16
	Oil of bergamot.....	m. 48
No. 3	Coumarin.....	gr. 1
	Oil of bitter almond.....	gtt. 2
	Oil of cassia.....	gtt. 2
	Oil of lavender flow.....	m. 32
	Oil of lemon.....	m. 48
	Oil of bergamot.....	m. 80
No. 4	Coumarin.....	gr. 2
	Oil of wintergreen.....	gtt. 2
	Oil of clove.....	gtt. 4
	Oil of cassia.....	gtt. 4
	Oil of lavender flower.....	m. 16
	Oil of lemon.....	m. 48
	Oil of bergamot.....	m. 72

DR. FERRIER'S HEAD SNUFF.—

Morphia muriate..... 4 grains
Gum acacia..... ½ ounce
Bismuth subnitrate..... 1½ ounces
Mix in a very fine powder.

IMPROVED BLAUD PILL.—(by A. Zimmerman.)—

Dried sulphate iron..... 72 grains.
Carbonate potassium..... 120 grains.
Sugar (fine powder)..... 48 grains.
Simple syrup..... suff. quant.

To the carbonate potassium, finely powdered, add the sugar and then the sulphate iron, add syrup sufficient to make mass, which is to be divided into 48 pills.

Sugar having the property of retarding the oxidation of ferrous salts, the above formula, which also facilitates rapid manipulation, yields a product which has a slightly greenish tint, practically free from

ferrie salt, permanent and adapted for gelatine, sugar or silver coating.—*Pharm. Record.*

KÔLA PREPARATIONS.—The *American Journal of Pharmacy* has translated from the *Bull. Med.* the following:

Monin's Kola Essence Stimulant.

Essence of kola..... 40 grams.
Tr. of canella..... 5 grams.
Essence of menthe..... 10 drops.
Flavored mucilaginous water. 100 grms.

To be taken during the 24 hours. The kola essence is made from roasted kola, and represents one half the body weight of the nut.

Hocckel's Tincture of Kola.

Tincture of kola (5 per cent.)... 10 grams,
Tincture of vanilla..... 10 drops.
Simple syrup..... 60 grams.
Distilled water..... 40 "

An elixir is formed by adding 125 grams of kola tincture to 275 grams of Garus elixir; 2 to 4 tablespoonfuls taken daily.

Kola Pills.

Extract of kola..... 10 grams.
Powdered kola, sufficient to make 100 pills.
Ten to 15 to be taken daily.

Kola Mixture.

Extract of kola..... 1 gram.
Syrup of cyclonium..... 60 grams.
Teaspoonful doses daily. In diarrhoea of children.

ASTHMA POWDER highly spoken of by Sir Morell Mackenzie, M.D.:—

Lobelia herb..... 1 oz.
Black tea..... 1 oz.
Stramonium..... 1 oz.
Nitrate of potash..... 1 oz.
Powdered anise..... 1 drachm.
Powdered fennel..... 1 "

Mix. —*Chem. and Druggist.*

ANTISEPTIC CRAYONS.—

The increasing use of crayons for the local treatment of infectious endometrites, etc., make the following formulæ, suggested by Perraire (in his thesis on Infectious Endometrites) of value to the pharmacist:

IODOFORM CRAYONS.

1. Iodoform in fine powder.... 20 gm.
Gum tragacanth..... 1 gm.
Glycerin
Distilled water, of each sufficient.

Make into a stiff paste and roll into 20 crayons. Dry with a gentle heat.

2. Iodoform, in the powder.... 20 gm.
Gum arabic, in fine powder. 2 gm.
Glycerin..... 2 gm.
Starch, in powder..... 2 gm.

Mix and roll into 20 crayons, and dry with gentle heat. These crayons should be about the size of the conventional nitrate of silver pencils.

SUBLIMATE CRAYONS.

Mercuric chloride, in fine powder 50 cgm.
Talc, in fine powder. 25.00 gm.
Gum tragacanth..... 1.50 gm.
Water, q. s., or from..... 2 to 3 gm.
Glycerin, q. s., or from..... 1 to 2 gm.

Mix, and make 50 crayons.

—*Monde Pharmaceutique.*

Aristol in suppositories is prescribed in 5 to 15 grain doses.

The London Drug Co.

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IMPORTERS AND MANUFACTURING CHEMISTS,

LONDON, - ONTARIO.

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Citrate of Magnesia.
Raspberry Citrate of Magnesia.
Spirits Aetheris Nitrosi Pur.
Spirits Ammonia Arom. distilled.
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Chlorodyne, from a well tried formula.

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Insect Powder, etc., etc.

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Major's Cement.
Eugene's Corn Salve.
Kern's Rheumatic Cure.
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Sloan's Indian Tonic-Genuine,
Whelan's Crown Sarsaparilla, etc.

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OUR COMMUNION WINE,

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"Chosen by Special Committee Synod of Ontario, assisted by Analytical and Revenue Department, Ottawa, for use in all the parishes of the Diocese."

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

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

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

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

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Caffeine Seidlitz—Very efficient headache remedy. Improved Bronchial Lozenges—Very salubrious. Put up in bulk and in boxes. Sample sent upon application.

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

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

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DESICCATED WHEAT

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

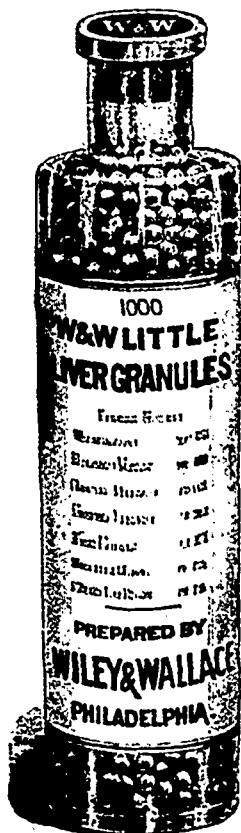
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For Infants. It is a compound of prepared Wheat, Milk and Sugar, and has had six years successful run. In many cases its results are remarkable. Retail at 40c. per tin.

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W. & W. LITTLE LIVER GRANULES.



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

1,000, 50 Cents.
 5,000 (one bottle) \$1.25.
 10,000 (one bottle) \$2.00.
 1 gross in glass, 60 in each, \$10.00.
 1 gross in glass, 40 in each, \$8.50.
 1 gross in glass, 30 in each, 7.00.
 Buyers Address.

FORMULA.

Aloin, 1-10 gr.; Jalapin, 1-10 gr.; Podophyllin, 1-10 gr.; Ext. Hyoscyamus, 1-20 gr.; Ext. Nux Vom. 1-20 gr.; Oleo-lin. Capsul., 1-25 gr.



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Sticks Everything

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- Hagyard's Pectoral Balsam,
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- Hagyard's Condition Powders,
- Dr. Wilson's Magnetic Ointment,
- Hagyard's Cattle Spice,
- Dr. Fowler's Extract Strawberry,
- Dr. Boyer's Galvanic Fluid,
- Dr. Fife's Worm Lozenges,
- National Pills,
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- Dr. Abernethy's Worm Candy,
- Freeman's Soothing Syrup,
- Freeman's Worm Powders,
- Freeman's New Domestic Dyes,
- Dr. Low's Sulphur Soap,
- Dr. Low's Pain Cure Oil,
- Dr. Low's Worm Syrup,
- Milburn's Beef, Iron and Wine,
- Milburn's Quinine Wine,
- Roscoe's Hair Restiver.

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The greatest known cure for
 Catarrh, Cold in Head,
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 Nervous Pain.

It is well recommended by
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 all Thick Mucus, and Clearing
 the Nasal Cavities. It is some-
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 keep in stock, as it sells well
 and gives good satisfaction.

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 Gold Oil Liniment.
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W.A. GILL & Co. COLUMBUS, OHIO, U.S.A.

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MAKE THE BEST SEAMLESS TIN

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

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 Stamped on each drop.

CANADIAN DRUGGIST.

WM. J. DYAS, EDITOR AND PUBLISHER.

JANUARY 15th, 1891.

WITH the beginning of a new volume, it is with no small degree of pride that we call the attention of our readers to the unqualified success which has attended its publication—launched in 1889 as a 16-page paper, it has now doubled its size and bids fair in the near future to assume still greater proportions. And this is not a matter of gratification to the publisher alone, but to all the druggists of Canada who have so quickly and spontaneously come to regard it as their own mouth-piece, and as the representative journal of the profession in this country. To our brother druggists we must convey our sincere thanks for their generous reception and cordial endorsement of the CANADIAN DRUGGIST, trusting with their continued assistance to make it still more interesting and more valuable to its readers.

* *

As is apparent to any thinking person the advertising pages are the backbone or sustaining part of any journal, and the readiness which advertisers have displayed in securing space in our columns, indicates the fact that in it they recognize the medium for securing the trade of the druggist, and the fact that many of our advertisers, seeing its value, are largely increasing their space is a sure indication of its worth as a money-making investment for them. Amongst our advertisers will be found the leading business men in their respective lines in this country, and the advertising columns furnish a reliable guide as to where and from whom purchases may be made to advantage, as it is a well recognized fact, that the pushing, reliable, live business men who advertise to a special line of traders through their own journal, will undoubtedly secure the trade, and are those who can do it to the best advantage of the purchaser.

* *

THE year 1891 opens with bright prospects and still further assurances of the success of the CANADIAN DRUGGIST. Arrangements have been made for a complete summary of news of interest to the trade, to be furnished monthly from our special correspondents in the leading provinces of the Dominion, this, with the continued cooperation of our *confreres* in the drug trade, cannot fail to make it of still greater interest to our readers, and we trust that one and all may receive such a benefit from its careful perusal every month, that it may be the means together with increasing prosperity in business to bring to them, "A Happy and Prosperous New Year."

Master the whole business and the way to fortune has been mapped out.

Rivalry, open, fair, good natured and enterprising, is the life of business.

Publications.

"How to do Business," a book of 28 chapters, devoted as its name implies, to the secret or art of doing business profitably, equitably, and with satisfaction to yourself and customers. An excellent text book of practical hints and rules for guidance in commercial life, whether to the novice or to the established man of business.—Chicago: Jefferson Jackson, Publisher

* *

The American Druggist comes to hand this month in decidedly more convenient shape than hitherto, and generally improved in appearance. We are pleased to see that the success of this valuable trade journal justifies its issue bi-weekly instead of monthly as formerly.

* *

The Pharmaceutical Era has also adopted a change of style in the substitution of 3 columns to the page instead of 2. The *Era* has now entered on its fifth volume, and is one of the leading exponents of Pharmacy in the U. S.

Montreal Notes.

The preliminary examinations for aspirants to the study of pharmacy took place on the 8th inst. There were quite a number examined, and as usual several rejected. One young lady passed successfully.

Below zero was the rule with the thermometer in Montreal during the Christmas and New Year's holidays, and it is probable that retail business was not quite so rushing as usual. However, most of the pharmacies report quite an improvement since New Year's day.

A large fire took place here a few days since on the premises of Beauchemin Valois & Co., publishers, booksellers and printers, resulting in the total destruction of the stock, fixtures, printing presses, &c. The premises are situated immediately in rear of Messrs. Evans & Sons, wholesale druggists, and Messrs. Kerry, Watson & Co.'s drug and spice mills, both of which suffered considerably from water.

The Pharmacy Students' Association hold their annual dinner at the Richelieu Hotel on the 20th inst. The menu is first-class, and on looking through the musical part of the programme I was astonished at the amount of musical talent existing amongst our young pharmacists in Montreal. It is expected that every ticket will be sold before the night of the dinner.

In the past whenever a discussion has arisen as to the pronunciation of the word "pharmaceutical" Montreal pharmacists have always been in favour of the soft c, as being more euphonistic than the harsh Greek k. The Attorney-General of England, at the instance of Sir Fitzroy Kelly, in a recent celebrated trial, decided that the proper pronunciation is with the soft

c, as though it were written pharmaceutical and not pharmaketical.

Mr. John Lewis, the well-known pharmacist on Victoria Square, had a narrow escape from being burnt out on the night of January 12th. Several large establishments were gutted only a few doors west of him on Craig street, and at one time it was thought the Young Men's Christian Association building, in which his pharmacy is situated, would also fall a prey to the flames.

It is stated that Mr. Kenneth Campbell is about to open a first-class retail pharmacy in the new Morgan's building on St. Catherine street, immediately east of the English Cathedral. Mr. Kenneth Campbell is the senior member of the firm of Messrs. Kenneth Campbell & Co., wholesale druggists. As an expert, your correspondent begins to think that Montreal is being rapidly overstocked with drug stores. It should be borne in mind that it takes a larger number of customers to support a drug store than it does a corner grocery.

A great deal of irritation exists throughout the province at the high annual registration fee which all licentiates have to pay. Although there is little doubt but that it will be placed again at the old figure next year, nevertheless, the licentiates must bear in mind that this province does not produce the revenue that Ontario does, and consequently the Association is not in a position to enforce the law as efficiently as it is done by our neighbors. There are a great many expenses incidental to getting up a case, which, although the Association may gain it, cannot be collected from the defendant, and then as a rule the bench is exceedingly careful that the case be well established when the plaintiff happens to be a corporate body.

NEWFOUNDLAND COD LIVER OIL.—If makers of Newfoundland cod liver oil do not improve the character of their output their product will soon be driven from this market. As it is, their oil which, if properly and carefully prepared, would sell readily for medicinal purposes has recently had to be sold to the tanneries, simply because manufacturing chemists in this city would not handle it at any price owing to the carelessness with which it had been prepared for market. When Norwegian cod liver oil can be put on this market nearly water white, it is no wonder that makers of emulsions prefer it to the yellow and crude home product. Even with the difference of 25c to 35c in cost in its favor, Newfoundland oil is difficult of sale, and unless the shippers employ more care in its preparation it will soon be unsaleable save for tanning purposes.—*Can. Jour. of Commerce.*

Restore goods to their proper places as soon after using as possible.

Goods conveniently located save time, money and temper in showing.

To the Retail Druggists and Chemists of Canada.

GENTLEMEN :

Owing to the rapidly increasing demand for my Preparations and the numerous orders received from Retail Druggists, I have concluded to place the Medicines in the hands of the Wholesale Druggists of Canada.

The following Agents have thus far been appointed :

DRUGGISTS -- WHOLESALE.

TORONTO, ONT.

Lyman Bros. & Co.
Elliott & Co.
Northrop & Lyman.
T. Milburn & Co.
Lyman, Knox & Co.

HALIFAX, NOVA SCOTIA.

Brown & Webb.
F. C. Simson & Co.
Forsythe, Sutcliffe & Co.

LONDON, ONT.

J. A. Kennedy & Co.
The London Drug Co.

HAMILTON, ONT.

J. Winer & Co.
H. Wilson & Co.

MONTREAL, QUE.

Lyman, Sons & Co.
Evans & Sons.
Kerry, Watson & Co.
Lyman, Knox & Co.

BELLEVILLE, ONT.

L. W. Yeomans.

WINNIPEG, MAN.

Martin, Rosser & Co.

ST. JOHN, N. B.

S. B. Barker & Sons.

OTTAWA, ONT.

H. F. McCarthy.

VICTORIA, B. C.

Langley & Co.

GUELPH, ONT.

A. B. Petrie.

MY PREPARATIONS :

Slocum's Psychine,
Oxygenized Emulsion of Pure Cod Liver Oil,
Coltsfoot Expectorant, **Regulative Pills,**
Magnetic Medicated Plasters,

Can be purchased through the above Houses at List Prices.

Price List and Circulars supplied on application.

T. A. SLOCUM, M. C.,

186 West Adelaide Street, TORONTO, ONT.

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

WRITTEN PRELIMINARY EXAMINATION --
MONTREAL, JANUARY 8TH, 1891.

N. B.—You are requested to —

1. Write on one side of the paper only.
2. Number your answers so as to correspond with the printed questions.
3. Number the sheets of paper in their proper order and attach them together, then fold them up and place your name in full on the outside.
4. Candidates will write their answers to the questions on each subject, on separate sheets of paper.

FRENCH.

Translate into English—

Deux jeunes juifs, qui venaient de colporter dans les paroisses d'en bas, ont été retrouvés l'un près de l'autre, sous des débris et des roues de chars.

Translate into French—

The importance of Dr. Koch's discoveries to his countrymen alone may be measured by recalling that in forty years, Prussia alone lost 343,973 lives by Cholera. The average number of deaths by Consumption every year in Prussia represents 91,350.

ARITHMETIC.

1. Convert into decimals the following fractions: $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{7}{16}, \frac{9}{32}, \frac{11}{64}, \frac{13}{128}$
- 2.—Multiply 24783.320645 by 9.32067
- 3.—What will be the interest on \$1240.53 for two months and 6 days at $5\frac{1}{2}\%$ (300 days in year and 30 in month.)
- 4.—What do you mean by the aliquot parts of a number and give examples?
- 5.—Six men earn \$7.68. How much will 20 men earn at the same rate?

ENGLISH GRAMMAR.

- 1.—How are nouns classified?
- 2.—What is a Verb? How is the passive voice formed?
- 3.—Into what two classes are adverbs classified?
- 4.—Classify all the adverbs in the following sentences:—
(a) I am ready but you are not. (b) She writes badly for her age. (c) John rode twice to town. (d) I will not say you nay.

5.—Parse the following:

"Nature is but the name of an effect,
Of which the cause is God."

GEOGRAPHY.

- 1.—What is a volcano? Give names of the most celebrated.
- 2.—Through what River and into what Lake does Lake Superior empty itself?
- 3.—What is the Capital of British Columbia and where is it situated?
- 4.—Name the principal coast towns of England and where situated.
- 5.—What are the names of the mountain ranges in France?

LATIN.

1.—Hoc praelio trans Rhenum nuntiatio, Suevi qui ad ripas Rheni venerant, domum reverti ceperunt: quos Ubii, qui proximi Rhenum incolunt, perterritos insequuti, inagnam ex his numerum occiderunt.

Caesar, una aestate duobus maximis bellis confectis, maturius paulo, quam tempus anni postulabat, in hiberna in Sequanos Exercitum deduxit: hibernis Labienum praeposuit: ipse in citeriorem Galliam ad conventus agendos profectus est.

- 2.—Write in full any two nouns (excepting proper nouns) that occur in the extract for translation.
- 3.—Write the principal parts of any three verbs in the extract.
- 4.—Give the number and tenses of verberant, deduxit, profectus est.
- 5.—Write in full the present and future indicative tenses of the verb "esse" to be.

HISTORY.

- 1.—Give the dates of the wars between England and the United States; what kings were on the English throne at those periods?
- 2.—Name some of the earlier French voyagers to Canada who attempted to found colonies.
- 3.—What was the "company of the hundred associates," and what minister of the French crown organized them?
- 4.—What were the chief exports of Canada under the French regime?
- 5.—Give the date of the division of the old Province of Quebec into Upper and Lower Canada and the name of the Governor at that time.

N. B.—Il faut —

- 1.—Ecrire sur un cote seulement du papier.
- 2.—Numeroter et letter vos reponses en sorte qu'elles correspondent aux questions imprimees.
- 3.—Numeroter chaque feuille ecrite et les lier ensemble, les plier, et les mettre dans une enveloppe en ayant soin d'y ajouter votre nom au long.

- 1.—Qu'est-ce que l'interjection?
- 2.—Quelles sont les principales interjections pour exprimer (a) la joie, (b) la douleur, (c) la crainte, (d) pour imposer silence.
- 3.—Quand faut-il employer les majuscules?
- 4.—Corriger toutes les fautes de grammaire, de ponctuation ou d'orthographe que vous pouvez trouver dans l'extrait suivant:

Non l'avenir n'est a personne,
Sire, l'avenir est a Dieu.
A chaque fois que l'euire sone
Tout ici-bas nous dis adieu!
L'avenir! l'avenir! mystere.
Toutes les chose de la terre
Gloire, fortune militaire,
Couronne eclatante des rois,
Victoire aux ailes embrases,
Ambitions realises,
Ne sont jamais sur nous poses.
Que comme l'oisau sur nos toit!

ARITHMETIQUE.

- 1.—Changez en fractions decimales les fractions simples suivantes: $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{7}{16}, \frac{9}{32}, \frac{11}{64}, \frac{13}{128}$
- 2.—Multipliez 24783.320645 par 9.32067
- 2.—Quel sera le montant d'interet sur

MARTIN,
ROSSER
& CO.
IMPORTERS

—AND—

Wholesale Druggists

McDERMOTT ST. EAST,

WINNIPEG, MAN.

TRADE MARK **DR. WILLIAMS' PINK PILLS FOR PALE PEOPLE.** REGISTERED.

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

PINK PILLS

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

The Dr. Williams Medicine Co.,

BROCKVILLE, ONT.

FULFORD & CO.,

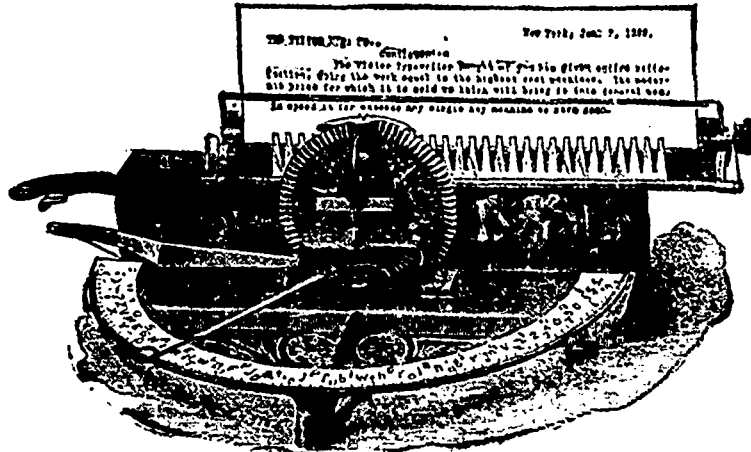
Wholesale Trade Agents.

GARFIELD TEA FOR CONSTIPATION AND SICK HEADACHE

This preparation is being extensively advertised. Sales steadily increase wherever introduced. Trade supplied by Wholesale Drug Houses. You will largely increase your sales by keeping our FREE SAMPLES to give your customers. Furnished free by application to

D. DENSMORE & CO., 317 CHURCH STREET, TORONTO, - ONTARIO.

EVERY DRUGGIST SHOULD HAVE ONE OF THESE MACHINES.



Your writing is readable. Mistakes prevented in writing your wholesaler. They do the work like the larger machines. The Canadian Druggist has one. "Can we send you One?"

GEORGE BENGOUGH, Agent.

4 Adelaide St. West, Toronto, Ont. Corner Yonge.

Agents wanted in every town and city in Dominion.

"How To Do Business,"

OR THE SECRET OF SUCCESS IN RETAIL MERCHANDISING, By GEO. N. McLean.

The Most Comprehensive, Practical and Valuable Treatise on Business, and How to Successfully Do It, Ever Published.

A text book of practical hints, rules and examples of such rare value that every one, no matter how old and experienced, cannot but derive absolute and positive value from its teachings—wells to the young novice it is a hand-book and treasure of inestimable value.

Contains 26 Grand Chapters on the Following Subjects:

How to Do Business—Choosing a Business or Profession—The Ebb and Flow of Business—Purchasing Stock, Factors of Success—How to Obtain Credit—Marketing Goods—Advantages of Advertising—Employing Clerks—Selling Goods—Exclusive Cash Sales—Selling Goods on Credit—Cash and Credit Combined—Cause of Success or Failure—Prompt Settlement—Depreciation of Goods—Losses in Business, which occur to the Merchant—Expenses and Accounts—Co-partnership and its Advantages—Business and Social Intercourse—Proper Investment of Profits—Insolvency, its cause and Prevention—Qualifications Necessary to Insure Success—Mercantile Examples—Expenses of Doing Business—Verbal and Written Business Terms—Preparation for Business—Secure the Confidence of Customers—Valuable Hints, Comprising Short Chapters and Paragraphs on Business Methods, Systems, Rules, Etc.

Postpaid on Receipt of \$2.00.

SPECIAL OFFER—We will send you, prepaid, this book—as valuable as if specially written for your business—for \$1.50. For sale at this office.

AN OLD NURSE FOR CHILDREN!

MRS. WINSLOW'S Soothing - Syrup FOR CHILDREN TEETHING,

Should always be used for Children while Teething. It Soothes the Child, Softens the Gums, Allays all Pain, Cures Wind Colic and is the Best Remedy for Diarrhoea.

TWENTY-FIVE CENTS A BOTTLE.



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.



LUBY'S PARISIAN HAIR RENEWER

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

Strengthens weak hair, Checks its falling out, Allays irritation of the scalp, Removes all traces of Dandruff, 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.

General Agent for the Dominion, **R. J. DEVINS,** No. 4, St. James St., Court House Square, MONTREAL.

DID YOU HEAR ABOUT —THIS?—



Pennyroyal Wafers

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

NOT A DRUGGIST

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

We want one Druggist in each town or city for Local Agent. Will of course have a local office. Make terms with him in which his profit is a sure.

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

Address to Main Office.

Eureka Chemical Co.,

10 & 12 Michigan Ave., DETROIT, MICH.

\$1,240.53 pour deux mois et six jours a $5\frac{1}{2}$ % ?

(L'annee de 300 jours et mois 30.)

4.—Qu'entend-on par des parties aliquotes d'un nombre et donnez des exemples ?

5.—Six hommes gagnent \$7.68, combien 20 hommes gagneront-ils dans les memes conditions ?

ENGLISH FOR FRENCH CANDIDATES.

1.—How are nouns classified ?

2.—What is a Verb ? How is the passive voice formed ?

Translate into French—What is a successful druggist ? A short and concise answer is, a man who has made money by his business and at the same time enjoys the confidence, esteem and respect of his fellow-citizens.

Translate into English—Cependant une profession qui donne de tels resultats merite assurément la sollicitude d'un gouvernement eclaire. Nous nous berons de l'esperance qu'un jour prochain elle l'obtiendra.

GEOGRAPHIE.

1.—Qu'est-ce qu'un volcan ? Donnez les noms des plus celebres.

2.—Par quel fleuve et dans quel lac le Lac Superieur se decharge-t-il ?

3.—Quelle est la capitale de la Colombie Anglaise et ou est-elle situee ?

4.—Donnez les noms des principales villes des cotes de l'Angleterre et ou elles sont situees.

5.—Quels sont les noms des chaines de Montagnes en France ?

LATIN.

1.—Hoc prelio trans Rhenum nuntiatio, Suevi qui ad ripas Rheni venerant, domum reverti ceperunt: quos Ubii, qui proximi Rhenum incolunt, perterritos insequuti, magnum ex his numerum occiderunt. Caesar, una aestate duobus maximis bellis confectis, maturius paulo, quam tempus anni postulabat, in hiberna in Sequanos Exercitum deduxit: hibernis Labienum preposuit: ipse in citeriorem Galliam ad conventus agendos profectus est.

2.—Ecrivez deux noms (a part les noms propres) qui se trouvent dans le morceau a traduire.

3.—Ecrivez les principales parties de l'un des trois verbes dans le morceau choisi.

4.—Donnez les nombres et les temps de venerant, deduxit, profectus est.

5.—Ecrivez au complet le present et le futur des temps de l'indicatif du verbe "esse" etre.

HISTOIRE.

1.—Donnez les dates des guerres entre l'Angleterre et les Etats-Unis; quels rois etaient sur le trone d'Angleterre a ces diverses periodes.

2.—Donnez les noms des premiers voyageurs Francais au Canada qui ont essaye de fonder des colonies.

3.—Quelle etait la "compagnie des cents associes" et quelle ministre de la couronne francaise l'a organisee ?

4.—Quels etaient les principales exportations sous le regime francais ?

5.—Donnez la date de la division de l'ancienne Province de Quebec en Haut et Bas Canada et le nom du gouverneur de ce temps-la.

Pharmaceutical Examinations.

The quarterly preliminary examinations of the Pharmaceutical association of the Province of Quebec, for candidates entering the study of pharmacy, was held in the lecture room of the Montreal College of Pharmacy, on Jan. 8th. Nineteen candidates presented themselves for examination in Latin, French, English, geography, arithmetic and history, the candidates being required to make at least fifty per cent. on all subjects and at least sixty per cent. on the maximum number of points which is 1,000. The names of the successful candidates are as follows, in their order of merit: S. Comtois, S. J. Martin, F. L. Woolley, J. C. A. Bates, W. Bedard, J. V. Levesque, Miss R. A. N. Parkin, J. D. Patterson, E. Brodeur, A. Goyette, T. E. Huot, Sam. Duncan. The examiners were Messrs. Wm. S. Kerry, A. E. Duberger and W. H. Chapman. The next examination will be held on the 2nd of April.

CHLOROFORM OINTMENT.—

In a paper read at the recent meeting of German Physicists and Physicians, Mr. Kittl suggested that, as such applications owe their efficacy to the slow evaporation of the chloroform, thicker media than the oil generally used should be employed, so as to prolong the action of the chloroform.

For three or four years he has made ointments according to the subjoined formula, and they have been used with good results by medical men.

Chloroform..... 1 part (by weight).
Wax..... 1 "
Lard..... 2½ to 3 parts "

This is generally used for rheumatic affections. A harder salve is made with the same proportion of wax and chloroform, but with 1½, 1½, and 2 parts of lard. The way to make the ointment is to melt the lard and wax in a stoppered bottle, and when cold stir in the chloroform with a spatula. The ointment is applied to the affected part on lint.—*American Druggist.*

TREATMENT OF INGROWN NAIL.—Dr. Parckhauer moistens the surface of the deceased nail with a lukewarm forty per cent. solution of caustic potash, and then scrapes off the softened upper layers with a sharp edged piece of glass. After a second application of the potash solution, the scraping is continued until the nail is as thin as a sheet of paper. It is then lifted up from the soft parts with forceps, and the deceased parts are excised. The operation, which is unattended with hemorrhage, has been uniformly successful in the author's hands.—*International Journal of Surgery*, October, 1890.

Orexin, as an appetizer in the hands of Martin, has not fulfilled the predictions of Penzoldt.

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

We call attention this month to the following recent importations, and invite correspondence from buyers. Samples and quotations given promptly.

Purchasers will consult their own interests by getting our prices before buying.

Virgin Olive Oil in 1 gal. cans
Virgin Olive Oil in 5 gal. cans
Virgin Olive Oil in flasks
Castile Soap, Dragon Brand, White
Castile Soap, Vierge Brand, White
Castile Soap, Ciel Brand, Mottled
Castor Oil, Italian "Water White"

CHAMOMILES.

We offer a specially fine sample of this year's crop at low figures.

Rose Petals Red, this year's picking
Acetic Acid Glacial in 44 lb demis
Acetic Acid, Strong B P, 44 lb demis
Sweet Almond Oil in 10 lb tins
Origanum Oil in 10 lb tins
Rosemary Oil in 10 lb tins
Garden Lavander Oil in 10 lb tins
Orange Flower Water in 52 pound coppers
Rose Water in 52 lb coppers

WESTERN HOUSE,

The London Drug Co.

LONDON, ONT.

HARVARD BRONCHIAL SYRUP

A Marvellous Remedy for all
all forms of

Coughs, Colds, Bronchial Throat
or Lung Troubles.

Its marvellous effects endorsed by hun-
dreds of suffering humanity.

It emanates from the highest Medical
source in America.

For Sale by all the Wholesale Trade.

For Sale by all Retail Dealers at

Large Size Bottles, - 25 cents
Extra Large Size Bottles, 50 cents
One-half the price of inferior remedies.

A. J. LAWRENCE,

Sole Proprietor and Manufacturer
for Canada,

MONTREAL, QUEBEC.

This Beats All.

\$1.00 FOR NOTHING.

Are you selling RUDY'S PILE SUP-
POSITORIES? If so, write to me at once
and some paying advertising matter will be
sent to you FREE OF CHARGE. If you
do not handle them and want to start in
right now, write me at once, and send me
the name of your jobbing house, and I will
send to you in their care, FREE OF ALL
CHARGES, two (2) boxes of RUDY'S PILE
SUPPOSITORIES, which retail at 50 cents
each, with FREE SAMPLES, a neat metal
sign, etc.

MARTIN RUDY, Lancaster, Pa.

DR. H. P. WILKINS' LIVER POWDERS

Promote Cheerfulness and Rest.

AN EXCELLENT REMEDY FOR
Sick Headache, Dyspepsia, Constipation,
Sour Stomach, Neuralgia, Nausea,
Vomiting, Loss of Sleep,
Drowsiness, etc.

PRICE, 25 CENTS PER BOX.

Prepared by DR. H. P. WILKINS, Toronto.

Wholesale by ELLIOTT & CO., Toronto, Ont.

- CIGARS. -

OUR LEADING LINES:

10c.

"LA MAYA,"

"LA FAMEUSE,"

"HAVANA PEARL,"

5c.

"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.

AMERICAN OIL COMPANY

(Canadian Branch of Cleveland Petrolatum Co.)

MANUFACTURERS OF ALL PRODUCTS OF PETROLEUM.

=DENSOLINE=

SUPERIOR TO "VASELINE"
(PURE PETROLEUM JELLY)

"Nature's Healing Ointment"

—MANUFACTURED ONLY BY—

CLEVELAND PETROLATUM CO., CLEVELAND, OHIO.

"GOLD SEAL" Densoline, for Chapped Hands and Rough Skin.

Densoline Cold Cream for the Complexion.

Densoline Pomade, Elegantly Perfumed.

Densoline Camphor Ice. Densoline Cosmétique.

Densoline Hair Oil.

Densoline Toilet Soap, made from Pure Petroleum Jelly, a
perfect cure for all Skin Affections.

Densoline Arnicated, Camphorated, Carbolated, etc., for
Physicians' use.

Densoline Hoof Ointment, a perfect remedy for Hard and
Cracked Feet and all Abrasions of the Skin.
Put up in ½ lb., 1 lb. and 5 lb. cans.

Brown's Lustrous Harness Oil, the most perfect Leather
Dressing in the market.

We also manufacture a full line of Lubricating Oils and
Axle Grease.

DENSOLINE is the PUREST and MOST PERFECT Petroleum Jelly on the market, and,
taken internally, will furnish instant relief and a speedy cure for Coughs,
Colds, Hoarseness, Sore Throat, Catarrh and Asthma.

FOR SALE BY ALL DRUGGISTS.

Orders by mail or otherwise receive prompt attention. Order direct from us and
save freight, duty and broker's charges.

AMERICAN OIL CO., 29 ADELAIDE ST. WEST, TORONTO, ONT.

A New Worm Remedy!

DAWSON'S CHOCOLATE CREAMS.

The most pleasant Worm Medicine ever offered to
the public, being in the form of a
Chocolate Cream.

Children Never Refuse Them.

These goods are sure to have large sales, not only on account
of their being extensively advertised, but also that one sale is
certain to make another.

SOLD BY ALL WHOLESALE DRUGGISTS AT \$1.75 PER DOZ.

Wallace Dawson,

MANUFACTURING CHEMIST, - MONTREAL.

PAINTS AND OILS.

A NEW PAINTING MATERIAL.—Herr Gerhard, of Dusseldorf, has made a public essay before a considerable number of painters of his invention of a new vehicle in painting. His method is to use a mixture of wax and caseine instead of oil; and it is stated that, so far as can be seen at present, the result is highly satisfactory.

AN IMPORTANT DISCOVERY is reported from California in the shape of a new paint oil, which is stated to be superior to linseed oil and much cheaper. It has the further advantage that, on surfaces which are exposed to the weather, it makes the paint wear more than twice as long as linseed oil. It is also claimed that "neither the heat and dryness of summer, nor the cold and wet of winter will cause the paint to scale off or 'chalk.' It preserves its elasticity and gloss better and longer than linseed oil, and never blisters in the sun." The oleine used in the manufacture of this new paint oil is extracted from fish oil.—*Drug, Oil, and Paint Reporter.*

THE MANUFACTURE OF WHITE LEAD.—Some time since we stated that a new process for the manufacture of white lead had been discovered and patented by Professor R. W. Emerson MacIvor, and that a company had been formed to work the process. Since then the patentee and Professor Watson Smith, of University College, London, have been experimenting upon galena, or sulphide of lead, and they have reported that they can make basic carbonate of lead (white lead) from this ore as easily as from cerusite. When it is noted that sulphide of lead is plentiful in nearly every country, and can be purchased at a cheap rate, the value of this second discovery will be apparent.—*British and Colonial Druggist.*

MR. CHARLES RICHARDSON, President of the National Paint, Oil, and Varnish Association, offers the following simple test to ascertain if turpentine has been adulterated; Paint the back of a clear, clean glass with black paint, giving it two coats; after the paint is thoroughly dry drop on the surface one drop of the suspected article, and, with the light properly reflected from the surface, watch the effect as it evaporates. If pure, the drop will dry off almost like water, and no color will be reflected from the surface. If the drop contains as much as five per cent. of oil or benzine, the surface, with the light properly reflected on it, will exhibit an iridescent purple, similar to that thrown off from the surface of water on which oil has been dropped.

CARE OF VARNISH.—In a country shop, where a small quantity of varnish is used at a time, it is best to buy it in small cans—say pints and quarts. After varnish has been frequently exposed to the air, and has stood a month or two, it is apt to become fat or to receive too much oxygen, and lose too much of its turpentine to

work as the manufacturer intended, or to the satisfaction of the varnisher; and that is one of the reasons why so many varnishers fail to get uniform results from the same grade of varnish. After the can has been opened and closed a few times, the cork, which is apt to stick fast to the nozzle of the can, begins to crumble or break, leaving pieces adhering to the can, and portions of the cork often find their way into the varnish, and, to the disgust of the varnisher, turns up as specks upon the finished work. A rubber stopper is a good thing to use in a varnish can which has to be reopened from time to time as the contents are used, because it will not make specks and will stop the can nearer air-tight than cork.—*House Painting and Decorating.*

TO PROTECT THE PURITY OF LINSEED OIL.—One of the subjects carefully considered at the annual convention of the National Wholesale Druggists' Association, held at Washington, D. C., in December, was the adulteration of linseed oil and the use of substitutes for linseed oil. The Committee on Paints, Oils, and Glass called attention to the amount of adulterated linseed oil on the market, and pointed out the methods by which the jobbing trade, and even careful buyers of single barrels, are deceived and annoyed. The practice is alleged to be confined for the most part to dealers in and compounders of the products of petroleum, who pump out from fifteen to twenty gallons of linseed oil from a barrel bearing a well-known brand and replace it with an adulteration (usually some product of petroleum) and then sell the whole under the crusher's brand. The Association placed itself on record by resolutions condemning the practice as "wholly wrong, unmercantile, and in antagonism to the best interests of the trade," and asking the National Linseed Oil Company and other linseed oil crushers to consider some means of effectually removing so damaging a competition. The Committee's report also stated that in their opinion the great desideratum of a perfect substitute for linseed oil at a much less cost has not yet been realized, although the future may have such a surprise in store. The sense of the Association as expressed in a resolution was "that until some oil is offered to take the place of linseed oil, which shall have clearly established that it contains the necessary properties of self-oxidation and the other valuable properties inherent in pure linseed oil, it is inexpedient for the wholesale drug trade to assume the risk of damage and loss of reputation more or less incident to the sale of any oil for general painting purposes, other than pure linseed oil."—*The Carriage Monthly.*

READY-MIXED PAINTS.—The handling of ready-mixed paints has become most important branches of the business. There are a good many brands of ready-mixed paints on the market; but, unfortunately, a large number are almost worthless, having very little, if any, linseed oil or white lead or zinc in the composition, or any of

the standard basic colors. Good paints cost money, and when you are offered ready-mixed or other paints at phenomenally low prices you can set it down as a fact that they are dear at any price, and that they will ruin the reputation of any dealer handling them. There are a number of large concerns, who, in addition to handling immense lines of paints and oils, are also prepared to meet the large and growing demand for ready-mixed. Their ready-mixed paints are made up of standard materials, just such as you can buy unmixed from their general stock. They have skilled men engaged in the work of mixing, and their knowledge of colors enables them to produce shades and effects impossible to the painter who buys his lead and oil and colors and does his mixing at his shop. The regular painters have made a valiant fight against the ready-mixed, as did the regular dealers in regulation goods. But both have practically abandoned the fight, and the former are using the goods now which are furnished by the latter. Many of the fine shades and effects of mixed colors can only be produced by the most skilful manipulation, by experienced hands, and by repeated trituration or grinding by machinery, which accounts often for the superior brilliancy of ready-mixed colors over those produced by the painter's own mixing. Cheapness is another element of popularity of ready-mixed paints; but the greatest cause of the wonderful success of the business is its convenience. There is much more painting done than formerly in country localities; outbuildings and farm implements getting attention they would not under the old system. The farmer or mechanic can keep his buildings, gates, fences and implements painted at small cost.—*Drug, Oil and Paint Reporter.*

METHYLAL, on account of its low boiling point, 42° C., and its low volatilization is coming into use in the extraction of volatile principles, especially in the extraction of perfumes. Experiments made with violets prove its success in extracting delicate odors.—*Chemiker Ztg.*, 1890, 1474.

TO PRESERVE HYDROGEN PEROXIDE it is recommended by Kingzeit (*Jour. Chem. Ind.*) to add a small percentage of ether, which he found superior to sulphuric acid or alcohol. Pure hydrogen peroxide lost 27.4 per cent. in 98 days and 89.2 per cent. in 490 days, while after the addition of ether the percentage of loss was only 4.3 and 15.9 respectively.

HYDROGEN SULPHIDE SOLUTION is best preserved, according to Fiumi (*Chem. Zeit.*) in an amber colored bottle provided with a saucer-like rim round the neck partially filled with a mixture of equal parts of glycerin and water, a glass cup inverted over the neck dipping into the liquid and thus forming a perfect joint. Solutions, although frequently used, have thus been preserved in good condition for months. It should be said that the neck is also fitted with a ground stopper, and the saucer is provided with a spout.

Price List of Lambert's Physician's Specialties :

LISTERINE.

ANTISEPTIC, PROPHYLACTIC, DEODORANT.

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

LAMBERT'S LITHIATED HYDRANGEA.

KIDNEY ALTERNATIVE—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 decried this pernicious practice—**SUBSTITUTION.**

Yours respectfully,

Lambert Pharmacal Co.,
ST. LOUIS.



NO MORE ROUND SHOULDERS

KNICKERBOCKER

Shoulder-Brace

—AND—

SUSPENDER COMBINED.

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

Cheapest and Only Reliable Shoulder-Brace.

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

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

Knickerbocker Brace Company,

EASTON, PA., U.S.A. N. A. JOHNSON, Prop.

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



4 POINTS IN FAVOR OF

Miller's Emulsion of Cod Liver Oil

IT LEADS THEM ALL.

We have, after repeated experiments, succeeded in perfecting the most complete and palatable Emulsion of Cod Liver Oil ever produced, containing fifty per cent. of pure Norwegian Cod Liver Oil, combined with the P. B. dose of Hypophosphites of Lime and Soda. What we claim for this Emulsion is :

- 1st. That it is miscible with water, thereby rendering it of easy and pleasant administration to young children.
- 2nd. That it contains fifty per cent. pure Norwegian Cod Liver Oil in a perfectly disguised form.
- 3rd. Will not decompose, separate or become rancid in any climate or at any age, owing to our having perfected an Emulsion by the use of Carrageen, in place of the usual Gums of Acacia or Tragacanth.
- 4th. That it can be administered to the most delicate invalids and young children (when Cod Liver Oil is required) with the utmost assurance that the patient will not experience the unpleasant, fishy and oily taste of Pure Cod Liver Oil.

16 OZ. \$6.00 PER DOZ. ; 8 OZ. \$3.00 PER DOZ.

PREPARED BY

THE MILLER EMULSION COMPANY,

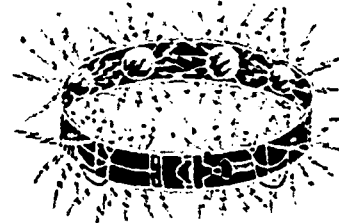
New York and Kingston, Ont

Wholesale by Lyman, Sons & Co., Montreal,
Lyman, Knox & Co., Toronto.

THE DORENWEND

Electric Belt and Attachments

FOR THE SELF-APPLICATION OF
ELECTRICITY.



C. H. Dorenwend, of Toronto, has invented a system of Electrical Appliances whereby home treatment gives all the benefits to be obtained from costly and complicated Medical Batteries.

All Diseases Curable by ELECTRICITY can be treated by the Dorenwend Inventions.

Rheumatism, Neuralgia, Sciatica, Gout, Lumbago, Indigestion, Liver and Kidney Disorders, Weak Circulation, Spinal Diseases, Paralysis, Female Complaints, Impotence, Nervous Debility, Sexual Decline, and all forms of Nervous Diseases.

The Dorenwend Appliances are endorsed by Physicians and will stand the scrutiny of any expert.

Druggists everywhere take orders for them, and all say they sell well and give the best of satisfaction.

The Dorenwend are the only legitimate Electro-Medical Body Appliances made and contain all the advantages of most recent discoveries.

THE DORENWEND ELECTRIC FOOT BATTERY FOR COLD FEET, RHEUMATISM, &C.

Every Druggist should get particulars, and Book on Home-Electro Medical Treatment.

THE DORENWEND ELECTRIC BELT & ATTACHMENT CO.

C. H. DORENWEND, Electrician and Manager.

103 Yonge St., TORONTO, CAN.

Imperial Granum

SUPERIOR
NUTRITION
THE LIFE.



REGISTERED
JUNE, 1887.

Medicinal Food

This Original and World Renowned Dietetic Preparation, is a substance of Unrivalled Purity, and Medicinal worth!

A solid extract derived by chemical process from very superior growths of wheat—nothing more!

It has justly acquired the reputation of being

The Standard Dietetic Preparation.

and has been recommended and certified to by a large number of chemists and physicians representing a very high degree of medical science as the Salubrious for Invalids and the Aged, a Superior Nutrition in Continued Fevers and a Reliable Nutrient Quant in all Diseases of the Stomach and Intestines: (often in instances of consultation over patients whose digestive organs were reduced to such a low and sensitive condition that the Granum was the only thing the stomach would tolerate when life seemed depending on its retention,) and an incomparable Aliment for the growth and Protection of Infants and Children, we do not hesitate however in saying that no food for the nursing can at all compare with a healthy mother's yield of milk, but when the breast fails to give sufficient quantity of nourishment, or the mother's milk is lacking in nutritive substance, — The Imperial Granum is, as has been proved in thousands of cases,

The Safest Food

Unlike these preparations made from animal or vinous matter, which are liable to stimulate the brain and irritate the digestive organs, it embraces in its elementary composition that which makes strong bone and muscle; that which makes good flesh and blood; that which is easy of Digestion, never constipating; that which is kind and friendly to the Brain, and that which acts as a preventive of those Intestinal Disorders incidental to childhood.

And while it would be difficult to conceive of anything in Food or Dessert more Creamy and Delicious, or more Nourishing and Strengthening as an Aliment in Fevers, Pulmonary Complaints, Dyspepsia, and General Debility, its pure Medicinal Excellence in all Intestinal Diseases, especially in Cholera, Dysentery, Chronic Diarrhoea, and Cholera Infantum, has been incontestably proven.



Wm. Stearns Chemist

SOLD BY DRUGGISTS SHIPING Depot, JOHN CARLE & SONS NEW YORK.

REVOLUTION.

No more destruction of leather loops or spilling of remedies.



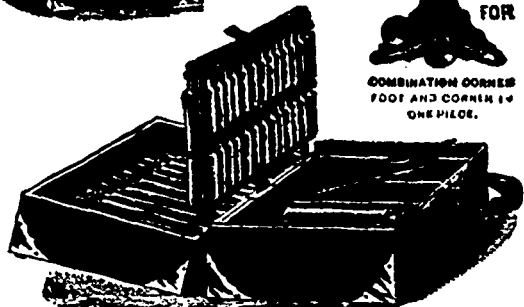
METAL SPRING.
Pat. July 31, 1890.



COMBINATION CORNER
FOOT AND CORNER IN
ONE PILE.

PAT.
AP'D
FOR

Springs used instead of loops, with stops or supports at head of the corks.



No. 1890 BUGGY CASE—OPEN.

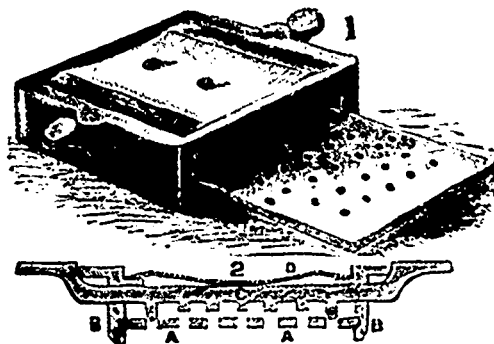
Much time and annoyance saved in taking out and replacing the bottles, and the durability of cases TEN TIMES that of the old way of constructing, by the use of these Patent Springs and the Combination Corner and Foot.

No. 1890 Medicine Case contains 5 two ounce bottles, 26 three drachm vials, and 26 one ounce vial. Space for powder papers, loops for instruments, etc. Dimensions, 12 inches long, 7 1/2 inches high, and 5 1/2 inches wide. Case made of black grained leather, leather lined, and mounted with nickel combination corners, nickel spring lock with key, and nickel name plate. Price, \$14.00. Send for full descriptive circular.

Western Leather Mfg. Co.,

SOLE MANUFACTURERS,
151 and 153 Fifth Avenue, CHICAGO.

Every Druggist Should Have Them!



Anderson's Tablet Triturate Machine.

SIMPLE, ACCURATE, DURABLE.

Tablets can be made in from one-half to one-third less time with this machine than is required with any other. Machines for making from 25 tablets up to 200.

ANDERSON'S PRESCRIPTION FILE.

COMPACT, COMPLETE, PERFECT.

This file is made in three styles, holding from 1000 to 6000 prescriptions each, and is the only practical prescription file ever devised.

Anderson's Double-pressure Percolator

PRACTICAL, SIMPLE, ECONOMICAL.

This Percolator is guaranteed to give satisfaction, and is suitable for making Tinctures, Fluid or Solid Extracts, Elixirs, etc. No matter what you want in the shape of a Percolator we can furnish one adapted to your wants.

For Catalogue and Price Lists of these and other Pharmaceutical Apparatus, Supplies, etc., address

ANDERSON MANUFACTURING Co.,

159 Jefferson Ave., DETROIT, MICH.
Or W. J. DYAS, Canadian Agent, Strathroy, Ont.

To Druggists:

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

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

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

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

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

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

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

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

CLARKE & CO.,

Wholesale and Retail Druggists, - KAMLOOPS, BRIT. COL.

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, \$3.75. Try a dozen with your first order.

ALL CANADIAN JOBBERS HAVE IT.

Manitoba Correspondence.

Believing that a few words about the drug trade of Winnipeg would be of some interest to the readers of the CANADIAN DRUGGIST, we have made a slight survey of the situation and will give it to you. The City of Winnipeg has an area of about 8,000 acres and a population of about 30,000. Not many to the square foot, you say. No, for the founders of this infant city had unbounded faith in its future, and proposed to give themselves elbow room, a provision we believe the near future will prove to have been a wise one. Main street, the principal retail street, is about four miles long, two miles of which on either side is occupied by continuous blocks of business places. This street is 132 feet wide and from the C. P. R. depot to Fort Rouge is block paved, and viewed from either of these points you are charmed with its beauty. However, we did not start out to write up the city, but to introduce to you the retail druggists, and for that purpose we will meet you at the C. P. R. depot and immediately conduct you across the street to Mr. J. C. Gordon's store. We are sure to find him in at this hour and just as sure of a cordial welcome for he has a heart into which he permits the sun to shine, and therefore always has a beam upon his countenance. He has been in business here for five years, and although he has but a small store, he does a good business and is one of the successful business men of the city.

We next drop in on Mr. N. H. Jackson, who has done business on Main St. for some years, but has occupied his present premises about one year. He manufactures a cough syrup, Foresters' Balsam, which has a large sale both in the city and country.

A little further down the street we find Mr. Pulford, who many Ontario druggists will remember as having represented Frederick Stearns & Co. He started in business here about three years ago and has now two stores both doing very good trades.

As we still pursue our journey we are delighted with a glimpse of the beautiful structure, the City Hall, in the square in front of which is the soldiers' monument. We will go into Messrs. Inman & Monckton's and enjoy the scene, as well as have the pleasure of meeting these two affable gentlemen. Mr. Inman, besides being a competent druggist, is one of the best shots in the Province, and we predict for him an opportunity in the near future to win laurels at Wimbledon. Mr. Monckton is a Torontonian, but came to this city from Montreal. He, too, as well as being a mighty man of valor with the pestle and mortar, is a good all-round athlete and has won many medals in snow shoe races and other sports. He is a member of the Council of the Pharmaceutical Association of Manitoba. This firm enjoys a large and profitable business and have a neat store. We will now visit Mr. Howard, who, like the rest, is a jolly good

fellow, as well as being a good apothecary. He was for some years connected with the Medical Hall, Montreal, and, taking his *que* from that institution, has made the dispensing department a leading feature of his business and enjoys one of the largest dispensing trades in the Dominion. He occupies good premises on the corner of Main and McDermott streets, directly opposite the Post Office, a good stand and a good business. Mr. Howard is Vice-President of the Council of the Pharmaceutical Association of Manitoba. We will now see one of the best appointed and handsomest drug stores in Canada, Mr. W. J. Mitchell's, who, after disposing of his wholesale business to Messrs. Martin, Rosser & Co., removed to Toronto, and has left his retail business under the able management of his brother, Howard E. Mitchell. As I said this is really a very beautiful store and they carry a varied stock, including a full line of surgical instruments, and do a large business.

We have but one more store to visit on Main street, then we will switch off to other points. Mr. J. H. Rose's store is directly opposite the new Northern Pacific Hotel, and when this is completed and occupied it will bring grist to his mill. Mr. Rose manufactures many preparations that have a good local sale.

We next call on Mr. Flexon whose first experience in this Province was in the once flourishing town of Emerson, where he did a large drug, stationery and fancy goods trade, but the floods came and the town collapsed. He will give us an amusing account of his experience during the flood when he meandered about his store in a row boat; and with a life preserver about his body and life preserver, in the shape of his goodly medicine, dangling from the end of a string, the other end of which he held on the house top and conveyed to the poor victim who, with chattering teeth, sat in the boat below.

About three years ago he moved to this city and occupies a store under the Clarendon Hotel, and although not in the thick of the business portion of the city, he has a good stand adjacent to the best residential part of the city and does a good trade. He is also a member of the Pharmaceutical Council.

Mr. Eddington is on Market Street, directly opposite the Market Square. He has been in business but a few months, having bought the business formerly carried on by Mr. Nichols. He is rapidly getting together a good trade.

Mr. Parkinson is the farthest removed from the business center but is located in a thickly settled portion of the city, and I am sure the residents appreciate the convenience of having a drug store in their midst as he is doing a good and growing trade.

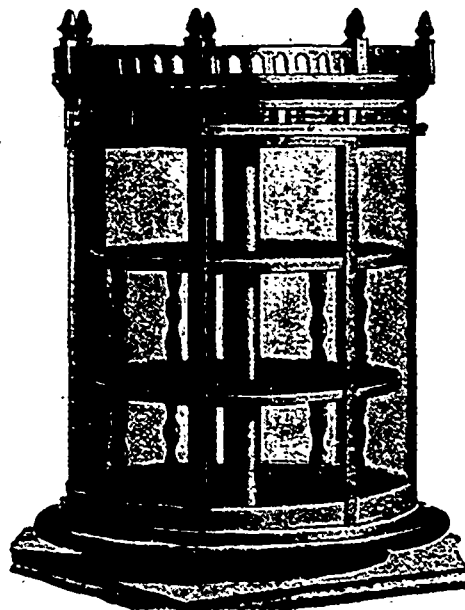
Dr. Lambert holds high carnival by himself across the river in St. Boniface where he caters to the wants of a population of about 3,000, and does a good business. He is the last druggist we have to call upon and I am sure we have been impressed with the geniality and business qualities of all the gentlemen we have met.

We have also been pleased to note the evidence of pleasant relationship that exists between the physicians and druggists. All of the doctors write prescriptions and I do not think any one of them receives a percentage. This is a desirable condition and one that will be sustained only by the druggists ever being ready to respond to the needs of physicians, which the druggists of this city do to a marked degree.

It has been demonstrated by numerous experiments that the natural color of pure distilled water is blue.

Take advantage of modern facilities, and accomplish as much in a single day as once-required weeks, months, or even years.

Goddard's Revolving Book and Show Case.



Patented May 14, 1889, and other Patents applied for.

It is round, 42 inches high, 31 inches in diameter. The bent glass are double strength French, 12x28 inches. The inside revolves by the ring at bottom upon anti-friction, cone-shaped rollers.

It turns as easily when filled as empty, no oil required. The frame holding the glass is stationary.

ELEGANTLY FINISHED IN
Antique Oak Veneering.

Price \$28.00.

For Physicians, Dentists, Oculists, Confectioners, Jewelers, Filing Case, &c., they are arranged to suit.

SEND FOR CIRCULAR.

CURTIS GODDARD, ALLIANCE, OHIO.



A GREAT Scientific Revelation.

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

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

Cured by the thousands during the past four years.

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

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

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

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

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

We want an exclusive Agent in every town in Canada.

Write for Pamphlets and Prices.

Wm. Radam Microbe Killer Co., (LIMITED)

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

Sole Manufacturers for the Dominion.

C. W. EMAN, General Manager.



For Sale Wholesale by
Toronto :

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

Hamilton :

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

London :

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

British Columbia :
LANGLEY & COMPANY.

Montreal :
EVANS & SONS, LTD.

THE SUCCESSFUL REMEDY

—FOR—

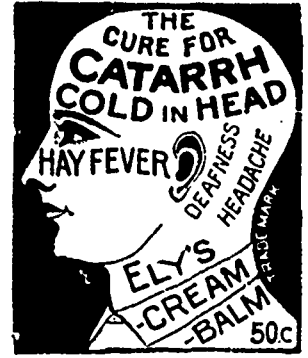
NASAL CATARRH

Must be Non-Irritating

Easy of application, and one that will, by its own action, reach all the remote 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.

The Northern Pine

REMEDY

IS A QUICK RELIEF AND RELIABLE CURE FOR

ASTHMA, HAY FEVER

—AND—

CATARRH.

It prevents and relieves more suffering than all other Asthma preparations. Testimonials free.

Trial Package, 10c. Box, \$1. 6 Boxes, \$5.

The Northern Pine Strengthening Plasters

WORN ON THE CHEST,

Are a great preventative from taking Cold, and never fail to Relieve and Cure Lame Side, Back or Stomach, and will prevent Rheumatism and a doctor's bill if used in time.

Price, 20c. or Six for \$1.00.

All are invited to send for Testimonials.

Sold by Druggists generally or by mail direct from

JAMES L. LEAVITT,

Attleboro, Mass., U. S.

Marvellous!



Wonderful!

"ALUMINUM"

Druggists' Mortar Watch Charm

The finest work ever executed in this metal.

WARRANTED 98% FINE. MADE SOLID (NOT HOLLOW)

Five times stronger than gold.

One-quarter the weight of silver.

Will not tarnish or corrode.

Sent on receipt of price, \$1.02 each.

Money refunded if not as represented.

Duryea Jewelry Co.,

180 Broadway, N. Y. City.

YOUR STOCK IS INCOMPLETE WITHOUT

- Bloxam's Electric Hair Restorer, (retails at 50c.)
- Case's Sarsaparilla Bitters, (retails at 50c. & \$1.00.)
- " Syr. Tamarac Gum, (retails at 25c. & 50c.)
- " Corn Cure, (retails at 25c.)
- " Rosaderna, (retails at 25c.)

TERMS, 5% OFF 30 DAYS OR 4 MONTHS.

MANUFACTURED BY

H. SPENCER CASE,

HAMILTON, ONT.

Order direct, or through Messrs. J. WINER & CO., or A. WILSON & CO.

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.

Every druggist should read page 9.

Read that change of advt. on page 13, about Johnston's Fluid Beef, and see that you have stock of all sizes.

Look at that advt. on page 19, "How to do Business." Money spent in the purchase of this book, will prove a good investment.

We would direct special notice to the advt. of Lyman Bros. & Co., of Toronto, which appears on page 4 of each number of this journal. Watch it every month, you will always see something new.

We have much pleasure in calling the attention of druggists to the advt. of Fairchild Bros. & Foster, on page 13 of this issue. All the preparations of this house are so well and favorably known that merely to mention them is to cause the druggist to look up his stock of these staple goods.

Whittaker & Grossmith's Old English Transparent Soaps are rapidly growing in favor with the drug trade. They are undoubtedly fully equal to any made, can be confidently recommended to the public and as they are sold to druggists only a liberal profit can be made upon them. Look carefully at the advt. above prices current.

Do you purpose dealing in soda water this season? If so, is your fountain one that will make money for you? Or do you want a new fountain built in the latest style, with all the recent improvements, and that can be purchased on easy terms? Write to J. W. Tufts, Boston, mentioning this journal and you will receive every information.

One of the neatest and most useful designs in show cases is that illustrated on page 26. For perfumery or toilet goods or many lines of sundries this case must recommend itself as calculated to occupy less space and display goods to better advantage than the majority of cases now offered. It also makes a very useful book or office case. Write to Curtis Goddard, Alliance, Ohio, for prices for special fittings, etc.

Camphorated Oil, saturated, will dissolve 6 per cent. of iodoform.

A remedy for constipation is proposed by Dr. Platan, of Berlin. It is to blow a pinch of powdered boracic acid into the rectum.

The Italian Pharmacopœia is announced as ready for publication. The commission consists of Professors Moleschott, Corradi, Corroni-Guareschi and Vitali, and Doctors De Cesaris and Tacconi, the latter two being eminent pharmacologists,

Drug Review.

Trade during the holiday season is reported as having been fairly active. In fancy goods some lines have sold well and those who handled new designs have reason to congratulate themselves, as the older styles of holiday goods are fast becoming "stickers." On the whole business has been better than anticipated and the prospect for the new year is encouraging.

Norwegian Cod Liver Oil—price remains about the same as last quotation, but sellers are expecting higher prices on account of reported scarcity abroad. Mercurials, somewhat easier. Insect Powder will be lower. Tartaric and Citric Acid are firmer and tending upward. Cocaine, scarce and higher. Opium, unchanged; owing to a heavy fall of rain in Turkey good sowings have been made, if weather continues good crop will be large; total stock of Opium in first hands small. Quinine, unchanged, Rad Ipecac, firm and scarce. Rad Orris is very high and tending upward. Shellac, firm.

The following goods are all higher: Bals. Peru, Fol. Buchu, Oil Lemon, Oil Peppermint, Salacine, Fennel Seed.

Gold Seed, easier; Gold Thread and Ladies' Slipper, higher.

GUM ARABIC VARIETIES.—Among the gums regularly harvested in Arabia the Mecca gum is most important. Though often of a decided reddish color it gives a clear transparent solution, and can replace the more expensive Senegal gum in many cases, especially, too, because it is brought to the market in considerable quantity. In the light yellow variety the good properties of the reddish kind are present in a greater degree. The gum is harvested in Arabia early in spring, and supplies reach the market as early as May. The Gondifelh gum is less well known, because the yield is very small. It occurs in tears or irregular masses of vermicular pieces, is nearly colorless or only slightly yellow, but often very unclean. Notwithstanding its appearance, this variety is very useful for technical purposes, owing to its great adhesive properties, which it possesses in marked degree. The same is true of Imbau gum, which consists of colorless or amber colored broken pieces with sharp angles. The name Imbau means from the vicinity of the Yambo or Yembo. A more correct name would be Yambau gum. Scherghi-Mecca gum is another variety used considerably, from which a number of selections are made, which are often sold as Ghezirah gum.—*Apoth. Zeitung.*

"Which is the best position in which to sleep?" asked a patient. "I usually lie down," replied the doctor.

The metric system will soon become the sole legal standard for Mexico, the government having adopted the advice of the recommendations of the International American conference on this subject,



Special price in 1 to 5 gross lots.

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

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

NOS. 111 AND 113 WILLIAM ST., AND NOS. 61, 63 AND 65 JOHN ST., NEW YORK.

W. M. J. DYAS,

Chemist & Druggist

MEDICAL HALL,

Strathroy, Ont.

—AGENT FOR—

Pharmaceutical Specialties

—AND—

SUNDRIES.

WHITAKER & GROSSMITH'S

OLD ENGLISH

PURE TRANSPARENT SOAPS.

Absolutely free from the irritating effects of the cheap imitations. These can be readily detected in other soaps by applying the tongue, when the powerful erosive action which these noxious articles have on the skin will be at once perceived.

Unscented Ovals, 6 ^d in 3 doz. boxes,	\$15 gross	No. 2 Balls, in 1 doz. boxes,	\$48 gross
30% Glycerine, in 1 doz. parcels,	18 "	No. 1 Shaving Sticks, in 1 doz. boxes,	18 "
30% Glycerine, in 1/2 doz. boxes,	18 "	No. 2 Shaving Sticks, in 1 doz. boxes,	21 "
No. 1 Balls, in 1 doz. boxes,	21 "	No. 3 Shaving Sticks, in 1 doz. boxes,	\$3.60 doz.

We sell these Goods to DRUGGISTS ONLY, and thus secure the Trade a handsome profit.

SAMPLE CAKES mailed upon receipt of price in stamps.

ARCHDALE WILSON & CO., Hamilton,

Sole Agents for Canada.

Canadian Druggist Prices Current:

CORRECTED TO JANUARY 10th, 1891.

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.

<p>ALCOHOL, gal..... \$3 68 \$3 85 Methyl, gal..... 1 90 2 00 ALLSPICE, lb..... 13 15 Powdered, lb..... 15 17 ALOIN, oz..... 40 45 ANODYNE, Hoffman's bot., lbs... 50 55 ARROWROOT, Bermuda, lb..... 45 50 St. Vincent, lb..... 15 18 BALSAM, Fir, lb..... 45 50 Copaiba, lb..... 75 1 00 Peru, lb..... 2 50 2 75 Tolu, can or less, lb..... 75 80 BARK, Barbary, lb..... 22 25 Bayberry, lb..... 15 18 Buckthorn, lb..... 15 17 Canella, lb..... 15 17 Cascara Sagrada..... 30 35 Cascarilla, select, lb..... 18 20 Cassia, in mats, lb..... 18 20 Cinchona, red, lb..... 60 65 Powdered, lb..... 65 70 Yellow, lb..... 35 40 Pale, lb..... 40 45 Elm, selected, lb..... 16 18 Ground, lb..... 17 20 Powdered, lb..... 20 25 Hemlock, crushed, lb..... 18 20 Oak, white, crushed, lb..... 15 17 Orange peel, bitter, lb..... 15 16 Prickly ash, lb..... 35 40 Sassafras, lb..... 13 15 Soap (quillaya), lb..... 13 15 Wild cherry, lb..... 13 15 BEANS, Calabar, lb..... 45 50 Tonka, lb..... 1 50 2 75 Vanilla, lb..... 6 00 9 00 BERRIES, Cubeb, sifted, lb..... 2 50 2 60 powdered, lb..... 2 60 2 70 Juniper, lb..... 10 12 Ground, lb..... 12 14 Prickly ash, lb..... 40 45 Buds, Balm of Gilead, lb..... 55 60 Cassia, lb..... 25 30 BUTTER, Cacao, lb..... 75 80 CAMPHOR, lb..... 65 85 CANTHARIDS, Russian, lb..... 2 40 2 10 Powdered, lb..... 2 10 2 20 CAUSIUM, lb..... 25 30 Powdered, lb..... 30 35 CARBON, Bisulphide, lb..... 16 18 CARMINE, No. 40, oz..... 40 50</p>	<p>CASTOR, Fibre, lb..... 7 50 8 00 CHALK, French, powdered, lb... 10 12 Precip., see Calcium, lb..... 10 12 Prepared, lb..... 5 6 CHARCOAL, Animal, powd., lb... 4 5 Willow, powdered, lb..... 20 25 CLOVE, lb..... 25 30 Powdered, lb..... 30 25 COCHINEAL, Honduras, lb..... 40 45 COLLOIDION, lb..... 75 80 Cantharidal, lb..... 2 50 2 75 CONFERTION, Senna, lb..... 25 30 Cresote, Wood, lb..... 2 00 2 50 CUTTLEFISH BONE, lb..... 35 40 DEXTRINE, lb..... 10 12 DOVER'S POWDER, lb..... 1 50 1 60 ERECT, Spanish, lb..... 75 80 Powdered, lb..... 90 1 09 ERGOTIN, Keith's, oz..... 2 00 2 10 EXTRACT, Logwood, bulk, lb... 13 14 Pounds, lb..... 14 17 FLOWERS, Arnica, lb..... 15 20 Calendula, lb..... 55 60 Chamonille, Roman, lb..... 30 35 German, lb..... 30 35 Elder, lb..... 29 22 Lavender, lb..... 12 15 Rose, red, French, lb..... 1 60 2 00 Rosemary, lb..... 25 30 Saffron, American, lb..... 35 40 Spanish, Val'a, oz..... 1 00 1 25 GELATINE, Cooper's lb..... 1 20 1 25 French, white, lb..... 40 50 GLYCERINE, lb..... 19 22 GUARANA, lb..... 3 00 3 25 Powdered, lb..... 3 25 3 50 GUM ALOES, Cape, lb..... 18 20 Barbadoes, lb..... 30 50 Socotrine, lb..... 65 70 Assafetida, lb..... 23 25 Arabic, 1st, lb..... 1 00 1 10 Powdered, lb..... 1 10 1 20 Sifted sorts, lb..... 75 80 Sorts, lb..... 60 75 Benzoin, lb..... 50 1 00 Catechu, Black, lb..... 9 20 Gamboge, powdered, lb..... 1 30 1 35 Guaiac, lb..... 80 1 00 Powdered, lb..... 90 1 20 King, true, lb..... 45 48 Myrrh, lb..... 15 48 Powdered, lb..... 55 60 Opium, lb..... 4 50 4 75 Powdered, lb..... 6 00 7 00 Scammony, pure Resin, lb.... 12 80 13 00 Shellac, lb..... 35 40</p>	<p>Bleached, lb..... 45 50 Spruce, true, lb..... 30 35 Tragacanth, flake, 1st, lb..... 1 00 1 10 Powdered, lb..... 1 10 1 15 Sorts, lb..... 25 75 Thus, lb..... 8 10 HEB, Althea, lb..... 27 30 Bitterwort, lb..... 27 30 Burdock, lb..... 16 18 Boneset, ozs, lb..... 15 17 Catnip, ozs, lb..... 17 20 Chiretta, lb..... 25 30 Coltsfoot, lb..... 20 38 Feverfew, ozs, lb..... 53 55 Grindelia tolnsta, lb..... 45 50 Hoarhound, ozs, lb..... 17 20 Jaborandi, lb..... 45 50 Lemon Balm, lb..... 38 40 Liverwort, German, lb..... 40 45 Lobelia, ozs, lb..... 15 20 Motherwort, ozs, lb..... 20 22 Mullein, German, lb..... 17 20 Pennyroyal, ozs, lb..... 17 20 Peppermint, ozs, lb..... 21 25 Rue, ozs, lb..... 30 35 Sage, ozs, lb..... 15 18 Spearmint, lb..... 21 25 Thyme, ozs, lb..... 18 20 Tansy, ozs, lb..... 15 18 Wormwood, oz..... 20 22 Yerba Santa, lb..... 38 44 HONEY, lb..... 12 13 Hops, fresh, lb..... 30 35 INDIGO, Madras, lb..... 75 80 INSECT POWDER, lb..... 32 35 ISINGLASS, Brazil, lb..... 2 00 2 10 Russian, true, lb..... 6 00 6 50 LEAF, Aconite, lb..... 25 30 Bay, lb..... 19 20 Belladonna, lb..... 25 36 Buchu, long, lb..... 40 45 Short, lb..... 15 18 Coct, lb..... 55 60 Digitalis, lb..... 25 30 Eucalyptus, lb..... 18 20 Hyoscyamus..... 25 30 Matico, lb..... 70 75 Senna, Alexandria, lb..... 25 30 Timevelly, lb..... 15 25 Stramonium, lb..... 20 25 Uva Ursi, lb..... 15 18 LEECHES, Swedish, doz..... 1 00 1 10 LEONICE, Solazzi..... 45 50 Pignatelli..... 35 40 Grasso..... 30 35 Y & S—Sticks, 6 to 1 lb., per lb 27 30</p>
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Y & S—Purity, 100 sticks in box	75	75	Unicorn, lb.	38	40	Subcarbonate, lb.	2	75	3	00			
“ Purity, 200 sticks in box	1	50	1	50	Valeian, English, lb true	20	25	Subnitrate, lb.	2	40	2	00	
“ Acno Pellets, 5 lb. tins	2	00	2	00	Virginia Snake, lb.	40	45	BORAX, lb.	10	12			
“ Lozenges, 5 lb. tins	1	50	1	75	Yellow Dock, lb.	15	18	Powdered, lb.	11	12			
“ Tar, Licorice & Tolu, 5 lb. tins	2	00	2	00	Rum, Bay, gal.	2	25	BROMINE, oz.	8	13			
LUPULIN, oz.	30	35	Burdock, lb.	30	35	Essence, lb.	3	00	3	25			
LYCOPodium, lb.	70	80	SACCHARIN, oz.	1	00	2	00	CADMIUM, Bromide, oz.	20	25			
MACE, lb.	1	20	1	25	SEED, Anise, Italian, sifted, lb.	13	15	Iodide, oz.	45	50			
MANNA, lb.	1	60	1	75	Star, lb.	35	40	CALCIUM, Hypophosphite, lb.	1	50	1	00	
MOSS, Iceland, lb.	9	10	Canary, bag or less, lb.	4	5	Cardamom, lb.	1	25	1	05	1	00	
Irish, lb.	9	10	Caraway, lb.	10	13	Celery	20	25	Iodide, oz.	35	38		
MUSK, Touquin, oz.	46	00	50	00	Colecium	1	00	1	20	25			
NUTGALLS, lb.	21	25	Pumpkin	25	30	Coriander, lb.	10	12	Sulphide, oz.	5	6		
Powdered, lb.	25	30	Quince, lb.	10	12	Cumin, lb.	15	20	CERUM, Oxalate, oz.	10	12		
NUTMEGS, lb.	1	00	1	10	Rape, lb.	8	9	CINCHONINE, sulphate, oz.	1	35	1	50	
NUX VOMICA, lb.	10	12	SEIDLITZ MIXTURE, lb.	25	30	Strophanthus, oz.	50	55	CROTON, oz.	75	80		
Powdered, lb.	22	25	White, Conti's, lb.	15	16	Worm, lb.	65	75	CHLORAL, Hydrate, lb.	1	35	1	50
OAKUM, lb.	12	15	Powdered, lb.	25	35	SOAP, Castile, Mottled, pure, lb.	10	12	CHLOROFORM, lb.	50	1	75	
OINTMENT, Merc., lb. $\frac{1}{2}$ and $\frac{1}{4}$	70	75	Green (Sapo Viridis), lb.	12	25	White, Conti's, lb.	15	16	CINCHONINE, sulphate, oz.	25	30		
Citric, lb.	45	50	SPERMACEIN, lb.	55	60	Powdered, lb.	25	35	CINCHONINE, Sulph., oz.	15	20		
PARALDEHYDE, oz.	15	18	TEMPERINE, Chian, oz.	75	80	Green (Sapo Viridis), lb.	12	25	COCAINE, Mur., oz.	10	00	10	00
PEPPER, black, lb.	22	25	Venice, lb.	10	12	SPERMACEIN, lb.	55	60	COPPER, Sulph. (Blue Vitrol) lb.	7	8		
Powdered, lb.	25	30	WAX, White, lb.	50	75	White, Conti's, lb.	15	16	Iodide, oz.	65	70		
PIPERIT, black, lb.	3	4	Yellow	40	45	Powdered, lb.	25	35	COPPERAS, lb.	1	3		
Bergundy, true, lb.	10	12	Wool, Guaiac, rasped	5	6	Green (Sapo Viridis), lb.	12	25	ETHER, Acetic, lb.	75	80		
PLASTER, Calcined, bbl. cash	2	25	3	25	Quassia chips, lb.	10	12	Sulphuric, lb.	35	40			
Adhesive, yd.	12	13	Red Saunders, ground, lb.	5	6	Santal, ground, lb.	5	6	EXALGINE, oz.	1	00	1	10
Belladonna, lb.	80	85	ACID, Acetic, lb.	10	12	ACID, Acetic, lb.	10	12	HYOSCYAMINE, Sulp., crystals, gr.	25	30		
Gallanum Comp., lb.	80	85	Glacial, lb.	45	50	Benzoic, English, oz.	20	25	IODINE, Resublimed, lb.	5	00	5	50
Lead, lb.	25	30	Benzoic, German, oz.	10	12	German, oz.	10	12	IODOFORM, lb.	6	00	7	00
PORRY HEANS, per 100	85	90	Boracic, lb.	20	25	Boracic, lb.	20	25	IODOI, oz.	1	30	1	40
ROSTS, Common, lb.	2	3	Carbolic Crystals, lb.	40	45	Carbolic Crystals, lb.	40	45	IRON, by Hydrogen	1	00	1	10
White, lb.	3	3	Calvert's No. 1, lb.	2	10	2	15	Carbonate, Precip., lb.	15	16			
RESORCIN, White, oz.	25	30	Calvert's No. 2, lb.	1	35	1	40	Sacch., lb.	35	40			
ROCHELLE SALT, lb.	30	32	Citric, lb.	60	65	Citric, lb.	60	65	Chloride, lb.	45	55		
ROOF, Aconite, lb.	22	25	Gallic, oz.	10	12	Gallic, oz.	10	12	Sol., lb.	13	16		
Althea, cut, lb.	30	35	Hydrobromic, diluted, lb.	30	35	Hydrobromic, diluted, lb.	30	35	Citrate, U. S. P., lb.	90	1	00	
Belladonna, lb.	25	30	Hydrocyanic, diluted, oz. bot-	1	50	1	60	And Ammon., lb.	75	80			
Blood, lb.	15	16	ties doz	1	50	1	60	And Quinine, lb.	1	50	3	00	
Bitter, lb.	27	30	Lactic, concentrated, oz.	22	25	Lactic, concentrated, oz.	22	25	Quin. and Stry., oz.	35	40		
Blackberry, lb.	15	18	Muriatic, lb.	3	5	Muriatic, lb.	3	5	And Strychnine, lb.	13	15		
Burdock, crushed, lb.	18	20	Chem, pure, lb.	18	20	Chem, pure, lb.	18	20	Dialyzed, Solution, lb.	50	55		
Calamus, sliced, white, lb.	20	25	Nitric, lb.	10	13	Nitric, lb.	10	13	Ferrocyanide, lb.	55	60		
Canada Snake, lb.	30	35	Chem, pure, lb.	25	30	Chem, pure, lb.	25	30	Hypophosphites, oz.	20	25		
Cobosh, Black, lb.	15	20	Oleic, purified, lb.	75	80	Oleic, purified, lb.	75	80	Iodide, oz.	40	45		
Colecium, lb.	40	45	Oxalic, lb.	12	13	Oxalic, lb.	12	13	Syrup, lb.	45	50		
Columbo, lb.	20	22	Phosphoric, glacial, lb.	1	00	1	10	Lactate, oz.	5	6			
Powdered, lb.	25	30	Dilute, lb.	13	17	Dilute, lb.	13	17	Permanganate, solution, lb.	15	16		
Coltsfoot, lb.	38	40	Pyrogallie, oz.	35	40	Pyrogallie, oz.	35	40	Phosphate scales, lb.	75	80		
Confrey, crushed, lb.	20	25	Salicylic, white, lb.	2	00	2	65	Sulphate, pure, lb.	7	9			
Curcuma, powdered, lb.	13	14	Sulphuric, carboy, lb.	2	1	2	27	Exsiccated, lb.	8	10			
Dandelion, lb.	15	18	Bottles, lb.	5	6	Bottles, lb.	5	6	And Potass. Tartrate, lb.	80	85		
Elecampane, lb.	15	10	Chem. pure, lb.	18	20	Chem. pure, lb.	18	20	And Ammon. Tartrate, lb.	85	90		
Galangal, lb.	15	18	Tannic, lb.	1	10	1	25	LEAD, Acetate, white, lb.	13	15			
Gelsemium, lb.	22	25	Tartaric, powdered, lb.	45	50	Tartaric, powdered, lb.	45	50	Carbonate, lb.	7	8		
Gentian, lb.	9	10	ACETANILIN, oz.	10	12	ACETANILIN, oz.	10	12	Iodide, oz.	35	40		
Ground, lb.	10	12	ACONITINE, grain	4	5	ACONITINE, grain	4	5	Red, lb.	7	9		
Powdered, lb.	13	15	ALUM, cryst. lb.	1	3	1	3	LIME, Chlorinated, bulk, lb.	3	4			
Ginger, African, lb.	11	12	Powdered, lb.	3	4	Powdered, lb.	3	4	One lbs.	6	7		
Po., lb.	13	15	AMMONIA, Liquor, lb.	12	15	AMMONIA, Liquor, lb.	12	15	LITHIUM, Bromide, oz.	40	45		
Jamaica, blehd., lb.	22	25	AMMONIUM, Bromide, lb.	65	75	AMMONIUM, Bromide, lb.	65	75	Carbonate, oz.	30	35		
Po., lb.	28	30	Carbonate, lb.	12	13	Carbonate, lb.	12	13	Citrate, oz.	25	30		
Ginseng, lb.	4	00	Iodide, oz.	35	40	Iodide, oz.	35	40	Iodide, oz.	50	55		
Golden Seal, lb.	75	80	Nitrate, crystals, lb.	40	45	Nitrate, crystals, lb.	40	45	Salicylate, oz.	35	40		
Gold Thread, lb.	90	95	Muriate, lb.	12	16	Muriate, lb.	12	16	MAGNESIUM, Calc., lb.	55	60		
Hellebore, White, powd., lb.	12	15	Valerianate, oz.	55	60	Valerianate, oz.	55	60	Carbonate, lb.	18	20		
Indian Hemp	18	30	AMYL, Nitrite, oz.	16	18	AMYL, Nitrite, oz.	16	18	Citrate, gran., lb.	40	45		
Ipeacac, lb.	2	90	ANTIPYRIN, oz.	1	00	1	10	Sulph. (Epsom salt), lb.	1	3			
Powdered, lb.	3	10	ARISTOL, oz.	2	25	2	40	MANGANESE, Black Oxide, lb.	5	7			
Jalap, lb.	55	60	ARSENIC, Donovan's sol., lb.	25	30	ARSENIC, Donovan's sol., lb.	25	30	METHUOL, oz.	25	30		
Powdered, lb.	69	65	Fowler's sol., lb.	13	15	Fowler's sol., lb.	13	15	MERCURY, lb.	90	95		
Kava Kava, lb.	40	90	Iodide, oz.	35	40	Iodide, oz.	35	40	Ammon (White Precip.),	1	50	1	55
Licorice, lb.	12	15	Nitrate, crystals, lb.	40	45	Nitrate, crystals, lb.	40	45	Chloride, Corrosive, lb.	1	20	1	25
Powdered, lb.	13	15	Muriate, lb.	12	16	Muriate, lb.	12	16	Calomel, lb.	1	50	1	60
Mandrake, lb.	13	18	Valerianate, oz.	55	60	Valerianate, oz.	55	60	With Chalk, lb.	65	70		
Masterwort, lb.	16	40	AMYL, Nitrite, oz.	16	18	AMYL, Nitrite, oz.	16	18	Iodide, Proto, oz.	35	40		
Orris, Florentine, lb.	15	20	ANTIPYRIN, oz.	1	00	1	10	Bin., oz.	30	35			
Powdered, lb.	20	22	ARISTOL, oz.	2	25	2	40	Oxide, Red, lb.	1	50	1	55	
Pareira Brava, true, lb.	40	45	ARSENIC, Donovan's sol., lb.	25	30	ARSENIC, Donovan's sol., lb.	25	30	Pill (Blue Mass), lb.	70	75		
Pink, lb.	75	80	Fowler's sol., lb.	13	15	Fowler's sol., lb.	13	15	MILK SUGAR, powdered, lb.	50	55		
Parsley, lb.	30	35	Iodide, oz.	35	40	Iodide, oz.	35	40	MORPHINE, Acetate, $\frac{1}{2}$ ozs., oz.	2	00	2	10
Pleurisy, lb.	20	25	Nitrate, crystals, lb.	40	45	Nitrate, crystals, lb.	40	45	Muriate $\frac{1}{2}$ ozs., oz.	1	90	2	00
Poke, lb.	15	18	Muriate, lb.	12	16	Muriate, lb.	12	16	Sulphate, $\frac{1}{2}$ ozs., oz.	1	90	2	00
Queen of the Meadow, lb.	18	20	Valerianate, oz.	55	60	Valerianate, oz.	55	60	PERSIN, Saccharated, oz.	35	40		
Rhatany, lb.	20	30	AMYL, Nitrite, oz.	16	18	AMYL, Nitrite, oz.	16	18	PHENACETINE, oz.	1	10	1	15
Rhubarb, lb.	75	2	50	00	ANTIPYRIN, oz.	1	00	1	10	1	15		
Sarsaparilla, Houd, lb.	40	45	ARISTOL, oz.	2	25	2	40	PHOCARPINE, Muriate, grain.	5	6			
Scut, lb.	50	55	ARSENIC, Donovan's sol., lb.	25	30	ARSENIC, Donovan's sol., lb.	25	30	PIPERIN, oz.	1	00	1	10
Senega, lb.	55	65	Fowler's sol., lb.	13	15	Fowler's sol., lb.	13	15	PHOSPHORUS, lb.	90	1	10	
Squill, lb.	13	15	Iodide, oz.	35	40	Iodide, oz.	35	40	POTASSA, Caustic, white, lb.	55	60		
Stillingia, lb.	22	25	White, lb.	6	7	White, lb.	6	7	POTASSIUM, Acetate, lb.	35	40		
Powdered, lb.	25	27	ATROPINE, Sulp., in $\frac{1}{2}$ ozs., oz.	7	00	8	00	Bicarbonate, lb.	15	17			
			BISMUTH, Ammonia-citrate, oz.	40	45	BISMUTH, Ammonia-citrate, oz.	40	45	Bichromate, lb.	12	13		
								Bitrat (Cream Tart.), lb.	28	30			
								Bromide, lb.	45	50			
								Carbonate, lb.	11	16			

Chlorate, Eng., lb.....	18	20	VERATRINE, oz.....	2 00	2 10	Lemongrass, lb.....	1 50	1 60
Powdered, lb.....	23	25	Zinc, Acetate, lb.....	70	75	Mustard, Essential, oz.....	60	65
Citrate, lb.....	75	90	Carbonate, lb.....	25	30	Neroli, lb.....	4 25	4 50
Cyanide, fused, lb.....	40	55	Chloride, granular, oz.....	13	15	Orange, lb.....	3 75	5 00
Hypophosphites, oz.....	10	12	Iodide, oz.....	60	65	Sweet, lb.....	3 25	3 50
Iodide, lb.....	3 75	4 00	Oxide, lb.....	13	60	Origanum, lb.....	1 65	70
Nitrate, gran., lb.....	8	10	Sulphate, lb.....	9	11	Patchouli, oz.....	1 75	1 80
Permanganate, lb.....	65	70	Valerianate, oz.....	25	30	Pennyroyal, lb.....	2 00	2 10
Prussiate, Red, lb.....	50	55	ESSENTIAL OILS.			Peppermint, lb.....	4 00	4 50
Yellow, lb.....	32	35	Oil, Almond, bitter, oz.....	75	80	Pimento, lb.....	2 60	2 75
And Sod. Tartrate, lb.....	30	35	Sweet, lb.....	50	60	Rhodium, oz.....	80	85
Sulphuret, lb.....	25	30	Amber, crude, lb.....	40	45	Rose, oz.....	6 00	7 00
PROPYLAMINE, oz.....	35	40	Rec't, lb.....	65	70	Rosemary, lb.....	70	75
QUININE, Sulph., bulk.....	35	40	Anise, lb.....	2 75	3 00	Rue, oz.....	25	30
Ozs., oz.....	40	45	Bay, oz.....	50	60	Sandalwood, lb.....	5 50	9 00
QUINIDINE, Sulphate, ozs., oz.....	16	20	Bergamot, lb.....	5 00	5 25	Sassafras, lb.....	65	70
SALICIN, oz.....	22	25	Cade, lb.....	90	1 00	Savin, lb.....	1 60	1 75
SANTONIN, oz.....	20	22	Cajuput, lb.....	1 80	1 90	Spearmint, lb.....	6 00	6 25
SILVER, Nitrate, cryst., oz.....	95	1 00	Capsicum, oz.....	60	65	Spruce, lb.....	65	70
Fused, oz.....	1 00	1 10	Caraway, lb.....	3 50	3 75	Tansy, lb.....	4 25	4 50
SODIUM, Acetate, lb.....	30	35	Cassia, lb.....	1 50	1 60	Thyme, white, lb.....	1 80	1 90
Bicarbonate, kgs., lb.....	2 50	2 75	Cinnamon, Ceylon, oz.....	1 50	1 60	Wintergreen, lb.....	3 00	3 50
Bromide, lb.....	63	65	Citronelle, lb.....	70	75	Wormseed, lb.....	3 50	3 75
Carbonate, lb.....	3	6	Clove, lb.....	2 25	2 40	Wormwood, lb.....	6 50	6 75
Hypophosphite, oz.....	10	12	Copaiba, lb.....	1 60	1 75	FIXED OILS.		
Hyposulphite, lb.....	3	6	Croton, lb.....	1 50	1 75	CASTOR, lb.....	13	14
Iodide, oz.....	40	45	Cubeb, lb.....	20 00	22 00	COU LIVER, N. F., gal.....	1 00	1 50
Salicylate, oz.....	15	17	Cumin, lb.....	5 50	6 00	Norwegian, gal.....	1 25	1 50
Sulphate, lb.....	2	3	Erigeron, oz.....	20	25	COTTONSEED, gal.....	1 10	1 20
Sulphite, lb.....	10	12	Eucalyptus, lb.....	2 00	2 10	LARD, gal.....	90	1 00
SPRIT NITRE, lb.....	30	55	Fennel, lb.....	1 60	1 75	LINSEED, boiled, gal.....	75	78
STRONTIUM, Nitrate, lb.....	18	20	Geranium, oz.....	1 75	1 80	Raw, gal.....	73	75
STRYCHNINE, crystals, oz.....	1 10	1 20	Rose, lb.....	3 20	3 50	NEATSFOOT, gal.....	1 25	1 30
SULFONAL, oz.....	60	70	Juniper berries (English), lb.....	4 50	5 00	OLIVE, gal.....	1 35	1 40
SULPHUR, Flowers of, lb.....	2 1	4	Wood, lb.....	70	75	Salad, gal.....	2 25	2 40
Pure precipitated, lb.....	13	20	Lavender, Chiris. Fleur, lb.....	3 00	3 50	PALM, lb.....	12	13
TARTAR EMEIC, lb.....	50	55	Garden, lb.....	1 50	1 75	SPERM, gal.....	1 60	1 75
THYMOL, (Thymic acid), oz.....	60	65	Lemon, lb.....	2 00	2 25	TERPENTINE, gal.....	70	75

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