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CANADIAN DRUGGIST.

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

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

JUNE, 1891.

{ 6 WELLINGTON ST. WEST. } No. 6.
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.

Association Meeting—District No. 11.

LAST month when our edition was in the printer's hands, a report of the meeting of this Association, which was held in St. Thomas on April 16th, was received, but too late to receive insertion in full. At that meeting a resolution was passed severely censuring the council of the college for discharging the professors. Some doubt having been expressed as to the accuracy of the published report of the proceedings, the president, W. O. Foster, of St. Thomas, called a special meeting of the association for May 27th in London, when the following members were present:—Messrs. F. Holman, G. T. Lawrence, W. T. Strong, W. E. Saunders, B. A. Mitchell, C. McCallum, J. Callard, E. B. Boyle, W. S. Barkwell, J. Burkholder, J. Jepson, of London; W. O. Foster, R. Old, A. W. Harrison, F. J. Reynolds, D. McCall, of St. Thomas, and N. McDiarmid. Mr. J. Callard, of London, presided, and invited Messrs. A. B. Petrie, of Guelph, and J. J. Hall, of Woodstock, to take part in the proceedings.

An animated discussion took place relating to the resolution passed at the former meeting and council matters in general, the meeting not adjourning until after midnight.

After hearing an explanation from the present representative, Mr. L. T. Lawrence, to the effect that he would give an independent support to the council and

the newly engaged staff, the St. Thomas resolution was repudiated in the following resolution which carried by a large majority:—

Moved by A. W. Harrison, seconded by C. McCallum, that the sentiments of the motion passed at the last meeting of District Eleven, condemning the action of the council be not concurred in by this meeting; but the report as sent to the *Pharmaceutical Journal* is correct.

Also that Mr. L. T. Lawrence be the candidate for District Eleven, and if elected, to give an independent vote.

Pharmaceutical Association District No. 6.

THE annual meeting of the druggists of District No. 6, comprising Wellington, Dufferin and Peel, was held in the council chamber at Orangeville, on the 11th inst. The Mayor of the town in a very felicitous manner gave a cordial welcome to the association.

Members present. Messrs. A. B. Petrie and Smith, of Guelph; McCollum, Milton; Smith and Morrow, Elora; Perry and Phillips, Fergus; Forrester, Palmerston; Caldeugh, Jamieson and Youmans, Mt. Forest; Kilgour, Arthur; Woods, Erin; Dodds, Stevenson and Turner, Orangeville.

The general interests of the association were freely discussed, and the following resolution was unanimously adopted.

"That this association approves of the action of the present council in their efforts to place the Ontario College of Pharmacy on a proper basis and in keeping with similar institutions, as well as protecting the interests of the retail druggists; and as Mr. A. B. Petrie has been a warm supporter of said council, we pledge ourselves to support him as nominee of this association at the ensuing election."

The following officers were elected for the current year: Messrs. Caldeugh, president; Turner, first vice president; McCollum, second vice president; Perry, third vice president; Smith, treasurer; Phillips, secretary.

The local druggists invited the association to dinner at the Queen's Hotel.

The thanks of the association were tendered to the mayor and citizens for the hearty reception accorded, and the next meeting was appointed to be held at the city of Guelph, on the 9th day of May, 1892.

ROBERT PHILLIPS, Secretary.

Pharmaceutical Association District No. 10.

THE druggists of district No. 10, Norfolk, Oxford and Perth, held a convention at Woodstock, May 15th. The meeting was unusually large and representative owing to the present excitement about the coming elections next July. The present representative, Mr. John J. Hall, of Woodstock, was unanimously chosen as the representative for this district, and the following resolutions passed.

Moved by W. A. Karm, seconded by N. A. Bosworth, "That this association heartily endorse the record and platform of the council of the college as set forth in their circular, and pledge ourselves to assist them in their efforts to get control of the affairs of our college and journal in the interests of retail druggists."

Moved by H. J. Dagger, seconded by A. W. Gessing, "That we hereby request the council of the college to enforce clause 23 of the Pharmacy Act, which establishes the standard and provides against adulteration of the preparations of the Pharmacopœia, as certain jobbing and manufacturing chemists are selling such preparations to the medical profession that are not up to the standard, thereby destroying confidence in the efficacy of medicine."

Moved by N. A. Bosworth, seconded by John Dutton, "That this association pledge itself to discourage the sale of morphine and opium, except upon a doctor's certificate, and all patent medicine that do not allow the retailer a fair margin of profit, the giving of free samples, the purchase of exclusive agency to get the benefit of the advertising, all of which methods we believe to be unsound in principle and unprofitable, and we recommend each town and city to unite on these lines."

The association adopted the Toronto price book with some modifications.

Pharmaceutical Association District No. 8.

THIS association, at its last regular meeting, nominated Mr. John A. Clark as a candidate for re-election to the council of our college.

We take this opportunity to show our appreciation of the services performed by him in protecting the interests of our college and advancing the standing of our profession.

Mr. Clark has spent considerable time in obtaining information relating to the

work of enlarging our college, which is now in progress, having visited all the best equipped colleges of pharmacy in the United States and procured information that will be of service to the Board, and is a member of the committee having this in charge.

He is also taking an active part in arranging the curriculum of studies that will be given in the enlarged course adopted by the council.

We consider his re-election at this time will be a benefit to our college.

We therefore request your vote and influence on behalf of John A. Clark, as a member of the council of our college from number eight division.

A. VINCENY, J. W. SUTHERLAND,
President, Secretary.

Ontario College of Pharmacy Examinations.

THE following is the official announcement of the final result of the examinations at the College of Pharmacy. The report, owing to the illness of one of the examiners, was somewhat delayed. Those who were successful are:

PRIZEMEN.

College gold medal: C. A. Yates, Goderich.

College silver medal: G. J. Sadler, Ottawa.

Shuttleworth gold medal: C. A. Yates, Goderich.

D'Avignon gold medal: G. J. Sadler, Ottawa.

Avison gold Medal: R. Baxter, Windsor.

Honor list (in order of merit): R. Reid, W. H. Meek, A. T. Bletcher, T. K. Brown, J. McIntyre, W. N. Hartman, W. F. C. Braithwaite, J. Allen, W. Sylvester, W. H. Gregory, C. Ruby, A. E. Brethour, J. K. Hill, W. J. H. Mackenzie, W. Elliot, W. A. McIntyre, E. B. Kilgour, J. A. Stuart, T. A. Sweeney, W. Hookway, A. B. Moyer, H. W. Thomson.

PASS LIST.

A. C. Abbott, W. C. Armour, E. W. Ball, J. Brough, G. W. Campbell, E. M. Carpenter, W. H. J. Cherry, R. A. Davis, A. H. Dunlop, H. Elliot, B. J. E. Freer, R. H. Gilchrist, M. D. Hall, A. L. Hamilton, H. G. Horton, J. J. Jenson, J. E. Keays, W. Latimer, J. Lynch, G. S. Macdonald, W. C. McCougall, A. McMaster, H. B. O'Connor, G. A. Peaker, W. H. Reid, W. H. Rogers, M. C. Rose, J. E. Sangster, R. H. Smith, E. W. Stickney, W. S. Stone, F. G. Walley, D. C. Watterhouse.

Passed in Dispensing: R. S. Armstrong, C. A. Cook, W. Daniel, D. Davidson, J. H. Dennis, H. Duncan, H. P. Eakin, W. J. Fraser, R. B. C. Hall, F. C. Hagyard, H. M. Meyers, H. Proctor, H. J. Rogers, W. R. Sharp, M. G. Sherk, J. K. Sutherland, H. H. Warren, F. J. Hoag.

Passed in Prescription: R. S. Armstrong, C. A. Cook, W. Daniel, D. Davidson, A. D. Deverell, J. H. Dennis, H. Duncan, H. P. Eakin, W. J. Fraser, H.

M. Meyers, H. Proctor, H. J. Rogers, W. R. Sharp, M. G. Sherk, J. K. Sutherland, H. H. Warren.

Passed in Chemistry: J. H. Dennis, H. Duncan, F. C. Hagyard, R. N. Miller, H. Proctor, W. R. Sharp, H. H. Warren.

Passed in Pharmacy: A. D. Deverell, H. P. Eakin, W. J. Fraser, R. B. C. Hall, F. C. Hagyard, R. N. Miller.

Passed in Materia Medica: R. S. Armstrong, C. A. Cook, W. Daniel, D. Davidson, A. D. Deverell, J. H. Dennis, H. P. Eakin, W. J. Fraser, R. B. C. Hall, F. C. Hagyard, R. N. Miller, H. M. Meyers, H. J. Rogers, M. G. Sherk, J. K. Sutherland, W. C. Riddell.

Passed in Botany: R. S. Armstrong, C. A. Cook, W. Daniel, D. Davidson, A. D. Deverell, H. Duncan, R. B. C. Hall, R. N. Miller, H. M. Meyers, H. Proctor, H. J. Rogers, W. R. Sharp, M. G. Sherk, J. K. Sutherland, H. H. Warren.

C. W. Clark, of St. John, N. B., secured a high place on the honor list and would have been entitled to the Chemistry medal, but as he has not yet quite fulfilled his term of apprenticeship his name has been withheld.

The New Excipient.

The *Journal de Medecine* thinks that the excipient, retinol, is soon to be generally employed in pharmacy, MM. Vigier and Gautrelet lately made a report concerning it in *La Medecine Moderne*, from which I extract the following: "Retinol is a liquid resulting from the dry distillation of colophane. Purified, it resembles olive oil in appearance. It dissolves, or makes a good mixture with, a large number of the antiseptics and other substances. It is non-irritant and may be used freely on the skin. It dissolves the following preparations in the proportions described: salol, 1 to 10; iodol, 1 to 50; naphthol, 1 to 50; aristol, 1 to 50; camphor, 1 to 20; chrysophanic acid, 1 to 40; cocaine, 1 to 30; codeine, 1 to 40, and strychnine, 1 to 40. Camphorated naphthol dissolves very readily in it. The oil of cade, phenic acid, terebenthina, alcohol and ether are readily miscible with it. Resorcin must be dissolved in a little glycerin before mixing with retinol, and iodoform should previously be dissolved in ether. Iodine dissolves in it, but, if kept for a time, a resinous deposit is observed. Retinal mixes readily with vaselin, lard and oleonaphthine. It is also used by itself as a curative application in vaginitis and in injections (3 resorcin to 100 retinal) for hemorrhagia. For use in skin diseases it is combined with starch.

FROM San Francisco a report comes that a cargo of 100,000 pounds of opium, brought from China on the yacht Haleyon, has been smuggled into the U. S. The opium was transferred from the yacht to a small steamer, which in turn loaded the drug on a lumber schooner in Puget Sound. With the duty on opium at \$12 a pound, the opium ring made a profit of \$1,200,000 by the transaction.

Points for Retailers.

Success in trade is not accidental.

The dealer who notes what a community is most in need of, and supplies that want most thoroughly, possesses the attributes of a merchant.

Experience demonstrates that the merchant who keeps his purchases fairly within the line of the current wants of his trade is the one in the long run who makes the most money.

Dealers had far better cry over the goods on their shelves than to cry over accounts in their books, for goods in hand represent a value that can never be found in scattered accounts.

Many a good country merchant, by allowing his bills to run over time—a week or ten days, or even longer—has caused the city house with whom he is dealing to look upon his accounts with disfavor.

It is generally far better to suffer a small loss and maintain the reputation of being a good merchant, than to show the contrary by returning goods, which is very often regarded as an evidence of poor buying.

Selling goods for glory is one thing, and selling them to make money is quite another and different thing. Anyone who has money or credit can do the former; but to do the latter, it requires a merchant in the fullest sense of the term.

General competition, together with the circumstances and necessities of any market, usually establish such rates of prices for goods as are normal and legitimate, and the dealer who ignores this fact, generally suffers the consequences.

In nine cases out of ten the quality of goods has more to do with the making, or the losing of a customer than the price, for the reason if a customer is pleased and well satisfied with the former he does not generally take the time to compare prices.—*Ex.*

Better Than a Bank.

THE following should be posted over every merchant's desk. It means discount your bills: 1. One half per cent. on a 30-day bill paid in ten days is equal to interest at the rate of eight per cent. per annum. 2. One and one-half per cent. on a 60-day bill paid in ten days is equal to interest at the rate of eleven per cent. per annum. 3. Four per cent. off on a four months' bill is interest at the rate of twelve per cent. per annum, or a four months' bill paid in thirty days with three per cent. discount is interest at the rate of twelve per cent. per annum. 4. Five per cent. discount off on a four months' bill is interest at the rate of fifteen per cent. per annum; or if paid in 30 days, less four per cent. it is sixteen per cent. per annum. Bills paid are safer than money in any bank, however strong. Cash discounts are the dealer's first profit and one he is sure of.—*Ex.*

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LARGEST PROFIT.

LARGE QUANTITIES

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STICKY FLY PAPER

are used in every city, but no one buys much of it from a dealer who handles a paper inferior in any way.

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Increase Your Sales

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increases the quantity of sticky fly paper used. Try one ; it will give you satisfaction, and you will no doubt recommend it to your customers. A good thing is bound to sell readily.

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

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

This Beats All.

\$1.00 FOR NOTHING.

Are you selling RUDY'S PILE SUPPOSITORIES? 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.

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Turkey and Honey Comb Sponges, 250 Cases.
Chamois Skins, extra quality and good value.
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Shell Castile Soap, White.

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Chamois Skins, " "

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De Jongh's God Liver Oil.

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" Lilac Bloom Perfume.

Crab Apple Blossom in pints, 10 oz. and oz. bottles.

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Sponges, Coupe, Formes; Turkey Solids and Cups.

We invite correspondence regarding special formula Sugar Coated Pills, Triturates, &c.

TRADE NOTES.

H. W. Hobson, druggist, Welland, Ont., has sold out.

Dr. Jones, of Toronto, has located at Fort William.

Burger & Douglas, druggists, Welland, Ont., have dissolved.

Dr. Henry, Spokane, is building a drug store at Ainsworth, B. C.

The stock of E. Bannister, Brampton, was sold by auction at 42c.

J. Lawrence, druggist, of Hamilton, Ont., died suddenly June 4th.

S. R. Fair, druggist, Fairville, Ont., has moved to Montana, U. S.

W. M. Boyd, of Neepawa, will open a branch drug store at Carberry, Man.

Dr. McFarlane will take charge of F. Teetzel's branch drug store at Nelson, Man.

C. E. Carthow, drugs and stationery, Qu'Appelle, Assiniboia, has assigned in trust.

J. Allan, formerly in Wilson's drug store, Goderich, has secured a good position in Montreal.

H. E. Ellison, physician and druggist, Weymouth, N. S., is advertising property and business for sale.

E. P. Ford, physician and druggist, Souris, Prince Edward Island, has been burned out; insurance \$800.

G. N. Babcock, druggist, Drayton, Ont., was married May 12, in Toronto, to Miss Mary Grace, of Hamilton.

T. Waterhouse, of Fletcher, Fletcher & Stevenson, wholesale druggists, London, England, paid us a visit last week.

The laboratory of Lehn & Fink, wholesale druggists on Cherry st., New York, was completely destroyed by fire May 13th.

S. L. Taylor, of Portage la Prairie, has purchased the drug stock of Drs. Scott & Lamonte at Treherne, Man., and will open a drug store there.

Edward M. Goodman, formerly a telegraph operator and druggist in the store of E. A. Goodman, 380 Yonge st., Toronto, died May 29th at Oshawa.

Dr. J. M. Grosvenor has sold out his interest in the firm of Grosvenor & Richards, Boston, Mass., plaster manufacturers, and retires from business.

Henry L. Atkins, Truro, N. S., has again opened out at his old stand, 52 Prince st., and has sold out his interest in the branch business on Inglis st.

C. Loonen, brush makers, France, on account of increasing business have put an electric light plant in their factory and have a night staff as well as a day one.

Dawson, Bole & Co., wholesale druggists, Winnipeg, Man., have dissolved partnership, Mr. Dawson retiring. D. W. Bole will continue the business under the old firm name.

The wholesale drug warehouse of James E. Davis & Co., Detroit, Mich., was com-

pletely destroyed by fire May 23rd. Loss estimated at 175,000 to 200,000 dollars; insurance, \$110,000.

Smith & McGlashan Co., wholesale druggists and druggist's sundrymen, of 53 Front St. East, Toronto, have sold out to Allan & Co., who will continue the business at the old stand.

James E. Davis, whose drug house was destroyed by fire last month, has gone into partnership with Williams, Sheley & Brooks, of Detroit, the new firm being Williams, Davis, Brooks & Co.

The annual meeting of the Manitoba Medical Association was held at Winnipeg, June 10th and 11th, when a number of papers were read. There was a good attendance of provincial physicians.

Amongst those graduates in medicine who recently passed their examination before the College of Physicians and Surgeons was J. T. Fotheringham, one of the recently appointed professors of the Ontario College of Pharmacy.

New York drug clerks contemplate organizing a labour union. They claim that they have to work about sixteen hours a day, Sundays included, not to mention the possibility that they may have to be called up in the middle of the night.

G. Harold Kent, representing G. B. Kent & Sons, brush makers, London, England, has been in Toronto during the past week on a trip in search of health and business. He reports that last year their output of brushes was larger than ever.

J. W. Jeffrey, senior member of the firm of Jeffrey & Jeffrey, druggists, of Buffalo, N. Y., who died a short time ago in that city, was a native of Canada, having been born in Welland, Ont., and was a graduate of the Ontario College of Pharmacy.

Messrs. Kenneth Campbell & Co., Montreal, have opened their new branch drug store on St. Phillip's Square in that city. It is a model of elegance in design as well as compactness and convenience of arrangement. The mammoth plate glass front displays the handsome arranged window to advantage, and the internal fittings are all of modern design and fine workmanship. The peculiar semi-circle design of dispensing case is at once novel and convenient and affords the dispenser ample room, and at the same time placing everything almost within his reach.

Montreal Notes.

A meeting was convened by the energetic President of the Pharmaceutical Association, Mr. Contant, of all the retail druggists in the city, to take into consideration the formation of a society for the protection of trade interests. As usual, with the apathy of druggists all over the world, and of Montreal in particular, about twenty put in an appearance. However, the meeting was fairly representative. Mr. Contant was elected chairman, and Mr. E. Muir, secretary. It was decided to form a society to be

called the Montreal Druggists' Association, and the Secretary, *pro tem.*, was requested to get the signatures of all the druggists who would join. Every one present signed the roll. Several gentlemen spoke of the absurdity of curtailing legitimate profits in the expectation of doing more business. The long hours which druggists voluntarily imposed upon themselves quite unnecessarily was also touched upon, as also was the selling of drugs at wholesale prices to the public by wholesale houses—two houses being especially alluded to in that connection. The meeting adjourned to meet the following week.

Since your last number was issued Mr. John Gardner has gone over to the great majority. Mr. Gardner was second only to Mr. Richard Birks in the length of time he has been in business in Montreal. Mr. Gray comes third, having begun business in 1859, and Mr. Kenneth Campbell fourth. Mr. Gardner was much respected, and at one time, prior to the widening of Notre Dame St., did one of the best paying businesses in Montreal.

Mr. Kenneth Campbell, the well known wholesale and retail druggist, has gone into a new enterprise, having opened a department in the Morgan business as a general pharmacist. It certainly shows a large amount of courage and enterprise. Whether it will be successful or not remains to be seen.

Messrs. Henry Morgan & Co., recently carried on a large dry goods business on St. James St., and this spring moved into magnificent premises on St. Catharine St., near the English Cathedral. To their dry goods trade they have added furniture, boots and shoes, carpets and fancy goods, and in addition, drugs and perfumery. The latter department is owned by Mr. Campbell.

The late warm weather has brought gladness to the hearts of druggists who sell soda water and ginger ale. It is said a good business was done last Sunday in this line. *O tempora! O Mores!* There is a law on this subject, why should it not be enforced against druggists who sell other than medicines on Sundays?

Great regret is expressed at the retirement of Messrs. Contant and Lachance from the Council of the Pharmaceutical Association. Both gentlemen were nominated as candidates at the approaching election, but both have declined to serve.

It is very desirable that the leading men in the drug business should be placed on the Council. Young blood is all very well, and it is beneficial when not overdone, but an institution like the Pharmaceutical Association must be carried on with due deliberation and forethought. It is easier not to make mistakes than it is to correct them after they are made.

A London scientific journal says it has been discovered that the kola nut has the power to restore to normal condition the worst sufferer from intoxication or monomania.

Prescriptions and Their Owners.

THE progress of evolution is converting the apothecary into the family physician. It is a common ambition among the ablest and most self-respecting of the younger practitioners to secure either a hospital appointment with a consultant's position, or a non-dispensing family practice. The man who keeps a surgery, or, more properly, a dispensary, does not usually secure such liberal fees as his non-dispensing neighbour; and there is, consequently, a tendency for him to sink to a less dignified level. It cannot be too emphatically protested, however, that true dignity does not consist in well-furnished consulting-rooms, or in the power to charge high fees, but in honourable conduct and sound professional capacity. Many a man who mixes his own medicines, and labels and wraps up the bottles after a hard day's professional visiting, has much more real merit and true dignity of character than some who hold hospital appointments and demand and receive the recognised two-guinea fee. This is but the statement of a common-place, we are aware; but it is very necessary sometimes to tell a man of undoubted honour that he is honourable, and a man of real worth that he is worthy. Merit, which is persistently unrecognised, may droop and wither for the want of recognition, just as a flower of a tree may shrivel and die when deprived of the light and warmth of the sun.

The general tendency of the medical profession towards higher culture and greater professional capacity brings about changes in the methods of conducting the daily business of practice. The son of the father who used to send his patient a bottle of physic after his visit, writes a prescription at the patient's house, and the latter gets the physic for himself at a neighbouring chemist's. From a medical point of view this change of procedure has its advantages and disadvantages, and the same may be said from the patient's standpoint. One advantage secured to the doctor is the saving of labour and the diminution of expense. He charges for his visit, and he avoids both the cost and the trouble of preparing the medicine. A disadvantage is, that when once a patient has got possession of a prescription there is nothing to prevent him using it again and again without further consultation with the doctor. The latter is thus liable to the loss of a good many visiting or consulting fees.

All classes of physicians have long felt that the honour and glory of consulting practice had its drawbacks, and that one of these drawbacks was the giving of prescriptions over which no professional control was retained. In the case of the older consultants, whose fees range from two guineas upwards for each consultation, and who can always command full consulting rooms, this is a matter of comparatively small importance; but the question assumes a very different complexion when the family physician receives the small fee of five shillings for a professional visit,

and gives up to the patient for his unrestrained use a prescription which may run for a week, a month, a year, or a lifetime. It is hardly surprising that under these circumstances some rather sharp notes of alarm should have been sounded in the professional journals, nor is it very strange that those notes of alarm should have been followed by suggestions indicative rather of fear than of wisdom. One family physician proposes to claim an absolute medical proprietorship in prescriptions. "My prescriptions are mine," says he, "and I mean to stick to them." He has been driven to this bold attitude of self-defence by the discovery that one of his lady patients lent a particular prescription of his to eight other ladies, and so, as he puts it, practically robbed him of eight fees. Another family physician becomes quite Jesuitically hair-splitting in his attempt to deal with the difficult and complicated question. "My own opinion," he says, "is, and always has been, that the prescription does not legally belong to any of the parties concerned, but should be destroyed after it has fulfilled its mission." The idea of a prescription "fulfilling its mission," is distinctly poetical and original. This gentleman continues—"We pay for a railway ticket and it is taken from us on completing the journey. The prescription is nothing more than a convenient missive"—"missive" is good—"between doctor and chemist, and probably would not be entrusted to the patient if we had any other more convenient way of communicating our order. We do not address the prescription to the patient; we advise the chemist how he has to compound a certain number of ingredients for the patients, and this being done, the prescription should be destroyed or returned the 'author.'"

Now all this is exceedingly interesting and instructive to the student of psychology, as that science asserts itself in the medical mind. It shows how the "natural man" still exercises a dominating influence over the professionally differentiated specialist. The first doctor stands forth with all the truculence of a medical Dick Turpin, and insists that his prescriptions shall be returned to him on pain of—we know not what. The second glides into the subject with insinuating logic, and shows how proper and natural it is that the doctor, who is the "author" of a prescription, shall retain all the powers of copyright in his own work. It is a pity that patients do not occasionally read professional journals. The discussion would have been greatly improved, from the point of view of general edification, if one or two patients had added their contributions. Arguments are mostly inconclusive which discuss one side of the question.

It seems to us that the interests of patient and doctor are not opposed to each other in this matter, but are identical. On the one hand, those doctors who wish "both to eat their cake and have it," make a mistake; and on the other, those

patients who use a prescription for a longer time than it is ordered to be used, or give it to their friends, make a still greater mistake. As a matter of fact, where proper relations subsist between doctor and patient, it is probable that very little injustice is done to the former. One thing seems to be quite certain, and that is, that the doctor who gives a prescription to his patient cannot both give it and keep it. All he can do is to instruct the sick person how long to take the medicine prescribed. If the latter continues to take it longer, he is exceedingly foolish. No honourable doctor ever thinks of limiting the time during which a prescription may be used merely for the sake of getting an additional consultation fee out of his patient. Any patient who has good reason to believe that his doctor is keeping him an unnecessary length of time on his visiting or consulting list ought to seek another doctor at once; and any doctor who asks his patient to return to his consulting room when there is no necessity for further consultation, is a deliberate cheat, and deserves all the contempt and obloquy which can be poured upon him. The physician, including of course, under this term, every member of the profession, occupies a position of peculiar delicacy towards his patient. The patient is ignorant, the physician has knowledge; the patient is fearful, the physician has the confidence of experience. What kind of a doctor is he then who takes advantage of his patient's trustfulness to worry his mind with fear, and to extract from his pocket unnecessary fees? He is a scoundrel.

But on the other hand, whilst physicians must be as honourable as Caesar's wife, because their position is one of such unlimited freedom, patients must not forget that he who dispenses honour and justice with his prescriptions, is entitled to honour and justice in return. Wise men and women clients will use a remedy for the exact period for which it has been prescribed. If they use it a very little longer the reasonable physician will not object; and they will probably not do themselves any great harm. But they should remember that in using a prescription longer than the specified time, there is always a possibility of their doing a serious injury to their own health; and this injury to their health is an injury and an injustice to the physician; not, be it noted, in the mere loss of one or two paltry fees, but in the wound it may inflict upon his reputation and his feelings is that his misused prescription has been a source of injury rather than of benefit to his patient.

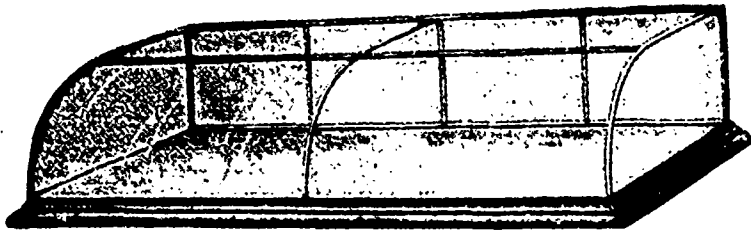
Should patients ever give medical prescriptions to other persons? As a rule, certainly not. They may do untold injury by such acts. This is not said to frighten them; it is plainly and simply true. Modern remedies are of such a kind that they ought only to be handled by experts. The subject is of much importance, and space forbids us to expound the patient's

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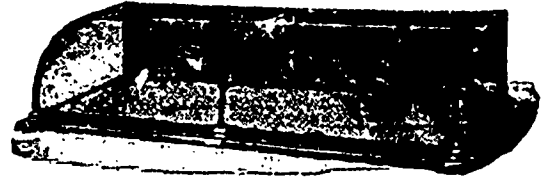
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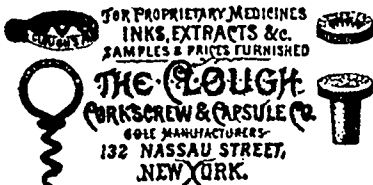
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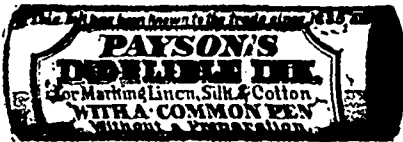
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aspect of the case as fully as it demands. But this is to be insisted upon: that if a high sense of duty compels the doctor to shrink with disgust from taking the least advantage of his patient, the very same sense of duty should compel the patient to make it a matter of conscience to avoid doing any kind of injury to the doctor.—*The Hospital.*

British Columbia Pharmacy Act.

The following is a copy of an Act to establish a Pharmaceutical Association in the Province of British Columbia, which passed its last reading in the Local Legislature March 3rd, 1891, and has now become law:

WHEREAS it is expedient for the benefit of the public that there should, by enactment, be established a certain standard of qualification required by those persons engaging in the profession of Pharmacy:

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of British Columbia, enacts as follows:—

1. This Act shall be cited as the "Pharmacy Act, 1891."

2. There is hereby established, within and for the Province of British Columbia, an association which shall be known as "The Pharmaceutical Association of British Columbia."

3. The Association is hereby incorporated under the name and style of "The Pharmaceutical Association of the Province of British Columbia," and the said Association shall be deemed to be a body politic and corporate, with power to acquire, hold, and dispose of such real and personal property as may be necessary for the purposes and benefits of the Association, and to sue and be sued; and every person who may be registered hereafter under the provisions of this Act shall be a member of the said Association.

4. The affairs of the Association shall be conducted by a Council composed of six Licentiates of Pharmacy, members of this Association resident in this Province, three of whom retire annually, according to seniority, eligible for re-election. Four members shall constitute a quorum.

5. This Council shall be elected as the by-laws of the Association may direct.

6. The first Council shall be appointed by the Lieutenant-Governor in Council, three to serve for one year, and three for two years, and shall continue in office until their successors are elected.

7. The Council of the Association has power—

(a) To frame such by-laws for the said Association as they shall deem proper and necessary for the purposes contemplated by this Act, to alter and amend such by-laws from time to time, and to repeal the same in whole or in part, and substitute others therefor, subject to

the approval of a majority of the members of the Association, one month's notice having been previously given to the members of this Association to that effect: Provided always that such by-laws shall be subject to the approval of the Lieutenant-Governor in Council.

(b) To elect at their first meeting subsequent to the annual elections, from among their members, a President and a Vice-President, also a Secretary-Treasurer, who shall act as Registrar, he to be appointed from among the members of the Association:

(c) To elect persons to replace members of the Council who die, resign, or are removed; such persons must be chosen from among the members of the Association:

(d) To elect as honorary and corresponding members of the Association such persons as may be eminent for their scientific attainments. Such honorary members shall not, as such, be entitled to vote at elections, or to rank as Licentiates of Pharmacy:

(e) To sell, mortgage, control, and manage the real and personal property of the Association, subject to the by-laws thereof; but no sale or mortgage of any property of the Association shall be made, except with the approbation and concurrence of a majority at a general meeting of the members of the Association specially called for such purpose:

(f) To appoint annually, at its first meeting after the annual general meeting of the Association, a Board of Examiners.

8. It shall be the duty of the Registrar to keep a record, in which shall be registered the names, residences, and place of business of all persons authorized under this Act to practice pharmacy in this Province; also the names of all certified apprentices, their residences, and by whom they are employed; and to grant, on application, certificates of such registration upon the payment of the prescribed fees; and to perform such other work as shall be set forth in the by-laws of the Association.

9. The annual general meeting of the Association shall be held alternately in Victoria, Vancouver, New Westminster, and Nanaimo, or such other place as the Council may direct, on the second Thursday in the month of June of each year, or on such other day near thereto as shall be determined upon by the Council. Votes by proxy in writing shall be legal at all meetings. Special meetings may be called by the President, upon the written request of ten members of the Association, which request shall state the business to be transacted, and at such meeting that business only shall be transacted.

10. The Board of Examiners shall examine the candidates and grant such certificates or diplomas as they may think proper to those whom they deem qualified to be "Licentiates of Pharmacy" or "certified apprentices."

11. The Board of Examiners shall dispense with the examination and accept in lieu thereof authenticated certificates of examination by authorized Examining Boards of any Pharmaceutical Association. Such certificates must be accompanied by certificates of good moral character, and shall be subject to such other regulations as may be provided for in the by-laws of this Association: Provided that the by-laws of the Association shall not require on the part of the applicant any previous residential qualification.

12. That it shall be unlawful for any person to practise, or attempt to practise, the profession of a chemist and druggist, or assume or use the title of Chemist and Druggist, or Chemist, or Druggist, or Pharmacist, or Apothecary, or Dispensing Chemist, or Dispensing Druggist, within the limits of an incorporated city or town, or one mile thereof, in the Province of British Columbia, without having first received a diploma from the faculty of some reputable College of Pharmacy duly authorized by the laws of Great Britain or its dependencies, or the laws of some foreign Government, and without having had issued to him a certificate under the provisions of this Act: Provided, that all persons who, at any time before the coming into force of this Act, were practising in this Province on their own account as chemists and druggists or apothecaries, are entitled to be registered in conformity with this Act as Licentiates of Pharmacy upon producing before the Registrar evidence of their having exercised their profession as aforesaid: Provided also, that all clerks who have acted in that capacity for at least four years prior to the passing of this Act, and are, at the time of the passing of this Act, so engaged in this Province, shall be entitled to be placed on the Registry as Licentiates, and that all apprentices, who are acting as such at the time of the passing of this Act, shall be entitled to be placed on the Registry as certified apprentices, and the time they have already served in such capacity shall be allowed them.

13. All persons qualified by this Act to engage in the practice of Pharmacy within the Province shall, within three months after the passing of this Act, cause their names, residences, and places of business to be registered with the aforesaid Registrar, upon which the said Registrar shall issue to such persons a certificate, duly signed by the officers of the Association, and which certificate shall entitle the persons to whom it is issued to all the rights and privileges set forth in this Act. Branch stores in the incorporated cities or towns within the Province must be under the immediate management of a Licentiate of Pharmacy; and it shall also be unlawful for any person carrying on business

To Council Electors.

We have now given in this page from time to time, a somewhat disconnected, though fairly accurate account, of the trouble between the Council and the College Staff, and while endeavoring to show fair play to both parties, we have naturally, as every one does, taken sides. In doing so no personal feeling has influenced us. We have so far been, and shall continue to be, solely upon the side of the druggists. As the stump speaker would say: "We believe in representation of the druggists, by the druggists, for the druggists; and not representation of the druggists, by the druggists, for the Professors."

In the City of Toronto, where the personal influence of the Professors can be exercised to a greater extent than elsewhere, those who are running for the Council in their interests, put this question direct to the electors whom they canvass: "Are you Shuttleworth or anti-Shuttleworth?" As anti-Shuttleworth in that case must mean the Council, and as the Council means the druggists, we have no hesitation in indicating how the choice should be. We have misjudged the druggists of this Province if they can be induced to select men to represent their division upon the Council of the Ontario College of Pharmacy, whose only and avowed object is to support the claims of disobedient servants, and continue an unseemly division which should never exist, in a body whose true aim should be the furtherance of united and continued effort to benefit those they have been elected to represent, in an educational, a professional and a commercial sense. The business of the druggist of to-day can yet be improved by Legislative enactment, and nothing is more certain than that such cannot be obtained while a party supposed to be one in securing it, is in reality divided in itself and pulling in different directions. If union is strength, dis-union is weakness. If the Council and College staff are united in furthering the interests of the College, good results will ensue; the reputation of all will be enhanced, and peace and harmony will prevail. If disunited, the interests of the College will suffer; the reputation of all will be impaired; and discord will prevail. Which are you aiming at?

Few will deny that Professors Suttleworth and Avison are entitled to a good deal of credit for the good work they have performed. None were anxious to have their connection with the College severed; all were willing to have them fairly and equitably remunerated; but none other than partizans were willing that a matter of reasonable contract should induce the Professors to institute an opposition to the constituted authority such as even the worst treatment would warrant. If the Professors have been treated unfairly, we will be pleased to hear their defence. Defence, in their position, is quite within their rights, but offensive opposition is assuredly not. It has been stated that the Professors were forced out because they would not sign an unreasonable agreement; but, judging from such official statements as we have been able to reach, we should say it was because they would not sign any at all of any kind, and had intimated semi-officially that they did not intend to, but were willing to collect excess pay under a verbal agreement, which did not specifically define their duties.

This is the last letter we can at present write under the heading "To Council Electors." as e'er another copy could issue, the cause which called forth the articles on this page will have been a thing of the past. Upon your vote now depends peace or discord. We advise you to choose wisely. Select those men who have your and the College interest at heart; who have the time and inclination to render you the best service in their power; and who are possessed of abilities such as will reflect credit upon the Division they represent, and the Profession they seek to advance and maintain.

T. A. SLOCUM.

(Continued on page 17.)

under the provisions of this Act to employ any clerk or apprentice who is not qualified under this Act.

14. Every person having been registered under this Act as a Licentiate shall, on retiring from business as a chemist and druggist, give notice to the Registrar in writing of that fact, in default of which he shall remain liable for his annual registration fees: Provided, that it shall be lawful for any such person to resume the business as chemist and druggist at any time after retiring therefrom as aforesaid, upon giving notice in writing to the Registrar of his intention so to do, and upon payment to him of the then current annual registration fees.

15. To provide for the proper enforcement of this Act, the said Council shall be entitled to the following fees, viz.:— For each certificate issued to a Licentiate of Pharmacy engaged in business on his own account, or in partnership with any other person, a sum not exceeding ten dollars annually; for each certificate issued to a Licentiate of Pharmacy, acting in the capacity of a clerk, a sum not exceeding five dollars annually; and for each apprentice, a sum not exceeding two dollars annually.

16. No person shall, within the limits of any incorporated city or town in this Province keep open shop for the retailing, dispensing or compounding poisons, or sell, or attempt to sell, any of the articles mentioned in Schedule "A" to this Act, unless such person is registered under this Act, under the penalty set forth in section 21 in this Act.

17. Articles named or described in Schedule "A" shall be deemed to be poisonous within the meaning of this Act; and the said Council hereinbefore mentioned may from time to time by resolution declare that any article in such resolution named ought to be deemed a poison within the meaning of this Act, and thereupon the said Council shall submit the same for the approval of the Lieutenant-Governor in Council; and if such approval is given, then such resolution and approval shall be advertised in the *British Columbia Gazette*, and on the expiration of one month from such advertisement the article named in such resolution shall be deemed to be a poison within the meaning of this Act, and the same shall be subject to the provisions of this Act, or such of them as may be directed by the Lieutenant-Governor in Council.

18. No person shall sell any poison named in Schedule "A" either wholesale or retail unless the box, bottle, vessel, wrapper or cover in which such poison is contained is distinctly labelled with the name of the article and the word "poison," and, if sold by retail, then also with the name and address of the proprietor of the establishment in which such poison is sold; and no person shall sell any poison mentioned in Schedule "A" to any person unknown to the seller unless introduced by some person known to the seller, and on every sale of any such article the per-

son actually selling the same shall, before delivery, make an entry in a book to be kept for that purpose in the form set forth in Schedule "C" to this Act, stating the date of the sale, the name and address of the purchaser, the name and quantity of the article sold, the purpose for which it is stated by the purchaser to be required, and the name of the person, if any, who introduced him, to which entry the signature of the purchaser shall be affixed, under the penalty set forth in section 21 of this Act.

19. Any article enumerated in Schedule "B" to this Act shall not be sold unless the container of such be distinctly labelled with the name of the article, name and address of the seller, and the word "poison" affixed thereto, under the penalty set forth in section 21 of this Act.

20. Any person selling any poison in violation of this Act, or contravening any of the provisions of this Act, shall for the first offence incur a penalty not exceeding twenty dollars and costs of prosecution, and for each offence committed subsequent to such conviction a penalty not exceeding fifty dollars and costs of prosecution, to be recovered in a summary manner before two Justices of the Peace or Police Magistrate, on the oath of one or more credible witnesses.

21. In any prosecution under this Act it shall be incumbent upon the defendant to prove that he is entitled to sell or keep open shop for compounding medicines or retailing poisons, and to assume the title of chemist and druggist, and other title mentioned in section 12 of this Act, and the production of a certificate purporting to be under the hand of the Registrar of this Association showing that he is so entitled shall be prima facie evidence that he is so entitled.

22. Nothing in this Act shall prevent any person whatever from selling goods of any kind to any person legally authorized to carry on the business of an apothecary, chemist or druggist, or the profession of a doctor of medicine, physician or surgeon, dentist or veterinary surgeon, nor prevent the members of such professions supplying to their patients such medicines as they may require, nor interfere with the business of wholesale dealers in supplying poisons or other articles in the ordinary course of wholesale dealing.

23. Upon the decease of any person legally authorized and actually carrying on the business of chemist and druggist at the time of his death it shall be lawful for the executor, administrator or trustee of the estate of such person to continue such business bona fide, provided it is conducted by a Licentiate of Pharmacy registered under this Act, provided such executor, administrator or trustee continue to pay the annual registration fee hereby directed to be paid by members of the said Pharmaceutical Association.

24. The Secretary of the said Council shall, on or before the fifteenth day of January in each and every year, enclose to the Provincial Secretary a list of all

persons to whom certificates have been granted, and the qualifications therefor, and such lists shall be published in the *British Columbia Gazette*.

25. If any person after a period of three months after the passing of this Act not holding a valid certificate practises the said profession of pharmacy within the limits prescribed in clause twelve, or wilfully and falsely pretends to hold a certificate under this Act, or takes or uses any name, addition or description implying that he is duly authorized to practise the profession or calling of pharmacy, he shall, upon summary conviction thereof before any two Justices of the Peace or Stipendiary Magistrate, for any and every such offence, pay a penalty not exceeding one hundred dollars nor less than twenty-five dollars.

26. Any person who presents a prescription to any qualified druggist to be filled shall be entitled to have such prescription returned to him by such druggist.

27. It shall be lawful for the Lieutenant-Governor in Council to appoint a fit and proper person to be known as "Public Analyst," who must be a member of the Pharmaceutical Association, and who may be allowed to charge such fees in respect of analyses to be made by him as the Lieutenant-Governor in Council may approve.

28. Nothing in this Act shall prevent any duly qualified members of the medical profession or surgeon from engaging in or carrying on the business of an apothecary, chemist or druggist without registration under the provisions of this Act.

SCHEDULE A.

List of Poisons.

Aconite and its preparations.
Arsenic and its preparations.
Belladonna and its preparations.
Cantharides.
Corrosive Sublimate.
Cyanide of Potassium and all metallic cyanides.
Ergot of Rye and its preparations.
Essential Oil of Almonds, unless deprived of Prussic acid.
Euphorbium.
Opium and its preparations, unless Paregoric and Syrup of Poppies.
Prussic Acid.
Savin and its oil.
St. Ignatius' Bean.
Strychnine and all poisonous vegetable alkaloids and their salts.
Tartar emetic.

SCHEDULE B.

Acetate of lead.
Oxalic Acid.
Calabar Beans.
Carbolic Acid.
Chloral Hydrate.
Chloroform and Ether.
Croton Oil and Seeds.
Elaterium, Goulard's Extract.
Hellebore.
Henbane and preparations.
Iodine.
Phosphorus.
Red and White Precipitate.
Vertigris.
Sulphate of Zinc.

HERMAN HECKER.

UNDER PATRONAGE OF U. S. GOVERNMENT.

ESTABLISHED 1850.

FREDERICK BANTER.

The Philadelphia Truss Company!

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

THE CHAMPION TRUSS

AWARDED
GOLD MEDAL AT NEW ORLEANS.

AWARDED
SPECIAL MEDAL AT CENTENNIAL.

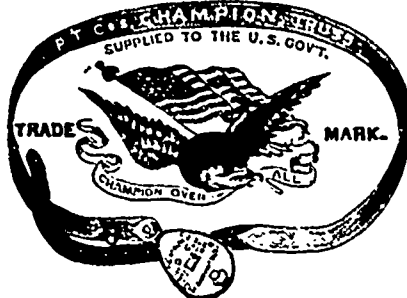
— MANUFACTURED FOR —

U. S.

Army, Navy & Pension Departments.

ALSO

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GENUINE BEAR OUR

Firm Name, Dates of Patents,
and also our Trade Mark

"CHAMPION"

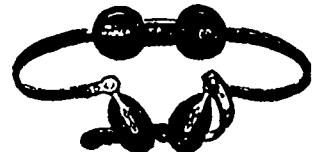
On Plate of Each Truss.

ALSO MANUFACTURERS OF THE

NEW INDESTRUCTIBLE VULCANOID TRUSSES AND ADJUSTABLE ABDOMINAL SUPPORTER

(best in use) and all kinds of Spring and Elastic Trusses, Abdominal
Supporters, Elastic Stockings, Belts, Shoulder Braces, Suspensory
Bandages, and Headquarters for Crutches.

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 Steel," 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.

PHILADELPHIA TRUSS COMPANY,

610 Locust Street, (P.O. Box 1207) PHILADELPHIA.

DEPOTS: Montreal, Que.

Toronto, Ont.

London, Eng.

SEND FOR CATALOGUE AND PRICE LIST.

CARBOLIC ACID.

Having introduced the most improved machinery, including a Powerful Ice Machine, we are enabled to manufacture all grades of Carbolic Acid in large quantities.

CRYSTAL CARBOLIC ACID, specially prepared to withstand summer temperatures.

In 1 and 5 pound Bottles, Cans and Bulk.

LIQUID CARBOLIC ACID, same test as Calvert's No. 5. A very cheap disinfecting acid.

In all size Packages.

CRUDE CARBOLIC ACIDS of all kinds, percentage of acid guaranteed.

Free from sediment.

CARBOLATE of LIME ; CARBOLIC SHEEP DIP, etc.

SEND FOR SAMPLES.

The H. W. Jayne Chemical Co.,

FRANKFORD, PHILADELPHIA, PA.

Manitoba Pharmaceutical Association.

SEMI-ANNUAL EXAMINATION HELD IN MEDICAL COLLEGE.

MAJOR.

CHEMISTRY.

Time—Three hours.

- 1.—(a) Enunciate the two laws laid down by Dalton relating to chemical combinations.
(b) How does the "Atomic Theory" explain and support these laws?
- 2.—(a) What is "Tartar Emetic?"
(b) Give preparation and formula.
- 3.—(a) What is chloride of mercuric ammonium?
(b) Give its formula.
(c) Explain the reaction occurring when calomel is added to solution of ammonia.
4. When cupric sulphate is reacted upon by ammonium hydrate, in what manner does the resulting compound differ from the above two?
- 5.—(a) What are the principal forms of fermentation?
(b) State the chief products of each form.
- 6.—(a) What is the difference between chloral and chloral hydrate?
(b) Give preparation and formula of each.
7. Describe three methods by which phosphoric acid may be obtained.
8. Rain water is more liable to contamination than spring water if passed through lead pipes or held in lead receivers. Why?
- 9.—(a) How much I. is there in 2 oz. of K. I?
(b) How much is there in 1 lb. of H₂SO₄?
10. Define sulphates, acid sulphates and double sulphates.
11. Oral.

MATERIA MEDICA.

- 1.—Give natural order of Tobacco, Dandelion, Senna, Resin, Milk, Leech.
- 2.—What are the officinal plants of the natural order, Ranuncule?
- 3.—Opium—(a) Source; (b) How obtained; (c) Part used; (d) Officinal alkaloid; (e) Adulterations of; (f) Preparations containing it.
- 4.—What is Soft-Paraffine, and how obtained?
- 5.—What preparations do the following enter into? Salacine, Cod Liver Oil, Pepsin, Lemons, Menthol, Manna, Bals. Peru.
- 6.—Cinchona — (a) Different varieties; (b) Source; (c) Name alkaloids and from which variety obtained.
- 7.—How is Carbolic Acid prepared, and name preparations into which it enters?

8.—Give geographical source of the following: Pellitory, Sabadilla, Musk, Mastich, Jaborandi, Myrrh, Copaiba, Capsicum, Gambouge, and Cubebs.

9.—Oral.

10.—Recognition of specimens.

BOTANY.

1. Write fifteen lines on Bacteria.
2. (a) Name the different elements upon which plants feed, (b) and from where obtained.
3. Explain the growth of the plant fully from the time the seed is put in the ground.
4. (a) Distinguish between a "stem" and "root." (b) Define and give examples of a rhizome, corm, and bulb.
5. Sketch a plant showing the different parts.

PHARMACY.

- 1.—Give formulae for—
Tr. Camphor Co.
Po. Jalape Co.
Spts. Ammon. Ar.
Ung. Aconitic.
Pet. Plumbi e. Opio.
- 2.—State strength of active ingredients in each of following—
Tr. Opii.
Pil Saponis Co.
Liq. Plumbi Acetas.
Aq. Chloroformi.
Infus Gentian Co.
- 3.—Give specific gravity of—
Liq. Ferri Perchlor.
Chloroform.
Spt. Ether Nit.
Ethylie Alcohol.
Glycerine.
4. What is the strength of Vin. Ipeac and how is it prepared?
- 5.—Explain the terms—Percolation, Water Bath, Maceration, Solution, Sublimation.
- 6.—Describe the method of preparing Syr. Ferri. Iodidi? Give strength and specific gravity?
- 7.—Name the official suppositories and give strength of active ingredient in each.

PRACTICAL DISPENSING.

- R Emp. Canthar. 4 x 6.
Sig. Apply as directed.
- R Quinia sulph..... gr. i.
Ferri Relact..... gr. i.
Pot. Bicarb..... gr. ½
Fiat pil.
Mitte..... No. xii.
Sig. One after each meal.
- In what order would you mix the following?
R Liq. Strychnia..... dr. i.
Liq. Arsenicalis..... dr. i.
Tr. Ferri Perchlor..... dr. ii.
Elix. Lactopeptin ad..... oz. vi.
Fiat Mixt.
Sig. dr. i., P. C.
Simpson.
- FOR CHARLIE.**
- R Pot. Bicarb..... dr. ii.
Bals. Peru..... dr. i.
Cera Alb..... dr. ½.
Lanoline..... oz. ½.
Vaseline ad..... oz. ii.
Fiat Ung.
Use as directed.

IMPORTANT

To Druggists.

Gluten Flour for DIABETES.

The very best in the market. The highest medical testimony.

Gluten Biscuits, fresh made

and efficient, being used by the worst cases.

Prepared Barley at moderate

prices, so as to sell at 25c. and leave a good margin of profit.

Prepared Groats, fresh

made and of excellent quality.

Baravena Milk Food for

INFANTS. A complete substitute for the various expensive foods that are imported. Price moderate and good margin of profit for the Druggist.

Farina. The Choicest Desicated

Farina, and at lowest price. Fresh made, and a good line to handle.

Pearl Barley in 2 lb. pack-

ages. 1 doz. in case. Very choice and just the article for Druggists.

Write for prices to the

Ireland National Food

COMPANY (Ltd.)

109 Collingham St., - TORONTO.

Mention Canadian Druggist.

If you require Pepsin suitable for Solutions

YOU WILL FIND FAIRCHILD'S GLYCERINUM PEPTICUM THE BEST ADAPTED FOR THIS PURPOSE.

It is the most active, convenient and economical.

It is a highly potent glycerine solution from the stomach, free from all suggestion of animal origin. Freely miscible with all the fluids or agents with which pepsin is, or should be combined in solution.

It has a definite standard of strength and can readily be adjusted to any required dosage, or to represent any given amount of the dried ferment.

Glycerinum Pepticum is free from alcohol, sugar or antiseptics and will keep well in all climates.

Samples sent gratis upon request. Supplied by wholesale dealers everywhere.

FAIRCHILD BROS. & FOSTER,

'82 & 84 Fulton Street, NEW YORK.

Patent Cream Soda and Portable Fountain.

NO CYLINDERS.

NO GENERATORS.

I have had one of your Founts for about one year. I am so well pleased that I would not be without it on any consideration whatever, knowing as I do its fine quality of drinks which are increasing my trade every day. I have run my Fountain all winter, which paid me well. I put them up hot or cold.

ROBERT WOOLFE.

Listowel, Feb. 14, 1890.

We contemplate buying another Fount for our second store. We were more than satisfied with Fount last season.

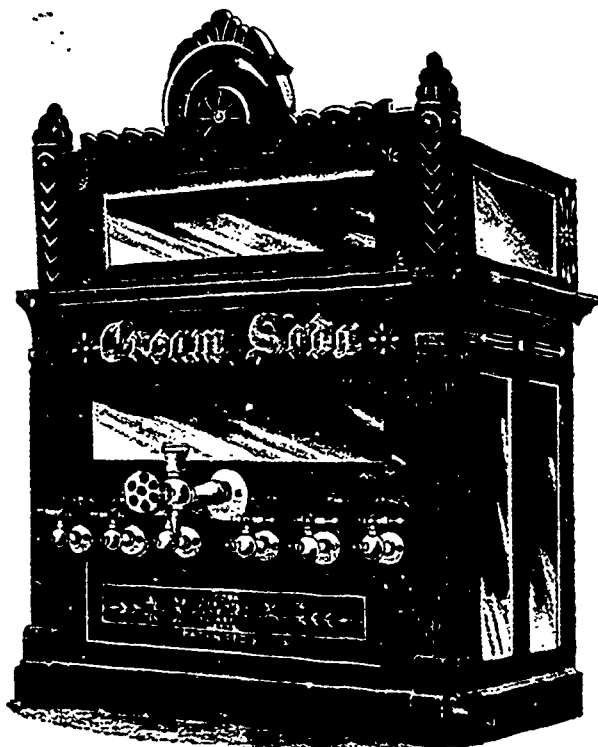
J. H. WILLIAMSON.

Regina, March 20, 1890.

We have got your Fountain running. It is just grand.

F. DOWELL.

Parry Sound, May 16, 1889.



THERE IS NOT HALF THE LABOR.

THE DRINK IS MORE PROFITABLE.

YOU CAN BUY ONE FOR ABOUT HALF THE MONEY THAT OTHERS COST.

NO DANGER OF SICKNESS OR POISON.

A REFRESHING AND HEALTHY DRINK.

SPECIAL NOTICE. - Having purchased and had assigned to me all the right and title of Black's Patent Ice Cream Soda, I hereby caution the public that the right to sell the above beverage can only be acquired from me, and any person acquiring it otherwise and selling it as a beverage will be prosecuted. Furthermore, I will give a reward to any person furnishing me with such information as will lead to the conviction of any person infringing on said Patent. Address

J. NELSON, Sole Proprietor, CLARKSBURG, Ont.

Or 458 Parliament St., **Toronto.**

Would you dispense the following, if not, why?

- B Quinia Sulph dr. i.
 Acid Sulph. ad dr. iii.
 Acid Inf. Rosae oz. vi.
 Fiat Mix.
 dr. ii. T. I. D. post. cib.
 B Mag. Sulph oz. ii.
 Acid Sulph Ar dr. iv.
 Tr. Gent. Co oz. iv.
 Aq. ad oz. viii,
 Fiat Mix.
 dr. i. P. R. N.
 B Quinia Sulph gr. xxx.
 Acid Sulph. Dil dr. i.
 Ext. Glycyrrh Fi dr. iv.
 Aq. add oz. iv.
 Ft. Mist.
 dr. ii. T. I. D. for cough.

FOR MR. BELLING.

- B Po. Opii gr. i.
 Acid Tannic gr. iv.
 Ext. Bellad gr. 1/2.
 Ol. Theobroma q. s.
 Fiat Supp.—Mitte. No. xii.
 B Bismuth Subnit dr. iii.
 Soda Bicarb dr. iii.
 Syr. Zingiberis oz. i.
 Mucil. Trag. ad oz. iv.
 Fiat Emulsion.
 dr. ii., when diarrhoea is troublesome. Cloun.

PRESCRIPTIONS.

Translate the following prescription into English:—

- Recipe.
 Sodii Carb drachman unam.
 Olei Juniperi gtt. viginti.
 Syrup Zingiberi quantum sufficit.
 Ut. fiat massa in pilulis triginta.
 Divenda equibus capiet tres in die.

Give antidote for Arsenic, Strychnine, Morphia, Potash, Digitalis, Cantharidis.

What is the solubility in water at 60 °F., of Potass. Iodid, Citric Acid, Pot. Chloras, Ammon Bromid, Ammon Chloride, Tartar Emetic, Arsenic, Chloral Hydrate.

What is the best solvent for Borax, Quinine, Hydrang Perchlor. Acid Benzoic, Alum, At. opia, Beeswax, Spermaceti, Copaiba.

Give incompatibles for Gum Acacia, Nitrat Silver, Borax, Potass. Iodid, Plumbi Acet., and Kino.

Give maximum and minimum doses for Strychnine, Tannic Acid, Ferri et Quinine Cit, Ipecae, Plumbi Acet., Pot. Bromid, Zinci Sulph., Spts. Nitre, Paregoric, Liq. Potass., Atropia, Tartar Emetic, Tr. Ergot, Vin Antimony.

Define the following terms and give examples of each—Narcotic, Febrifuge, Emetic, Cathartic, Styptic, Tonic, Antacid, Amesthetic, Astringent.

Give tests for Camphor, Acacia Powd., Quinine, Strychnine, Calomel.

Manitoba Notes.

Prior to the marriage of Mr. J. F. Howard, one of Winnipeg's most popular druggists, which was celebrated Thursday, May 14th, an interesting gathering of his friends took place in the rooms of Mr. Isaac Campbell. There were about forty present, including many members of the

medical profession. Mayor Pearson was called upon to take the chair, and Mr. Campbell made the after-part appropriate by the chairman and himself. The presentation consisted of a set of cutlery of oxidised silver, and a five o'clock tea service, of silver also. Mr. Howard made a neat and appropriate reply, after which refreshments were served and a pleasant social time was spent. Mr. Howard and his bride are now honeymooning in the cities of the Eastern States, and are expected home about the first of July. I am sure all who have the pleasure of knowing Mr. Howard will join us in wishing that all the blessings the gods' provide for those who enter the martial state will be showered down upon him and his bride.

Mr. Taylor, late assistant for Mr. B.M. Canuff's, has bought the drug businesses of Drs. Lamont and Scott, of Trcherne, and will combine the two stocks.

British Columbia Notes.

The British Columbia Pharmaceutical Society met in Victoria last week and elected officers. M. G. Blanchard was elected secretary-treasurer and registrar. The secretary's office is at 931 Douglas st., P. O. Box 592, Victoria, B. C.

C. H. Bowes and W. S. Terry contemplate opening a drug store at the corner of Store and Johnson sts., Victoria, B. C., about the First of July, under the firm name of Bowes & Terry.

Donations to a College.

THE Department of Pharmacy of the Northwestern University (Illinois College of Pharmacy), acknowledge donations received during the last few months from Messrs. Park, Davis & Co., of Detroit, Messrs. Allaire, Woodward & Co., of Peoria, and Messrs. Gilpen, Langdon & Co., of Baltimore, who have all made handsome donations of crude drugs. The two first named firms supplied carefully selected specimens of official bark, roots, leaves, flowers, &c., for use in the Pharmacognostic laboratory, a favor having more than a money value because of the difficulty in securing typical specimens of crude drugs through the ordinary channels of trade. Messrs. Gilpen, Langdon & Co., have made two donations, the first consisted of the collection of powdered drugs and cultivated cinchonas exhibited by them at the Old Point Comfort meeting of the American Pharmaceutical Association; and, more recently, when an order for powdered drugs for percolation was sent to them, they surprised and gratified the trustees and faculty by donating the order and also of offering two prizes consisting of complete outfits for percolation, one to be given to a senior student, the other to a junior, and both to be gained by competitive experiments in the Pharmaceutical laboratory.

Advertising and politeness are the main levers to get customers.

HUMPHREY'S

SPECIFICS. VETERINARY SPECIFICS. SPECIAL PRESCRIPTIONS.

WITCH HAZEL OIL. MARVEL OF HEALING.

Stocked by all wholesale druggists in Canada and delivered

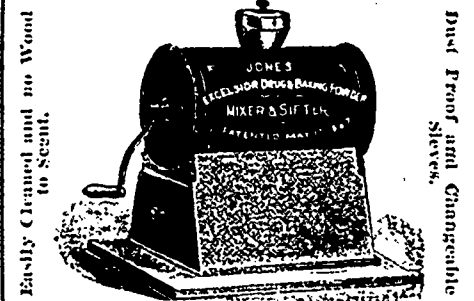
DUTY FREE.

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.

Only \$10.—The Best in the World.



Rubber brush rubs all lumps out of powder before it is sifted. 80 Mesh and 120 Mesh Wire Sieves, and 160 Mesh Bolt- ing Cloth, 75c. each. Two Sieves, 40 and 60 mesh, with each Mixer, and valuable formulas for Baking Powder, Tooth Powder, Dyspepsia Powder, &c. Send for circular to sole Manufacturer and Inventor. AGENTS WANTED.

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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, many of which will be mailed postpaid on application:

PILLS AND GRANULES

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

FLUID EXTRACTS,

Elixirs, Wines, Tinctures, Solutions, Ointments, Gerates.

Syrups--Medicinal and Medicated.

Concentrated Liquors for Extemporaneous Use.

DIGESTIVE FERMENTS,

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LOZENGES, MENTHOL PENCILS AND INHALERS.

SAXOLINE,

Plain, Perfumed, Medicated; Its Preparations and combinations.

CASCARA SAGRADA,

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

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In Roll, Porous, Court and Surgeons'.

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

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National Formulary Preparations--Elixirs, Wines and Syrups.

NON-SECRET MEDICINES

Wore 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.

SPECIALTIES.

Stearns' Effervescent Granular, Hydrobromate Caffeine.

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

Licorice and Tolu Tablets.

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

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

Stearns' Fluid Extract Myrcia (Bay Rum Essence)--Highly concentrated, giving true odor of the Bay Leaf.

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

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

Fluid Extract Golden Seal (Colorless).

Imperial Tooth Soap--The best dentifrice made. In colored lithographed hinge-top tin boxes.

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FRED'K STEARNS & CO., Windsor.



OUR COMMUNION WINE, "St. Augustine"

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

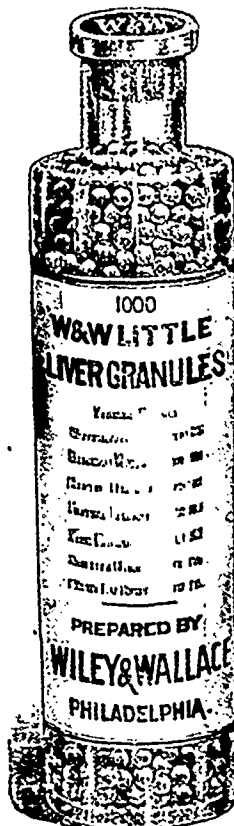
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BRANTFORD. Sole Agents for Canada.

W. & W. LITTLE LIVER GRANULES.



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

5,000 (one bottle) \$1.25
 10,000 (one bottle) \$2.50
 1 gross in glass, 30 in each, \$10.00
 1 gross in glass, 30 in each, \$7.00
 1 gross in glass, 30 in each, \$7.00
 Buyers Address.

FORMULA.

Alain, 1-10 gr., Jalapa, 1-10 gr., Podophilo, 1-10 gr.,
 Ext. Hyocyanus, 1-20 gr., Ext. Nuc Vom, 1-20 gr., Oleo-Res. Capsici, 1-25 gr.



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MUCILAGE

Sticks Everything

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T. MILBURN & Co.

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- Hogyard's Pain Remedy,
- Hogyard's Pectoral Balsam,
- Hogyard's Cathartic Pills,
- Hogyard's Yellow Oil,
- Yaguard's Black Oil,
- Hogyard's Condition Powders,
- Dr. Wilson's Magnetic Ointment,
- Hogyard's Cable Spice,
- Dr. Boyer's Galvanic Fluid,
- Dr. Fower's Extract Strawberry,
- Dr. Fower's Worm Lozenges,
- National Pills,
- Egyptian Salve,
- Dr. Abernethy's Worm Candy,
- Freeman's Soothing Syrup,
- Freeman's Worm Powders,
- Freeman's New Domestic Dyes,
- Dr. Low's Worm Syrup,
- Dr. Fower's Sulphur Soap,
- Dr. Low's Pain Cure Oil,
- Milburn's Beef, Iron and Wine,
- Milburn's Quinine Wine,
- Roscoe's Hair Reviver.

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The greatest known cure for
 Catarrh, Cold in Head,
 Headache, Toothache,
 Neuralgia, and all
 Nervous Pain.

Every Druggist should keep
 this in stock, as it sells well
 and gives good satisfaction.

Retails for 25c.

- Franklin's English Remedy, - 50c.
- Blair's Gold Oil, - 25c.
- Blair's Cement, - 15c.

Pat. up by FRANKLIN MED. CO., 30 King St. east, Toronto, or 178 Main St., Buffalo, N. Y.

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Are the best in the world for the
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— UNEQUALLED. —

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

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ARECA NUT
Tooth Soap.

Druggists Should Recommend the BEST.

This is what DR. RICHER said before the German Association of American Dentists:

"We know that the whole method of correctly caring for the teeth can be expressed in two words: 'Brush and Soap.' All preparations not containing soap are not to be recommended."

Mitchell's Areca Nut Tooth Soap

Meets the requirements, being a carefully prepared Soap, combined with Aromatic and Antiseptic Oils, rendering it not only one of the best, but one of the pleasantest preparations in the market.

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

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

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

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

Large and small Lithograph Cards in fine colors, sent on application to all dealers who handles my goods.

Advertising matter sent by mail on application. I also furnish a handsome sign for lustle and a stand, 3 ft. 6 in., for outside use, with a 56 lb. weight, and a thermometer 4 1/2 x 2 1/2 inches, first-class in every respect. Also a Portrait Sign for Show Case, 9 x 12, with glass frame and a strong easel. #27 Send for terms.

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Has become a Staple and Invaluable Remedy for the Cure of Spasmodic Asthma, Bronchitis and Nasal Catarrh.

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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 Northern Pine
REMEDY

IS A QUICK RELIEF AND RELIABLE CURE FOR

ASTHMA, HAY FEVER
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CATARRH.

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

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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.

MINARD'S
"KING OF PAIN."
LINIMENT

SOLD TO THE TRADE BY

TORONTO { Lyman Bros & Co. Evans Sons & Co
Northrop & Lyman.
Elliot & Co. T. Milburn & Co
MONTREAL { Kerry, Watson & Co.
Lyman Sons & Co. Evans Sons & Co
Lyman, Knox & Co.
HAMILTON—Archdale Wilson & Co. J. Winer & Co.
LONDON—London Drug Co. C. McCallum & Co
Jas. A. Kennedy & Co.



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.

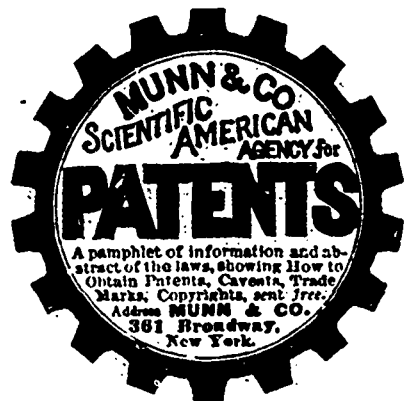
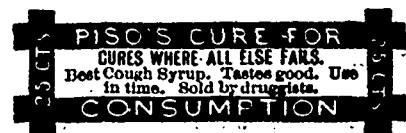
Will not tarnish or corrode.

Sent on receipt of price, \$1.02 each.

Money refunded if not as represented.

Duryea Jewelry Co.,

180 Broadway, N. Y. City.



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.
A. 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 Beautiful Lithographs supplied on application.

T. A. SLOCUM, M. C.,

186 West Adelaide Street, TORONTO, ONT.

Announcement to the Trade.

We would call the attention of the Retail Druggists to the following NEW LINES of our goods which have been only lately introduced :

VASELINE SOAP—Unscented—boxes of 3 doz. (wood)

VASELINE SOAP—Scented—fine perfume, 3 cakes (paper)

VASELINE CAMPHOR ICE—in Tubes—an exquisite article.

VASELINE BLUE SEAL—in 1 gross and $\frac{1}{4}$ gross boxes.

VASELINE BLUE SEAL—1 oz. round tins—1 gross in wooden box.

(TO RETAIL, AT 50c. PER BOX.)

POMADE VASELINE—in Collapsible Tubes.

VASELINE FACE PAINTS—A full line.

Chesebrough Manufacturing Company, (Consolidated)

83 St. James Street, MONTREAL.

The Drug Business in Mexico.

UNDER the supposition that it may not be uninteresting to some of your readers to learn something of the peculiarities of Mexican pharmacy, I take pleasure in giving a few facts that occurred to me here.

An American just over from "the states" would have rather a hard time to hunt up a drug store unless such a place was pointed out to him, so much differs the general aspect of the "Boticas" from the American pharmacy. There are no show windows, no show bottles, no show cases, no display of fancy goods, etc., usually kept in pharmacies of the United States. Imagine a one-story building of huge, square-cut rocks, walls four feet thick, with concrete floor and flat concrete roof; in the walls half a dozen four feet wide openings, reaching from floor to nearly the ceiling, half of these openings serving for windows, the others for doors; not a single window pane in the whole house; the windows "protected on the outside from floor to ceiling" by a strong iron grating, on the inside by heavy common wooden shutters, arranged so that the upper half may be opened, while the lower half is closed; the doors are of the very commonest pattern, without locks and secured by iron bars. The fixtures of the drug stores are of the same plainness, a common, long, varnished counter, generally with zinc top, a small, plain, prescription case; in the rear, plain shelving with numerous bottles and jars, a few old-fashioned scales—that is the Mexican pharmacy. The arrangement of the fixtures resembles most closely an apothecary shop in Germany, with the exception that the latter case boasts of a solid elegance, while the former is as plain as possible. There is little or no fancy goods trade carried on by the Mexican druggist, hardly anything but prescriptions and medicine trade is the lot of the "Bolicario." There are a numerous lot of patent medicines kept in stock, particular-

ly of French and American origin, but since cutting is unknown and, in contrary every one of the druggists seem to try to raise prices, until they have reached an utterly astonishing amount. The owner of a drug store in Mexico is in an enviable position, in comparison with his American brother. It may not be uninteresting to mention a few prices as they are the rule here in Monterey: Horsford's acid phosphate, small, \$1.50; sozodont, \$2.00; S. S. S., small, \$2.00—large, \$3.50; oil of rosemary, \$7.50 per pound; castor oil, \$5.50, by the gallon; linseed oil, \$2.50, by the gallon; blue mass, \$6.00, by the pound. Prescription prices average about three times as much as in the United States.

The Mexican physicians in their prescriptions use almost exclusively the metric system, and the liquids are weighed, not measured. There are, however, a number of American physicians, and they adhere to the old English system of weights and measures. The Mexican doctors write their prescriptions throughout in Spanish. They, of course, want their preparations according to the Mexican "Farmacopea," the American doctors the U. S. P. strength, the two German physicians at this place adhere to the pharmacopœia germanica. This necessitates the keeping in stock of two or three preparations of the same name, but different strength, etc. On account of the high duty, prescription vials are extremely high and the very commonest green ware is used in the drug shops. To avoid this expense, nearly two thirds of the customers bring their own bottles to have the prescription filled in, and for want of medicine vials bring all kind of vessels, beer and wine bottles, pitchers, tea-cups, water-tumblers, earthenware pots and what else. Peculiar is the way of charging for purchases. You can buy something for six, twelve, thirty-seven, sixty-two, eight-seven cents and so on, but not for five, ten, thirty-five cents and so forth. The Nueva Farmacopea Mexicana,

second edition, 1881, is the official guide for the druggists. A supplement is in the press. Like everything else, the price of this work is very high. It would not cost more than two or three dollars if printed in the United States, but here it is sold for eight dollars, United States money (unbound). The drug stores are, to a certain extent, under the supervision of the physicians. The governments of each state appoints a doctor, who travels around and inspects the drug stores at certain intervals. This seems, however, a mere matter of form.

The lot of the drug clerk here is far pleasanter than in the United States, as the hours are not nearly so long, and all the numerous Catholic holidays are observed here as Sundays in the drug stores. Wages seem to be very high, but I would not advise anybody to be tempted by them, should he desire to come here to better their pecuniary circumstances. Everything is here two or three times higher than in the United States; board, for instance, forty dollars per month, and very poor, too! I warn any drug clerk not to come over here and attempt to secure a position unless he be extremely well "heeled." The Americans are here the "best-hated," and also, the Mexican is always willing to take their money, he would not give one of them employment as long as he could help it. There are thirty-three drug shops in this city, but only one of them is an American (respectively European) store, and is owned by Ed. Bremer & Company. It is by far the largest establishment of its kind in Northern Mexico, and does also considerable wholesale business; all other stores are mostly small affairs.—*B. F. G. Eycling, Ph. D., in Meyers Bros.' Druggist.*

It is much easier for the druggist to sell the goods that people want than to educate them to take what he may have on hand; he should, therefore, be sure to keep in stock all saleable articles and never disappoint a customer when it can be avoided.



WE have spared no expense or trouble in bringing out the



- **"IVORINE" Tooth Powder,** -

and heartily récommend it to the Drug Trade of the Dominion. No stone will be left unturned until "IVORINE" has become a household word from Victoria to Charlottetown.

PRICES AS FOLLOWS:

{	1 Dozen,	-	-	-	\$1.90.
	3 "	-	-	-	5.55.
	6 "	-	-	-	10.80.
	12 "	-	-	-	21.00.

Order them from the Wholesale Drug Houses or from

The Hemming Bros. Co. (Limited) TORONTO.

CANADIAN DRUGGIST.

WM. J. DYAS, EDITOR AND PUBLISHER.

JUNE 15TH, 1891.

THE communication of "A Looker-on" was too late for this issue. Correspondence to ensure insertion should reach us not later than the 7th.

* * *

THE contract rebate plan proposed by C. J. Hood & Co. to the druggists of the United States, in which the minimum price of Hood's Sarsaparilla was to be 83 cents a bottle, has after a trial of a little over two months, been abandoned.

* * *

THE British Columbia Pharmacists have decided that in that Province at least the prescription belongs to the patient, as section 26 of their recently enacted Pharmacy Act declares that "Any person who presents a prescription to any qualified druggist to be filled shall be entitled to have such prescription returned to him by such druggist."

* * *

THE American Pharmaceutical Association have changed their place of meeting for next year. Forty ladies petitioned that it should be held at Crawford House, White Mountains, N. H., and the members yielded. How would it do for the ladies to look after the management of the Ontario College of Pharmacy, possibly they might allay that "friction" of which we have heard so much.

* * *

THE eleventh annual meeting of the Ontario Medical Association was held in the College of Physicians and Surgeons, Toronto, commencing Wednesday, June 3rd. The chair was occupied by Dr. W. H. Moorehouse, President, and between 80 and 90 medical men were present. The following officers were elected for the ensuing year:—President, Dr. R. A. Reeves, Toronto; vice-presidents, Dr. F. Lem Grassett, Toronto; Dr. A. Groves, Fergus; Dr. H. J. Saunders, Kingston; Dr. G. S. McKeough, Chatham; general secretary, Dr. J. Gibb Wishart, Toronto; assistant secretary, Dr. F. P. Cowan, Toronto; treasurer, Dr. F. J. Barrick, Toronto.

Nominations for Councillors.

THE following are the nominations for the Council of the Ontario College of Pharmacy. The election takes place on the second of July:—

District No. 1.—*H. Watters, Ottawa; A. Buchanan, Kemptville.

2.—*G. S. Hobart, Kingston; N. C. Polson, Kingston.

3.—*J. McKee, Peterborough; T. G. Ryley, Oshawa.

4.—A. Jeffrey, Toronto; *C. D. Daniel, Toronto.

5.—*J. H. Mackenzie, Toronto; G. E. Gibbard, Toronto.

6.—*W. B. Sanders, Staynor; *J. W. Slaven, Orillia.

7.—*A. B. Petrie, Guelph; R. H. Perry, Fergus.

8.—*John A. Clark, Hamilton; A. Jukes, St. Catharines.

9.—*C. K. McGregor, Brantford; S. Snyder, Waterloo.

10.—*John J. Hall, Woodstock, (no opposition.)

11.—*L. T. Lawrence, London, (no opposition.)

12.—DeWitt Martyn, Kincardine; F. Jordan, Goderich.

13.—J. E. D'Avignon, Windsor; *G. M. Everest, Arkona.

All those marked with an * are members of the present Council. No. 6 Division had two representatives in the Council and No. 12 had none.

British Columbia Pharmaceutical Association.

THE following comprises the first Council of this Association, being appointed by the Lieutenant-Governor in Council, under the recent Act:

Thos. Shotbolt and T. M. Henderson, Victoria.

Chas. Nelson and H. McDonald, Vancouver.

D. S. Curtis, New Westminster.

E. Pimbury, Nanaimo.

The first meeting of this Council was held in Victoria recently. The session was chiefly passed in framing by-laws which will be submitted to the Lieutenant-Governor-in-Council for approval. It was recommended that examinations be held twice a year, in October and April. The first annual meeting of the Association for the Province will be held on the second Thursday in June. Thos. Shotbolt, of Victoria, was elected President of the Council; D. S. Curtis, of New Westminster, vice-president, and M. G. Blanchard, of Victoria, secretary-treasurer and registrar.

Sick Doctors.

OF all sad things of tongue or pen known among men nothing is sadder than a half-sick doctor, unless it be one completely ill; and there is nothing on earth sicker than a sick doctor.

The trouble with the doctor when he is sick is that the disease has no chance to be alone. The victim's consciousness follows it everywhere.

Each nerve, muscle, vessel and organ in its completeness, anatomically and microscopically, passes muster before him.

Does he have a bad taste in his mouth, at once the physiology of the salivary glands, Steno's duct &c., comes to mind.

Is his stomach riotous, every rotten stomach that it has ever been his pleasure to study in close quarters in the dead house is before him.

His headache soon brings visions of the cerebral convolutions, the fissures of Sylvius and Rolando, along with the corpora quadrigemina and the olivary bodies.

His tubuli uriniferi cannot become engorged and occluded in a quiet, restful way like those of other mortals but that the minute anatomy of his renal outfit persistently obtrudes itself.

But the foregoing is not all he has to suffer, for, in addition, his sensory nerves are more tenderly acute in their responsiveness to irritation, and, besides, the unfortunate medical man who is a victim to disease is rarely treated with that gentle, earnest firmness that other invalids receive.

His medical adviser too often advises him only in a suggestive and tentative way instead of ignoring the professional side of him altogether and taking his case definitely with an iron hand, but a touch of velvet. But a reasonable amount of sickness and suffering unquestionably does the doctor good.

It seems to discipline him, to arouse him to a more tender and gentle sympathy for his patients, a greater desire to serve them patiently, skilfully and well.

Indeed, we may say truly, a little sickness now and then will work out good to the most of men.—*Medical Mirror*.

Thiersch's Antiseptic Solution.

BY ADOLPH LEVY, BROOKLYN, N. Y.

THE extensive use of Thiersch's solution (named after a German surgeon) in many modern abdominal, intestinal and bladder operations, conducted in hospitals and frequently at the patient's residence, and in urethral and uterine irrigations performed at the surgeon's office, has induced the writer to recommend the combination of this solution (consisting of salicylic acid 2 parts, boracic acid 12 parts, 1000 parts of water) in form of compressed tablets, each containing:

Salicylic acid, resublimed 14 grs.
Boracic acid (boric) resub'd . . . 84 grs.

To each tablet is added distilled distilled hot water to measure 1 pint. The solution may thus be prepared as needed.

THE Paris correspondent of the *Pharmaceutical Record* says: Pharmacists have been surprised of late at the number of the prescriptions they have had of the bromides united with bismuth and naphthol. They have now discovered the cause. M. Fere of the Salpetriere, finding that large doses of bromide of potassium disagreed with such of his nervous patients as had gastric troubles, sought for a combination which would enable him to give the bromides with impunity. He finally settled upon the following formula: Bromide of potassium, 6 grams; naphthol, B. 4 grams; salicylate of bismuth, 2 grams; divide in 3 doses and give 1 dose 3 times, daily. This is the prescription which many physicians are now trying for their nervo-gastric patients. Some of them add $\frac{3}{5}$ grain of sulphate of strychnine to the above.

MERCURIC COLLODION, recommended by Dr. Kaposi as a remedy for warts, is prepared by dissolving one part of mercuric chloride in 30 parts of flexible collodion. The collodion is applied with a brush once daily to the wart and around its base.—*Quarterly Therap. Rev.*, Jan., 1891.

DUTCHER'S LIGHTNING FLY KILLER



THE ORIGINAL.

IN SUCCESSFUL USE 40 YEARS. PROOF OF ITS VIRTUE AND POPULARITY.

We claim that we should be sustained. Not only on account of purity and persistent advertising, but because we produce the best article made. The Wholesale Druggists will supply at prices yielding 100 per cent. or more profit. There is no money in buying imitations, or that of which you must say it is "just as good." It was Dutcher that brought out an extirpator of these household pests. It is honestly made and terribly effective, and its DUTCHER'S FLY KILLER that the people want.

We will supply Circulars, etc., as wanted, and respectfully solicit your patronage.

FREDERICK DUTCHER, St. Albans, Vt.

The Following Specialties,

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

- GRAY'S "CASTOR-FLUID" for the hair.
- " "SAPONACEOUS DENTIFRICE"—An excellent anti-septic dentifrice
- " "DENTAL PEARLINE" An excellent antiseptic tooth wash.
- " "SULPHUR PASTILLES" for burning in diphtheritic cases.

ESTABLISHED 1869.

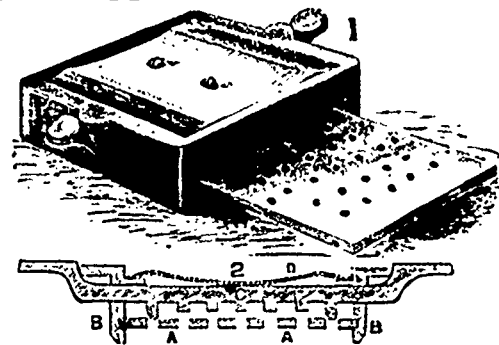
HENRY R. GRAY,

Pharmaceutical Chemist,

22 St. Lawrence Main Street, (Corner of LaGauchetiere)

MONTREAL.

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.

Writing-Inks.

WRITING-INKS can be made equally well from galls and tannin, but inks made from galls are preferable for copying purposes, as they have much greater "body," owing to the extractive matter derived from the galls. The following formulæ are taken from notes by Dieterich quoted by the *Pharmaceutische Centralhalle*. The peculiarity of the first set of formulæ is, that they start from the extract of galls and solution of tannin, to which, after filtration, a definite amount of ferric-chloride solution is added, and, after standing three weeks, these ferrated solutions are filtered. We shall call these ferrated solutions "gall basis" and "tannin basis" respectively. They really are the ink, but it is necessary to add coloring matter to make the writing visible. On exposure to the air, the writing becomes black. Chinese galls are preferable to oak galls for ink-making, as they contain most extractive matter. To make the

GALL EXTRACT,

reduce 6 oz. of Chinese gall to No. 20 powder, and digest in a pint of water for twelve hours. Strain, press the marc, and digest it again in 12 oz. of water for twelve hours, repeating the pressure at the end of this time. Now add to the strained liquors 5 drachms powdered French chalk. Set aside in a cold place for twenty-four hours, then filter, washing the filter with as much water as will make the filter measure 30 oz.

TANNIN SOLUTION.

This is made by dissolving 3 oz. of commercial tannin (it need not be the purified medicinal kind) in sufficient water to make 30 oz. of solution.

GALL BASIS.

To 10 oz. of the gall extract add 1 oz. of 10 per cent. solution of ferric chloride, made by dissolving the salt in distilled water. Allow the mixture to stand in a corked bottle for three weeks, and filter.

TANNIN BASIS.

Made in the same way, using 10 oz. of the tannin solution and 1 oz. of iron solution.

BLUE-BLACK OFFICE-INK.

Gum arabic 1 oz.
Aniline water-blue, I.B. 75 grains.
Glycerine 1 fl. drachm.
Water 12 1/2 oz.

Mix these with 18 oz. of gall basis or the same of tannin basis, and set aside in a closed vessel for a few weeks to clear. Then fill into small bottles, preferably stone bottles, so as to keep away from the light.

This ink writes a beautiful blue color, dries very readily on the paper, and changes to a good blue-black. It is of good quality, and is well liked. It is not a copying-ink.

A RED-BLACK INK

which is identical with the above in quality only that it writes red, changes to a reddish-brown, and finally to a deep brown-black, can be made by using 150

grains of Ponceau BB. (a red aniline color) in place of the aniline water-blue. The following colors may also be obtained:—

VIOLET-BLACK.—Mix together 2 parts of the red-black, and 3 parts of the blue-black inks.

GREEN-BLACK.—Omit the aniline water-blue from the blue-black formula, and use 150 grains of aniline green D.

BLUE GREEN-BLACK.—Mix together 2 parts of blue-black and 3 parts of green-black. A nice color is also obtained by adding 8 to 15 grains of aniline green to the blue-black ink.

DEEP-BLACK.—Omit the aniline water-blue, and use in its place 5 drachms of aniline deep-black E.

COPYING-INKS.

The following are made with the same bases as the foregoing:—

KING'S COPYING-INK—

Gall basis 24 oz.
Aniline water-blue, I.B. 150 grains.
Glycerine 2 fl. drachms.
Gum arabic 5 drachms.
Sugar 150 grains.
Water 8 oz.

Mix, and set aside for a few weeks as above directed.

A ruby ink is made by using 150 grains of Ponceau R.R. in place of aniline water-blue. Both the inks and the copies ultimately turn jet-black. Other colors are obtained with aniline green D. 150 grains; deep-black E, 5 drachms; and indigo-carmin, 150 grains each, in place of the aniline blue.

INK EXTRACTS.

The following quantities are intended for a winebottleful of rain-water. The powder is to be added to the water, and the mixture gently boiled for from fifteen to twenty minutes, and when cold the ink should be bottled and set aside for four weeks before using:—

	Plain.	Copying.
Tannin.....	1 oz.	9 drs.
Dried sulph. of iron..	3 1/2 drs.	4 drs.
Gum arabic.....	75 grs.	2 drs.
Sugar	40 grs.	75 grs.
Aniline water-blue, I.B	40 grs.	75 grs.

Other colors may take the place of the aniline blue as in the preceding formulæ. —*Chemist and Druggist.*

CULTIVATION OF DRUGS IN CEYLON.—

The success which has attended past efforts of the British Government in introducing the cinchona in its colonies as an industry for profit is being followed by many similar projects. So we find in a recent report from the director of the Botanical Gardens in Ceylon that many other drugs are being tried as experiments, looking toward the same end, profitable cultivation. Gambier, cubeb, kola nut, nutmeg, are some of the articles mentioned, though many others are on trial.

One part of boracic acid to one hundred parts of rose water makes an excellent face wash, pimple and other disfigurements being removed under its use.

ADVERTISE

—IN THE—

London Free Press

Only Morning and largest Evening Paper west of Toronto.

Arrives at Cities, Towns and Villages hours ahead of all others. Try it.

Advertising rates, sample copies and circulation maps on application.

FREE PRESS PRINTING COMPANY,

LONDON, ONT.

Mention this paper.

S. LACHANCE,

1538 AND 1540 ST. CATHERINE STREET
MONTREAL,

Proprietor of the following Specialties:

Father Mathew Remedy,

Dr. Sey's Remedy,

Persian Lotion,

Indigenous Bitters,

Audette's Hair Promotor.

Pure Fruit Juices.

If you want to increase your

SODA WATER TRADE

It will pay you to use good

FRUIT SYRUPS.

TO MAKE THESE USE

DR. MITCHELL'S GOLD PROCESS
PURE FRUIT JUICES,

which are made from ripe and carefully selected fruits, without the aid of heat, artificial flavors, sugar, salicylic acid, alcohol, or coloring material.

Customers whom we served last year are sending us now repeat orders. Testimonials on file.

CANADIAN SPECIALTY CO.,

36 Front Street East,

TORONTO, ONT.

Agents for the Dominion.

MONOGRAPH

On Flavoring Extracts with Essences,
Syrups and Colorings,
also Appendix.

By JOSEPH HARROP, Ph. G.

Commended by PROF. BEDFORD, LLOYD and WHEELER.

PRICE, \$2.00.

Order of your Wholesale Druggist or of the Publishers.

HARROP & CO.,

COLUMBUS, OHIO.

Fels & Co's Toilet Soaps

MADE BY
FELS & CO.,
PHILADELPHIA.

ARE UNIQUE IN QUALITY,
BEAUTY OF FINISH,
STYLE OF PACKAGE AND
VARIETY.

They are unexcelled by those of any other manufacturer, and
at less price, (quality considered.)

For information correspond with

THE HEMMING BROS. CO., Limited,
TORONTO.

Circular to the Trade.

Having recently purchased from Brown Bros. & Co. the Trade-Marks, Patent Rights, and business of

PUTTNER'S EMULSION,

We beg to solicit your interest in keeping this old established and valuable remedy before the public.

PUTTNER'S EMULSION is the oldest of the many emulsions now offered to the trade, and maintains its lead against them all.

It is a Native Preparation. It pays the dealer a good profit. It is a good seller, and therefore safe to stock with, and it is undeniably the best for the consumer, for the following among other reasons:—

1. It is the richest in oil.
2. The oil is pancreatized, that is, partially digested, and thus better suited to weak stomachs.
3. The bottles are fully one third larger than others sold at the same price—a point of great interest to the patient.

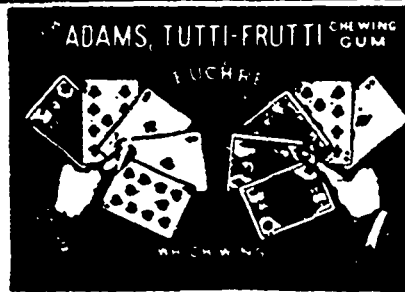
The Emulsion may be had of any Jobber or Wholesale Druggist in the Dominion, at \$4.00 per dozen, \$3.75 by three dozen, or \$42.00 per gross.

Soliciting the favour of your orders to your Wholesale House, we are

Yours respectfully,

BROWN & WEBB,
HALIFAX, N. S.

February, 1891.

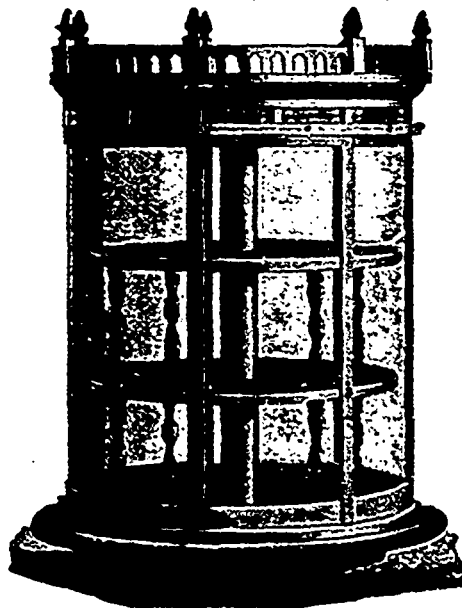


ADAMS & SONS TUTTI-FRUTTI CHEWING GUM.

It is the fastest 5 cent selling article the Drug Trade handles to-day.

SEND TO ADAMS & SONS, 23 CHURCH-ST., TORONTO, ONT.
For beautiful advertising matter.

Coddard's Revolving Book and Show Case.



Patented May 14, 1880, 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.

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 non de plume may be used for publication. Write only on one side of the paper, and be concise.

✓ Mr. Editor:

To incense the druggists against the Council just on the eve of the election, the *Pharmaceutical Journal* contains more than its usual complement of misleading statements. At pages 159 and 160 is an editorial giving as the editor's reason for not publishing vice-President Hall's "Globe letter," because it had been already widely circulated in the *Globe* and was therefore ancient. And I notice in the very same journal at Folio 179, "Presentation to Faculty," also meeting of "District Eleven," page 165, both of which items had been as widely circulated as it was possible for Mr. Shuttleworth to circulate them in the *Globe*, *Mail* and *Empire*, and yet he gives both items a place in his journal and at page 160, in the editorial, "The *Journal* is open to all." He invites his opponents to use his columns, when he knows it is too late to affect the election; and these words occur in the same editorial, "No regard whatever has been paid to the side of pharmaceutical politics to which the writer belonged." Truly the old saying holds good, "Liar should have good memories." Again his design to knife the Council in every issue "under the fifth rib," as used to be charged against editor Patterson of the *Mail* in his treatment of the Grits, by fair or foul means. Read editorial, "Amendments to the Pharmacy Act," page 159, and see if you don't get the impression that the recent amendment is going to open the door to a large number being registered whether the Council consent to it or not, and that the Council have made a botch of the whole thing. But unfortunately for Mr. Shuttleworth's contention, he has published the Act itself in the same article, and on reading it I find that "the whole matter is optional with the Council." They may or they may not register Mr. Brown; no evidence he can put forward will compel them to register him, but I should think if he can prove to their satisfaction that he was in business before 1866 (and it is not likely there is another such case) we can draw our own conclusions as to the disinterested character of the editor. Then on page 165 he has an article "Meeting of District No. Eleven." As a truthful report of that meeting would be most damaging to the editor's side of "pharmaceutical politics," he puts in a prejudiced and one-sided report taken from the *Empire* or one of the dailies, written by his friends. Also in the May *Journal*, Folio 131, he takes a verbatim report said to have been prepared by him for the *Empire*, the newspaper that has been doing his work all along, and prints it in full be-

cause, as he says, it is excellent. Then read the report in the *CANADIAN DRUGGIST* for May, Folio 6, 8, 10, 12, 14, by a disinterested reporter, and tell me if you think such tactics agree with his editorial. Mr. Shuttleworth forgets that his is not the only organ, although not subsidized like his, that is read by the druggists. We owe the *CANADIAN DRUGGIST* every support so that we may hear both sides of this College controversy. I have been looking up the files of the *Journal* to see if the charges of Mr. Hall at London, that it was conducted partially and unfairly, is correct. This month's *Journal* looks like it. I may have occasion to write you on this line again, as we want only the truth.

ONE WHO WAS AT LONDON.

Incompatibles of Antipyrine.

ACCORDING TO MILLARD AND CAMPBELL.

THE following substances produce precipitates when added to aqueous solutions of antipyrine:

Carbolic Acid in saturated solution.
Tannin—(a white insoluble precipitate.)
Mercuric Chloride—(a white precipitate, soluble in an excess of water.)
Infusion Catechu.
Infusion Cinchona-bark.
Infusion Rose-leaves.
Infusion Uva ursi.
Solution of Extract Cinchona-bark.
Tincture Catechu.
Tincture Cinchona.
Tincture Hamamelis.
Tincture Iodine (a precipitate soluble in water.)
Tincture Kino.
Tincture Rhubarb.

The following substances produce coloration when added to aqueous solutions of antipyrine:

Hydrocyanic Acid, dilute solution, yellow.
Nitric Acid, dilute solution, weak yellow.
Ammonia alum, dilute solution, dark yellow.
Amyl Nitrite, acid solution, green.
Nitrous Ether, alcoholic solution, green.
Copper Sulphate, green.
Ferrous Sulphate, yellow-brown.
Ferric Sulphate, blood-red.
Ferric Chloride, blood-red.
Syrup Iodide Iron, red-brown.

—Merck's Bulletin.

How to Loosen Glass Stoppers.

THE *Pottery and Glassware Rep.* states that some one of the following methods is certain to prove effective:

1. Hold the bottle or decanter firmly in the hand or between the knees, and gently tap the stopper on alternate sides, using for the purpose a small piece of wood, and directing the strokes upward.
2. Plunge the neck of the vessel in hot water, taking care that the water is not hot enough to split the glass. If the stopper is still fixed, use the first method.

3. Pass a piece of lint around the neck of the bottle, which must be held fast while two persons draw the lint backwards and forwards.

4. Warm the neck of the vessel before the fire and when it is nearly hot the stopper can be removed.

5. Put a few drops of oil around the stopper where it enters the glass vessel which may then be warmed before the fire. Then apply process No. 1. If the stopper still continues immovable, repeat the above process until it gives way, which it is almost sure to do in the end.

6. Take a steel pin or needle and run it round the top of the stopper in the angle formed by it and the bottle. Then hold the vessel in your left hand and give it a steady twist toward you with the right, and it will very soon be effectual. If this does not succeed, try process No. 5 which will be facilitated by it.

In the Saline Valley, California, they gather borax by just shovelling it into wagons and hauling it away. This is the greatest natural deposit of borax in the world.

Wanted.

WANTED—By a young man, situation in a Drug Store; three years' experience in retail store; good references; city preferred. Address "W. A. T. W." Box 410, Galt, Ontario.

WANTED—In one of the most flourishing cities in the Dominion, an energetic, active partner, with from \$2500 to \$3500 cash; to develop a combined Fancy Goods and Drug Business; or owner would sell Drug Bu. in separate. Address, Box 333, Vancouver, B.C.



A GREAT Scientific Revelation.

The microbe 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 and are finding it a splendid medicine to handle, one 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.

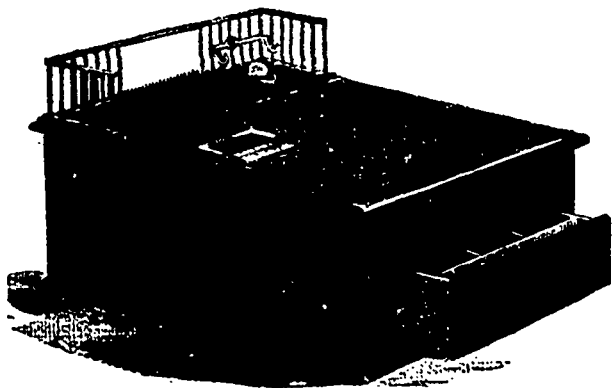
We want an exclusive Agent in every town in Canada.

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.

THE CASHIER.



The Greatest Success of All.

No argument should be needed to convince you, a business man, of the necessity and very great advantage of keeping a correct account of your daily cash receipts.

Which is **THE BEST** Cash Register, is the question?

The "**CASHIER**" is not a high priced machine, but is within your reach. It is very simple in use, gives a perfectly correct and separate detailed account of each salesman's daily sales and receipts, shows amounts received on account, and enables the owner (and him only if desired), to know exactly what each salesman has done on each day. It prevents mistakes, and discovers them if made; takes care of the cash, and puts the owner in the way of stopping any leakage that may be occurring (unknown to him), in his cash drawer.

ALL FOR \$45.00.

Your order is solicited, and when received shall have prompt attention.

Address—**GEO. F. BOSTWICK,**
24 West Front St., TORONTO.

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.

Beeman's Pepsin Chewing Gum

THE LATEST NOVELTY.

We have originated and put on the market a novelty, **--PEPSIN GUM.**



The only Chewing Gum containing Pepsin ever placed before the public. Each tablet contains a grain of pure pepsin, is a delicious remedy for Dyspepsia and Indigestion, and the best Chewing Gum ever manufactured.

Put up in 5 cent packages and 15 cent boxes, especially designed for the Drug Trade.

Samples sent on application. Address

BEEMAN CHEMICAL CO.

Originators and Manufacturers,
CLEVELAND, OHIO.



Fly Poison!

BRIGGS'

FLY POISON MATS

The Greatest Destroyer of Flies and Insects known.

Order from any Wholesale Druggist or Patent Medicine Dealer, or direct from the manufacturers.

G. C. BRIGGS & SONS,
HAMILTON, ONT.

Manufacturers of the Celebrated "SHOO-FLY" Fly Poison.

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 Editor:

Sir,—A letter appears in the *Canadian Pharmaceutical Journal*, June, page 167, over the name "Justice." This is a false representation of the work I have carried out, namely, procuring recognition of the Diploma of the Ontario College of Pharmacy, as being from a reputable College of Pharmacy, so that the holder could receive registration from the Boards of Pharmacy of the various States, as provided in their laws, without further examination.

This letter is on a par with the "dishonorable trick" done by a member of the Council in sending a misleading and false account of the proceedings of the meeting of the Council of our College held in February, 1890. This was sent for publication to the *Pharmaceutical Era*, of Detroit—see that journal, June, 1890. This account was repudiated and corrected in *CANADIAN DRUGGIST* of July, 1890, and also in the *Era*.

There was not any "reciprocity in Diplomas" mentioned in the whole correspondence with the various examining boards, which "Justice," or Mr. Shuttleworth, could have learned by reading-report of the Council, see *Journal*, March, 1890, page 108,— "Moved in amendment by H. Watters, seconded by J. W. Slaven, that this Council approve of the efforts made by the President in obtaining from various State Boards recognition of the Diplomas of this College, and that the thanks of this Council be tendered to him for his zeal in promoting the interests of our College, in directing attention to the excellence of our Pharmacy Act." The vote on this was 10 yeas and 2 nays. Those voting nay were D'Avignon and Sanders.

In connection with this, I would state that Mr. Sanders denied having sent this false account to the *Era*. So the author can be discovered by looking at the vote. I have evidence to prove that it was a member of the Council who sent this item to the *Era* for publication.

In 1887 a man was registered by the Ontario College of Pharmacy on a certificate from an examining board in the United States, not a "Diploma" from a College of Pharmacy. By a strictly legal reading of section 15 of the Pharmacy Act, he was not entitled to registration, but it is alleged that a certain wholesale druggist had sold, or was negotiating a sale for a stock of drugs to this party, and procured his registration.

I believe there is no doubt but the party was fully competent to conduct the business of a druggist, but if we follow

Mr. Shuttleworth's reading of the law, he should not have been registered.

This anonymous letter would not have received any notice from me, excepting for the gross misrepresentation, and the evident intention to mislead the members of the College so as to prejudice their minds against some of the candidates in this election.

JOHN A. CLARK.

Books and Magazines.

THE *Home Maker* for June, is a very interesting number, a number of the articles being especially seasonable. Published by the *Home Maker Co.*, 44 East Fourteenth St., Union Square, New York, at \$2 per annum.

HARPER & BROTHERS announce for publication, early in June, *Jinriskisha Days in Japan*, by Eliza R. Skidmore; *Unhappy Loves of Men of Genius*, by Thomas Hitchcock; *A Group of Noble Dames*, by Thomas Hardy; a new popular edition of W. C. Prime's *I Go a-Fishing*; and a library edition of H. Rider Haggard's *Eric Brighteyes*.

HAVE YOU ENTERED THE COMPETITION.

\$750 in gold, three organs, a sewing machine, a letter filing cabinet, gold watches and other prizes to the number of 100 in all, aggregating in value over \$3,000, the smallest being valued at \$5. That is the list which the *Dominion Illustrated* will distribute among subscribers at the close of the current six months, in connection with the prize competition now in progress, and which is still open to new subscribers. For sample copy and all particulars send 12 cents in stamps to the Sabiston Litho. & Pub. Co., Montreal.

ELEGANT PRIZES FOR THE LADIES.—

The Publishers of *The Canadian Queen*, Toronto, Canada, are offering two new prize competitions, with leading prizes consisting of a pair of Shetland Ponies, carriage and harness, a free trip to Europe, first-class upright piano, two weeks' vacation to any of the summer resorts in Canada or the United States, all expenses paid; safety bicycle or tricycle, one hundred dollars cash, suit of parlor furniture, ladies' gold watches, etc. This magazine has become famous on account of its prize competitions. Hundreds of Canadians have won valuable prizes in previous contests. Sample number of *The Queen* with full particulars, will be sent by the publishers on receipt of the address of any lady and four three cent stamps. Address, *The Queen*, Toronto, Canada.

A COMPANION FOR YOUR JUNE OUTING.

—With over 120 illustrations, the *Cosmopolitan* for June sets a fast pace in the handicap for magazine honors. The personal element enters largely into its composition, and an impression of beautiful women is the first received by the reader

who turns its pages. The frontispiece is a portrait of Madame de Pompadour, and pertains to a bright sketch of a summer spent in the home of that famous woman by Amelie Rives and her guests. Miss Julia Magruder, the writer, was one of those guests, and instantaneous photographs are used to illustrate the scenes of a delightful holiday amidst unusual surroundings. A pleasant insight into the attractiveness of Japanese women is given in a paper by Henry T. Finck, illustrated by a large number of photographs of pretty faces. The art article of the month describes the work of Gustavo Dore, with elaborate engravings which illustrate very well the masterpieces of that wonderful artist. Thomas B. Conner, formerly managing editor of the *New York Herald*, gives interesting reminiscences of the first of Stanley for that journal, and of his neighbor, Thomas A. Edison. S. G. W. Benjamin, ex-Minister to Persia, tells the true story of Noor Mahal, the light of the Harem, celebrated by Thomas Moore in *Lallah Rookh*. This bit of Eastern biography is illustrated from Oriental sources. (*Cosmopolitan Publishing Co.*, Madison Square, New York, price 25 cents.)

THE JUNE NUMBER of *The North American Review* is the 415th issue of that standard periodical, and brings to a close the 152nd volume, of which a careful index is included in this number. A glance at the index discloses among the notable contributors during the first half of the year the names of Emilio Castelar, Joseph Chamberlain, Henry Clews, Sir Charles Dilke, Sidney Dillon, Richard T. Ely, Cardinal Gibbons, Dr. William A. Hammond, M. W. Hazeltine, Lecky, the historian; the Hon. Henry Cabot Lodge, the Marquis of Lorne, Justin McCarthy, the Count of Paris, ex-Minister Phelps, Bishop Potter, ex-Speaker Reed, Secretary Rusk, H. A. Taine, Sir Charles Tupper, Erastus Wiman and Walt Whitman. A notable array truly, and one which is lengthened by the names of the distinguished contributors to the present number. The leading feature of this is a most valuable paper on "Our New War-Ships," by the Hon. Benjamin F. Tracy, the Secretary of the Navy. Two articles, one by Gen. Rush C. Hawkins, and an answer to it by Colonel Robt. G. Ingersoll, are bracketed together on the cover. One is entitled "Brutality and Avarice Triumphant;" the other bears at its head the question, "Is Avarice Triumphant?" In "Compulsory Physical Education," the Earl of Meath shows what has been accomplished in this matter in the schools of England, and points out how far America is behind the mother-country in this respect.

WOMEN AS CHEMISTS.—A petition has been presented to the Prussian House of Representatives demanding the admission of women to the practice of the profession of chemists.



LIFE,
GROWTH
—AND—
BEAUTY
FOR THE HAIR.

LUBY'S PARISIAN HAIR RENEWER

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

Strengthens weak hair,
Checks its falling out,
Allays irritation of the scalp,
Removes all traces of Dandruff,
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 counterfeits. We cannot advertise counterfeit goods. But the original and genuine we will advertise, and sell, too.

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

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

Address to Main Office,

Eureka Chemical Co.,

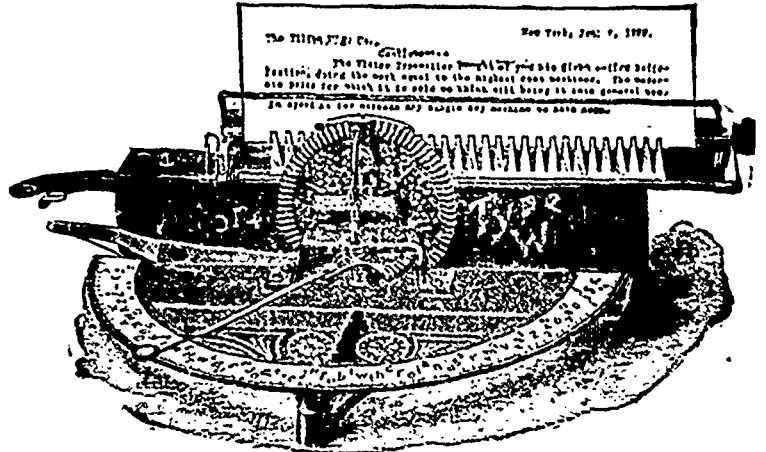
10 & 12 Michigan Ave.,
DETROIT, MICH.



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—while to the young novice it is a hand-book and treasure of indispensable value.

Contains 28 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—Quantities necessary to insure Success—Merchandise Examples—Expenses of Doing Business—A calendar of Business—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.

GIBBONS' Toothache Gum

PREPARED BY

J. A. GIBBONS & CO., Toronto and Buffalo.

SOLD BY ALL WHOLESALE HOUSES
IN CANADA.

SELECTIONS.

EMULSION OF SALOL.—An emulsion of salol may be made by warming the salol with a small quantity of olive or sweet almond oil, and emulsifying the oil with acacia in the usual manner. Add any flavoring desired.

If ether contains alcohol, the presence of the latter is shown by shaking up with a mixture of 9 parts of saturated solution of potassium bichromate and 2 parts of saturated solution of mercuric chloride. The mixture becomes turbid in 10 to 20 minutes, owing to the mercury being deposited as a white powder.

DITHIOSALICYLIC ACID.—There are two isomers which go by this name. The soda-salts of the acids differ widely. One is difficultly soluble in solution of sodium chloride is insoluble in alcohol, and is not hygroscopic. The other is easily soluble in solution of common salt and in alcohol and is strongly hygroscopic. The first is poisonous to animals, but the second is used medicinally.

FROG PEPsin.—M. Coutejean has informed the Paris Academy of Sciences that the pepsin secreted by the œsophagus of the frog is either more abundant or more active than the pepsin of the stomach. Both pepsins transform coagulated albumin into syntonin, and afterwards into peptone, without passing through the pro-pepsin stage. The predominance of the action of œsophagean pepsin or stomachic pepsin is especially manifest by the larger quantity of syntonin that it produces.

ADVICE TO DOCTORS.—There is a piece of the soundest advice to doctors in Sir Richard Quain's latest address: It is, "Always cultivate a good bedside manner! A cheerful face is worth ten doses of medicine to the patient; while a gloomy one may provoke a serious relapse." The husband of a patient once said to Sir Richard: "I greatly appreciate the anxiety you feel for my poor wife, but please do not let her see it again, for after you left the room she asked if you were the undertaker."

MAGNESITE, the new rival of barytes and other similar articles in the manufacture of paints, continues to excite interest among the whole trade. The *Chemical Trades Journal* says this mineral, being nearly 99 per cent. pure carbonate of magnesia, at the same time very white, heavy, and opaque, is in addition to its usefulness as a paint, probably the cheapest form of magnesia for chemists, and is very useful in many other ways in the arts. It is also used largely in Europe by soap manufacturers to give weight and body to their cheaper grades.

GELATINISATION OF INFUSION OF DIGITALIS.—Infusions of digitalis which have been kept some time occasionally become gelatinous or mucilaginous, the cause of the change not being very obvious. The matter has lately been engaging the attention

of some German chemists, who have found that the peculiar thickening referred to depends upon the presence of pectin or some very closely allied body. It has been noted that this substance does not appear when the infusion is made carefully from leaves which have been deprived of their longer stalks, especially when the process of maceration is stopped in about fifteen minutes.

IMPROVEMENT IN MAKING TINCTURE OF IODINE.—M. Vauthier, pharmacist, of Paris, has communicated to the *Repertoire de Pharmacie* a sketch of a very simple apparatus for making tincture of iodine. It consists of a cup of glass or porcelain, the bottom of which is pierced with numerous minute holes, and which set in the mouth of a jar, reaching just a little below the level of the body of the same. The exterior of the neck of the bottle is ground and fitted with a ground-glass cap, which closes it hermetically. In use, alcohol is poured into the bottle up to the neck, and the iodine is put into the cup, and the cap applied. Solution at once commences, and as fast as a portion of the alcohol is saturated it sinks to the bottom, bringing fresh liquid in contact with the iodine until saturation is complete. The apparatus will serve equally well for making tincture of resins, gums, gum resins, etc., on a small scale—though for that matter, the principle could be applied to vessels of any size. It serves equally well for the preparation of saturated solutions for titration, etc. The great beauty of the principle is that it does away entirely with the necessity of agitation. The preparation need not be touched from the beginning to the end of the operation.—*Nat. Drugg.*

A Few Pharmaceutical Notes.

BY J. E. HUBER, PH. G.

1. That an ounce bottle of quinine contains 437.5 grains, and you dispense it at the rate of 480 grains to the ounce.
2. That graduated measures with a half broken off base can be mended by inserting it into a cover of an ointment box, fixing with plaster of paris, afterward soaking in melted paraffin.
3. That large wide mouth bottles, properly scratched with a file, for quantity and tare, make good receiving bottles.
4. That it is easier to work with the metric system than any other.
5. That all practical pharmacists will buy an edition of the new pharmacopœia as soon as issued.
6. That in making aromatic spirit of ammonia you will allow the carbonate of ammonium, United States Pharmacopœia, and hydrate of ammonia, digest at least six hours and you will have a nice, clear solution when all the rest is added.
7. That by adding seven per cent. alcohol to official syrup of ipecac you have a preparation that does not precipitate.
8. That when mixing strong acids and water, to add the acid to the water slowly, constantly stirring.

9. That by substituting white petrolatum for almond oil in the United States Pharmacopœia, formula for *ung. aqua rose*, you get a more satisfactory preparation.

10. That the only way to make syrup of wild cherry is to stick to the United States Pharmacopœia process; don't use fluid extract.

11. That if your soda water tastes like a copper penny, testing with ferrocyanide of potassium will give a brown precipitate after a little standing; a most delicate test for copper.

12. That by letting your surrounding physicians know that you can make as good specialties as the manufacturers, you may get quite a line of your own.

13. That by being polite in selling a postage stamp may make room for another purchase of some other article. Politeness is cheap.

14. That it does not pay to be in a hurry when making stock preparations; a little time will work wonders.

15. That in making preparations always be sure, when finished, to see that they are up to weight and quantity.

16. That cocaine solutions are decomposed by alkalies and especially borax; not by boric acid.

17. That 100 per cent. solution of acetate of potassium makes a convenient method for dispensing in prescriptions; keep well corked or stoppered.

18. That chemical and microscopical examinations of urine may be made profitable to the pharmacist.

19. That a good microscope is one of the necessities of pharmacy.

20. That regular collection and presentation of monthly accounts should be attended to promptly.

21. That by discounting your bills you make money.

22. That a clean pharmacy is pleasing to the public eye.

23. That you should become familiar with all new remedies, dose, action and administration.

24. That time, tide, and street car wait for no man.

25. Lastly, to do the best you can.

—*Meyers Bros.' Druggist.*

The *Bulletin of Pharmacy*, speaking of mistakes of drug clerks, says it is questionable if educated dispensing pharmacists receive fair consideration from the public.

When we remember how many times each day human life is placed in the hands of a druggist, it is indeed astonishing to realize how few mistakes are really made.

When an error does occur, it is heralded over the country as a dreadful thing, while no mention is made of the thousands and thousands of prescriptions that have been accurately filled.

The more assistance we give to others, the less our own troubles appear.



SECTIONAL VIEW.

J. & S.

Sticky Fly Paper is the Best.

Packed in self clamping wooden boxes so that the edges of each sheet are kept perfectly clean, and your hands will not be soiled when opening the sheets.

Costs you only 65c. a box of 25 Double Sheets, and you sell it for \$1.25. A good Profit—This is Business.

OVER 284,000 BOXES SOLD LAST YEAR.

For Sale by all the Wholesale Drug Houses.



RAT PILLS

**UNDOUBTEDLY
THE BEST
RAT POISON.**

BECAUSE—Rats do not die in the house. Rat pills are always ready for use. They require no mixing. They are colored to make them easily distinguishable. There is no danger of being poisoned by accident, as these pills will color anything with which they come in contact. Each pill is strong enough to kill at least five rats. There is a peculiar aroma arising from these pills which is liked by rats and mice. One box contains enough pills to kill 200 to 300 rats. Through these advantages we can safely say that our Rat Pills are highly superior to other preparations of like character.

No mixing of poison necessary.

Simply distribute them where Rats and Mice congregate.

Rats and Mice like them and will eat them.

PRICE \$1.75 DOZ.

RETAIL 25c. BOX.



EXTERMINATOR KILLS

Cockroaches, Bedbugs, Ants.

This preparation will positively Kill and Destroy these Insects, as also their Breed—and Eggs.

We guarantee our EXTERMINATOR, and are willing to pay \$100 where it does not do the work, if used according to our directions.

PRICE \$1.75 DOZ.

RETAIL 25c. CAN.

Infallible Moth Powder

WILL PREVENT AND KILL MOTHS, &c.

Nothing better for Woollen, Silk or FUR GOODS.

Packed in $\frac{1}{4}$ and $\frac{1}{2}$ lb. Cans. Retail, 25 and 50c.

Wholesale Price, \$2.00 & \$3.75 doz.

Disinfecting Tablets, for

BASINS, SINKS, SEWERS,
CLOSETS, &c.

These Tablets are very hard and possess all the Deodorizing qualities. It is not so obnoxious as Chloride of Lime, &c. One Tablet will last for one month.

\$1.75 Dozen. 25c. Tablet.

JARMUTH & STEINKRAUS,
Manufacturers, CHICAGO, III.

FORMULARY.

ANTI-MOSQUITO POWDER.

Take of

Eucalyptol	parts	5
Talcum	"	10
Cornstarch	"	85

Mix.

Especially adapted for parties camping out. It may be rendered more effective by replacing 50 per cent. or more of the starch by naphthalin.

MOSQUITO TINCTURE.

Eucalyptol	10	parts.
Acetic ether	5	parts.
Eau de Cologne	40	parts.
Tinct. of insect powder (1 to 5 S.V.R.)	50	parts.

Mix.

For sponging the skin a mixture of 1 part of this with 3 to 6 parts of water may be used. The tincture is also useful for spraying in apartments; for this purpose 1 part may be mixed with 10 parts of water and used in a spray-producer.

FURNITURE POLISH.

MELT together 4 parts of paraffin, 1 part of tallow, and pour the mixture into a vessel containing hot water. Add 12 parts of oil of turpentine and stir well. Allow to stand until cold.

TOOTH ACHE PILLS.

Pow'd opium	12	grains.
Pow'd camphor	24	grains.
Ext. Belladonna	6	grains.
Tinct. aconite root	24	drops.

Make a mess and divide into 48 pills; press a pill into the cavity of the aching tooth.

CHARCOAL TOOTH POWDER.

Powdered willow charcoal ..	1	pound.
Precipitated chalk	1	pound.
Powdered orris root	2	ounces.
Oil cinnamon, ceylon	1	drachm.

SALICYLATED VASELINE.

Liq. paraffin 0.810 sp. gr.	60	parts.
Solid " "	40	parts.

Melt and add

Salicylic acid ..	2	parts.
-------------------	---	--------

Previously rubbed fine with a few drops of the melted mass in a warmed mortar. Perfume with

Oil Citronella	2	drops.
Oil Bergamot	2	drops.
Oil Wintergreen	1	drop.

It is moulded in sticks and put up in tin boxes with sliding bottom. —*Dieterich's New Manual.*

CEMENT FOR GLASS AND PORCELAIN.

This formula is given by Gawalowski (Prager Pharm. Rundsch.):

Take of

Sulphur ..	6	parts.
Burgundy pitch	4	parts.
Shellac	1	part.
Elemi	2	parts.
Mastic	2	parts.
Kaolin (finely powdered)	6	parts.

The first four ingredients are melted and the kaolin gradually added, with constant stirring. When cold, the mass is rolled into sticks. The surfaces to be glued must be previously warmed.

LABEL VARNISH, made by dissolving 1 gum dammar in 9 disulphide of carbon, is

lasting, and has a bright luster.—*Rundsch.*

Starch Gloss.—The *Drug. Ztg.* gives the following formula for making an excellent starch gloss: 300 powd. stearin, 100 borax, 10 common salt, 50 gum arabic and 400 finest rye starch are intimately mixed.

Is Salicylic Acid Harmless?

EXPERIMENTAL demonstrations have repeatedly shown that salicylic acid possesses no positive action on the system, even when employed in considerable quantities. This indifference so far as the general system is concerned, is well recognized, and yet it would seem, from recent investigations, that salicylic acid is not altogether free from effect. Its influence is manifested in interfering more or less with the normal functions of the several juices of the body. Thus it will prevent the conversion of starch into sugar, either by diastase or by the pancreatic ferment, but is said not to seriously interfere with either peptic or pancreatic digestion of albumen. Saccharin, which in its inertness closely resembles salicylic acid, exhibits likewise a similar influence upon the action of the ferments as just described. On the other hand, the common preservatives, sodium acid sulphite and boric acid, are said to possess no effect, whereas betanaphthol has a positive interference with the diastase, but none with the pancreatic formation of sugar. The latter, furthermore, prevents almost entirely the peptic and pancreatic digestion of albumenoids. The safe side, however, is to use none of these.—*Am. Analyst.*

A New Hypnotic Mixture.

In the *Journal de Medicine de Paris* for March 22, 1891, Dr. Stefani calls attention to a new hypnotic, which, even if it be not very efficacious, at any rate has the merit of being perfectly harmless. This mixture consists of equal parts of tartaric acid and sodium bicarbonat., the sodium bicarbonate being dissolved in water, the tartaric acid then added, and the mixture drunk while effervescing, from $\frac{1}{2}$ to 2 drachms being given at bed-time. It does not seem probable that, strictly speaking, this mixture, which differs from a Seidlitz powder only in the relative properties of the ingredients, can have any hypnotic power whatever, although perhaps, as Stefani claims, carbonic acid may be endowed with some slight hypnotic power.

The more assistance we give to others, the less our own troubles appear.

The recent report of the public analyst on certain drugs and chemicals recently analysed, shows conclusively that hydrocyanic acid should never be sent out by wholesale houses in corked bottles. The old fashioned 1 oz. stoppered blue bottle is the only bottle suitable. There was no evidence of intentional adulteration judging by the report. Negligence in the manner of keeping drugs is the prevailing sin.

To Retail Druggists and Chemists

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

ST. JACOBS OIL
TRADE MARK



THE GREAT REMEDY FOR PAIN.
—CURES—
RHEUMATISM, NEURALGIA, SCIATICA, Lumbago, Backache, Headache, Toothache, Sore Throat, Frost Bites, Sprains, Bruises, Burns, Etc.

McCOLLOM'S

Rheumatic Repellant.

AN INTERNAL REMEDY FOR THE CURE OF

Rheumatism, Gout, Neuralgia, &c.

Has stood the most extreme and critical tests during the 17 years it has been extensively used, and has proved in thousands of instances, both in Canada and the U. S., to be the most reliable remedy known to effectually and permanently cure this class of diseases. Immense numbers of those benefitted testify to accuracy of these statements, and assert that no Drug Store is complete without it.

Having found the 2 oz. or sample size objectionable, from the quantity being insufficient to produce satisfactory result in extreme or chronic cases, we have decided to withdraw this size and in future only put up the 10 oz. or \$1.00 bottles.

Supplied to Druggists at \$7.50 per doz.

RHEUMATIC REPELLANT

Is prepared only by W. A. McCOLLOM, Druggist, Tilsburg, and supplied at wholesale by Messrs. Evans & Co., J. W. Brayley, Montreal; Lyman Bros. & Co., Elliot & Co., Northrop & Lyman Co., Toronto; J. Wiener & Co., Archdale Wilson & Co., Hamilton; London Drug Co., Kennedy & Co., London; Martin, Rosser & Co., Winnipeg, Man.

LAWSON & JONES, Label & Printers

AND DEALERS IN

DRUGGISTS' CONTAINERS,

LONDON, - - CANADA.

Folding Boxes,
Cartons and Wrappers,
Comb and Toothbrush Envelopes,
Powder Envelopes,
Prescription Blanks, Etc.

Write for Label Catalogue. *Mention this paper.*

LAWSON & JONES,

348 Clarence Street, - LONDON, CANADA.

"SUPERIOR NUTRITION THE LIFE" IMPERIAL GRANUM



THE GREAT MEDICINAL FOOD

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



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.

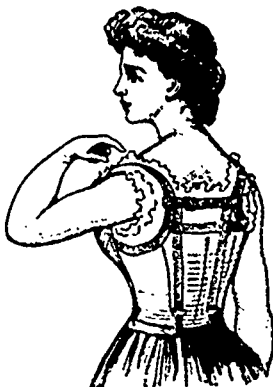
The importance of a Shoulder-Brace in holding the body erect, expanding the Chest, preventing Round Shoulders and Hollow Chest, is well understood. Good health depends upon it. Many attempts have been made to present a suitable article for this purpose, all of which, however, were objectionable in some 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,

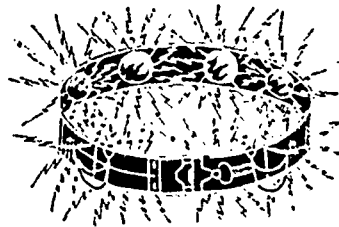
Knickerbocker Brace Company,

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

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



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.

A Great Surprise.

JOURNALISTS dearly love a surprise, something they are not in the least expecting, so few things come in the way of a revelation to them as they are supposed to "know it all," but we do happen to see things once in a while that give us lots to write about and much more to think of. It was a case of this kind that came to our lot when we visited Montreal a short time since. Few members of the Drug Trade know that the Davis & Lawrence Co., (Limited), Montreal, operates one of the largest manufacturing of pharmaceutical and proprietary specialties in America, and by far the largest in Canada. We all had a pretty general idea that they did a large business, but no conception of the volume of their trade can be realized till one has passed through the various departments of their immense building, which occupies three sides of the square, bounded by St. Antoine and Chatham Sts. and Bannockburn Ave., 401 feet frontage in all, with a tower on the St. Antoine St. front. The building has four flats is most substantially built of stone and brick with sandstone facings, with a stone boiler house in the inner court.

The whole St. Antoine St. wing is used for storage and offices. The private office and general business offices are light, spacious and handsome. All the work is planned with a view to a saving of time and labor. You do not see any of the large staff of clerks waiting like "Micawber" for something to turn up, they are kept as busy as bees, each having specified work to be responsible for. Necessarily a

great deal of time and thought is given to the advertising and printing department under which head comes, the newspapers which are received from all parts (and have to be checked daily to see that advertising appears), magazines, medical journals, almanacs, in different languages for various countries, the different advertising books, circulars, cards, pictures, labels, wrappers, physicians' literature upon all the new pharmaceutical goods issued, and a vast variety of every description of printing necessary to inform the trade, the physicians, and the public, upon the peculiar adaptations of the different preparations exploited.

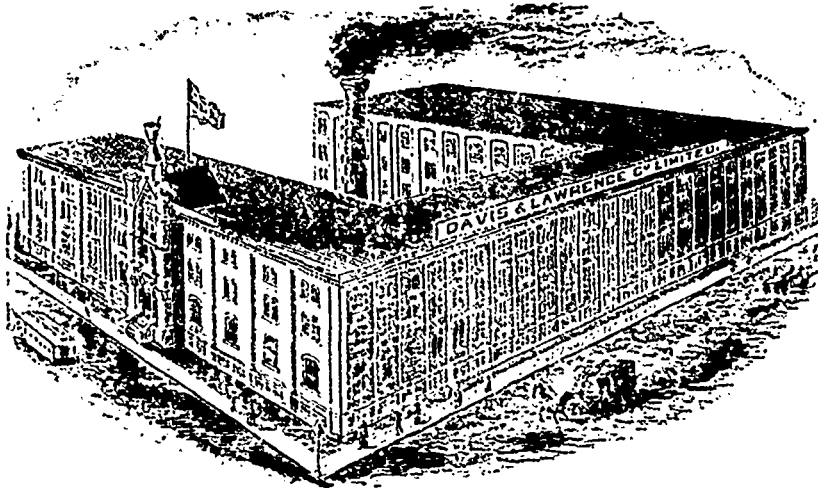
The system of booking and despatching orders deserves special mention. Instead of entering a whole batch of orders in a book, all orders received from travellers are written on a special form by them, and all letter orders are entered on similar forms, each is numbered, and number, date, name and place entered on a special book; then each order is placed on a separate fyle, and that fyle accompanies the goods as the order is being laid out, and

till finally packed for shipping, and then goes to the invoice clerk, and in turn to the book-keeper, so that orders received in the morning can be completed and in the ledger by night or the following morning, if they are not delayed for shorts.

The cellarage is very lofty and well lighted. It is the storage for cased goods, all shipments of original packages are made from here; one can hardly believe that those thousands of cases of Florida Water, Pain Killer, "D & L." Emulsion, Fellows' Syrup, Allen's Lung Balsam, and other well known preparations will have to be replaced before very long by further supplies to meet the ever increasing demand.

The open stock room where all sundry orders are made up is as conveniently arranged as can well be imagined. Each order is laid out in a sort of miniature box car (without a top), and when complete is wheeled out and sent to the shipping room.

The Chatham St. wing contains the Laboratory and Pill Compressing Department, and to us this was probably the



OFFICE AND LABORATORY OF DAVIS & LAWRENCE CO., LTD.

most interesting of all the interesting departments of this immense factory. After being prepared in the laboratory (connected with which are the machines for grinding, mixing, sifting, &c.) the various pill mixtures are placed in a drying room. They are then passed into the compressing department which contains the only machines in Canada capable of making the pills or tablets of that rounded flat shape peculiar to Wyeth's Compressed Goods. These machines which work automatically, are capable of producing about a quarter of a million tablets per day each, and can make them of almost any size or weight. By an ingenious contrivance of wheel brushes the dies are kept bright and clean after each impression. The whole list of Wyeth's Compressed Goods, comprising Lozenges, Tablets, Hypodermics and Triturates, are made in this way. The process of weighing, counting, filling, &c., is carefully supervised by the chemist in charge.

The Fluid Extract department which is in the Bannockburn Avenue wing consists of a long array of percolators, stills,

&c., the percolators ranging from a capacity of 50 lbs. to 500 lbs.

Glancing hurriedly through the other manufacturing departments we observed Pill Coating Machines, Beef Boilers, Great Soap Boilers, Steam Jacket Kettles of all sizes, Great Vats for Pain Killer, Lung Balsam, Wyeth's Beef, Iron and Wine, and in the "D & L" Emulsion department an entirely novel and interesting mode of emulsifying the oil, which no doubt contributes largely to its claim as a non-separating emulsion.

The two floors below in the same wing are used in putting up the preparations. In the centre are long tiers of barrels, kegs, demijohns, &c., with a card upon each showing the date and quantity made, and in column opposite the quantity taken out, so that stock on hand can always be noted. These rooms are filled with girls busy bottling, corking, capsuling, labelling and wrapping. For much of the work special machines are provided. A very close watch is kept over this department by a foreman to see that all stock is put up equal to the standard of elegance and

neatness that the Davis & Lawrence Co. is noted for. The Rieksecker Perfume department adjoins. Mr. Theo. Rieksecker visits Montreal personally every little while to manufacture his perfumes. He looks after that himself so that the goods never fail to be uniform in the standard of their quality. This is the department we would like to work in if we had our choice. It is as the ladies would say, "just too sweet for anything."

After a visit to the soap making rooms we saw just wherein lies the difference between the manufacture

of ordinary toilet soaps and the great medicinal soaps of this company, the Palmo-Tar, Palmo-Sulphur, Palmo-Carbolic and Palmo-Complexion.

Descending we came to the plaster factory, and then we pass to the shipping room. System is here again very apparent and quick despatch is the order of the day. We note in addition to the Canadian address marks on cases, many marked for foreign lands—the West Indies, South America, India, &c.

Descending again, we find the bottle washing room, special machines being provided for that work of a design used by this company only.

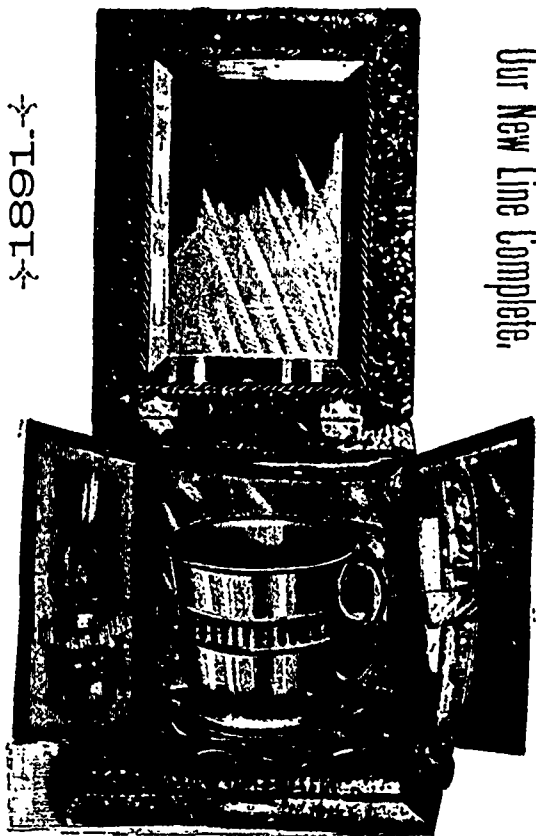
The foregoing sketch is only intended to give a slight idea of what we saw in this enterprising company's establishment. We have permission to state that any of the firm's patrons will be welcomed and shown through the building if they would be pleased to call when visiting Montreal.

The New Nurse (vigorously)—"Come now, sor-r! wake up and swallow yer slapin' dose—it's time.

Reinhardt - Manufacturing - Co.
MONTREAL

Perfume, Nail, Brush, Comb and Mirror Sets,
AND DRUGGISTS' SUNDRIES.

1891



Our New Line Complete.

Established 1881.

Incorporated 1891.

PUREST AND SWEETEST
Argoline + Petrolatum
Petroleum Jelly.

Sold in Barrels, Half-barrels, 1 lb, 5 lb, 10 lb, 25 lb. & 50 lb. Tins.
Also in full 2 oz. Vials at \$5.25 per gross.

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

A full size sample by mail on application.

SPECIAL QUOTATIONS FOR QUANTITIES.

- Argoline Pomade.
- Argoline Camphor Ice.
- Argoline Cold Cream.
- Argoline Camphorated.
- Argoline Carbolated.

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

ARGOLINE MANUFACTURING COMPANY,
HOMESTEAD, PA.

DON'T FAIL TO READ THIS.

100 % profit on the Best Headache
Remedy on the market.

Brown's Alpha Wafers

AGENTS WANTED IN EVERY TOWN.

These Wafers are the most attractive article for counter display ever
offered in this line. With first order for one-half gross, we print buyers
name on 500 samples, put up in neat envelopes, containing each a Wafer.
If they are properly distributed they will create a large demand for the
goods. We are continually receiving letters from the trade wherever
our Wafers are introduced in this manner, reporting larger sales for them
than all other HEADACHE preparations combined.

Price—One Gross,	- - -	\$18.00 delivered.
Half Gross,	- - -	9.50 "
One Dozen,	- - -	1.75 net.

Address all Orders,

W. J. BROWN MEDICINE CO.,

110 Woodward Avenue,

Branch Laboratory—Windsor, Ont.

DETROIT, MICH.

Advise your Customers to

SMOKE

Creme de la Creme,
Canvas Back,
Rose Celeste,
and El Caza

CIGARS,

MANUFACTURED BY

J. M. FORTIER,

MONTREAL.

BUSINESS NOTICES.

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

Read the change of advt. of The H. W. Jayne Chemical Co. on page 11.

IVORINE, a choice toilet requisite, handsomely put up and delicately perfumed, is the latest in tooth powders. It is prepared by the Henning Bros. Co., who declare their intention of pushing its sale, and we have no doubt it will prove a desirable acquisition to stock.

THE Ireland National Food Co., of Toronto, call attention in their full column advt. in this number to a line which may be profitably handled by druggists. These goods are all put up in packages, give universal satisfaction and may be made an additional source of revenue to the dealer.

If you want to know "How to do Business" send for a copy of the book with this title. It is a work of interest to the experienced as well as inexperienced business man, and contains many valuable hints and rules which to the novice in business makes it almost indispensable. See advt. on page 27.

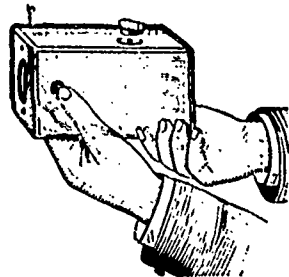
WILSON'S FLY POISON PADS, the pioneer pads of Canada, are having a remarkably large sale, owing no doubt not only to their well known "sure death" properties, but also to the fact that this year they have been enlarged and 5 pads put in each packet. They are sold by all jobbers from the Atlantic to the Pacific.

THE Chesebrough Manufacturing Co., we notice, announce the introduction of a number of new articles in their line of goods. The wide popularity to which Vaseline preparations have attained is not only an evidence of their intrinsic merit, but, we think, is a mark of recognition on the part of the public of that uniform purity and good quality which the Chesebrough Manufacturing Co. have always maintained in their goods. Their announcement of new goods cannot fail to interest every druggist.

HAVE you ever tried to solve the following questions: *First.* Would it pay me to carry on a continual war with the flies in my store? *Second.* Would my customers appreciate it? *Third.* What method for catching the flies would be least objectionable to my customers and myself.

If you have paid no attention to this subject before, let us say that we believe it will pay you to use a cheap, clean and effective means of ridding your store of flies. Let your customers answer the second question. Tanglefoot is our answer to the third. Why? Because it is always clean and fresh and sticky only where it should be. It is as convenient to handle as a newspaper. Use it in the 5 cent Tanglefoot Holder and you may

Take a Kodak with you.



"You press the button,
we do the rest."

(OR YOU CAN DO IT YOURSELF.)

Eight Styles and Sizes

ALL LOADED WITH

Transparent Films.

For sale by all Photo. Stock Dealers. Send for Catalogue.

THE EASTMAN COMPANY, Rochester, N. Y.

keep it on your show cases, on your writing desk, or anywhere, right in sight, and it will hardly be noticed. You can open Tanglefoot without sticking up your fingers, and the Holder acts as a safeguard against accidental contact with the catching material while the paper is in use. The Holder also prevents the overturning of the paper by gusts of wind. Each single sheet, 9 x 16, costs the dealer but one cent.

Start in now by trying a cent's worth at your writing desk for your personal comfort. For particulars see Tanglefoot advertisement on page 3.

O. & W. THUM.

Putty Powder.

Putty powder is an unaccountable name for a polishing material much used for various polishing purposes. It is a vitrified-binoxide of tin, and has no connection of any sort with putty. For making it pure metallic tin is dissolved in nitromuriatic acid and precipitated from the filtered solution by liquid ammonia, both fluids being largely diluted with water. By this process a hydrated metastannic acid is obtained, and collected in a cloth filter, then pressed as dry as possible in a piece of new liner. It is then subjected to pressure in a screw-press, till thoroughly anhydrous. The mass is next broken up and heated in a closely luted crucible to a white heat, and afterwards pulverized in the usual way. This powder is very hard, and is much used by opticians for polishing object glasses, lenses for astro-telescopes and other optical instruments. The putty powder of commerce, of fair good quality, is alloyed with about equal parts of tin and lead, and used for ordinary purposes, but not for lenses, the value of which greatly depends upon the first rate quality of the polishing material used. Putty powder, like crocus, is also used for making cement.

THE CHINESE CEMENT SCHIO-LIAO.—The Chinese manufacture under the name of Schio-liao an excellent cement capable of joining broken porcelain, glass goods, stoneware, marble, etc. The proportions and ingredients are as follows: Lime reduced to a fine powder 54 parts, alum 6 parts, fresh blood 40 parts. The materials are vigorously worked up together into a

mass of homogeneous consistency. When diluted it may be used for saturating cardboard and objects made of paper, the result being that they become as hard as wood. The Chinese also use this cement in a dilute form as a protective varnish for the wall of their houses, and also for varnishing the interior surface of those vessels in which they carry oil and other fatty matters.—*Pottery and Glassware Rep.*

Pharmaceutical Flips.

The difference between homœopathy and allopathy—anti-pathy.

Always discount what a man says when mad. About temper sent will do.

Union is not always strength, as the old lady said to the man of the pill-mortar when she saw him mix water with acid. acetic. fort. to make white wine-vinegar.

There is said to be a spring in Michigan, so the American papers say, so strongly magnetic that a man who drank from it and went into a blacksmith shop found the anvil on which he sat stuck fast to him.

The following advertisement lately appeared in an Irish daily: "Wanted, a gentleman to undertake the sale of a patent medicine. The advertiser guarantees it will be profitable to the undertaker.—*Toledo Medical and Surgical Reporter.*

Unhappy Customer.—Customer—"Not long ago I came in here and bought a porous plaster to help me get rid of lumbago."

Clerk—"Yes, sir. What can I do for you now?"

Customer—"I want something to help me get rid of the porous plaster."

Society as He found it.—Mrs. Intrade: Where is your father?

Adult Son—He is at the store editing his edition of "Society as I have found it."

Mrs. Intrade—What? A book?

Son—Yes, a ledger, full of unpaid and uncollectable bills.—*New York Weekly.*

The Ruling Passion.—Hockstein—"I vos tired of life. Gif me some poison, and so I will kill meinself."

Drug Clerk (jocularly)—"All right. What do you want—arsenic or strychnine?"

Hockstein—"Vich vos der sheapest?"—*New York Herald.*

DRUGGISTS, Sell † Davis' † Fly † Felts

THE MOST POPULAR,

The Best Selling **FLY EXTERMINATOR** in the Dominion.

3 FELTS IN PACKAGE—SELLS FOR 5c. PER PACKAGE.

3 Box Lots, \$7.00. - Profit over 100 per cent.

MANUFACTURED BY

POWELL & DAVIS CO., Chatham, Ont.

SOLD BY THE FOLLOWING WELL KNOWN WHOLESALE FIRMS :

MONTREAL—Lyman, Sons & Co., Brayley, Sons & Co.

HALIFAX—Brown & Webb.

KINGSTON—Henry Skinner & Co.

TORONTO—Northrop & Lyman Co., T. Milburn & Co., Elliot & Co.,
Lyman Bros. & Co., Evans & Sons, Hemming Bros. & Co.

HAMILTON—J. Winer & Co.

LONDON—London Drug Co., J. A. Kennedy & Co., McCallum & Co.

WINNIPEG—Marth, Rosser & Co.

VICTORIA, B. C.—Langley & Co.

DO YOU USE BOTTLES ?

WE manufacture GREEN GLASS BOTTLES of all kinds, and have moulds for Plain Bottles, similar shapes to the leading patent medicines sold in the Canadian market. Why not put up your own Sarsaparilla, Liniments, Soothing Syrups, Bateman Drops, Ginger, &c. ?

We make LETTERED PRESCRIPTION BOTTLES at a Low Price, and make no charge for lettering.

We make HOMEOPATHIC VIALS, selected glass, carefully made and annealed.

OUR PRICES ARE LOWER

Than charged by other manufacturers supplying your market. We have low rate freight to Canadian points. Write to us.

DEAN, FOSTER & CO.,

Glass Manufacturers, - - 120 Lake St. Chicago, Ill.

Drug Review.

Business during the past month has been quiet, caused largely by the farming community being busily engaged in seeding. There have been no startling changes in values, except in oil lemon which has advanced about 25 per cent.

Pot. Bromide and Iodide are unchanged.

Quinine, German, from 1 to 2c. per oz. higher.

Quinine, Howards', a little easier.

Insect Powder and Paris Green, demand good.

German Ether will likely be higher.

Hoff's Malt will be higher owing to a 50 per cent. duty being imposed on it by the Customs.

Opium is a little easier.

Morphia, no change to note.

Glycerine, good demand: price is well maintained.

Orris Root, much higher.

Acid Sulpho-Anilic, demand increasing.

Tartaric Acid, firm.

Citric Acid, firm.

Chloral Hydrate, the drop in price of this article was caused by the breaking up of a "ring" that controlled its output. Since coming into open competition it is said to be sold at less than cost of production. Price will probably stiffen, but not reach former figures.

Norwegian Cod-Liver Oil.

Reports from *Foh. Rye Holmboe*, Tromsøe, Norway, say: "At Vesteraalen and Senjen the season may be considered closed, and also from Nord and Søndmore only a small quantity may be expected. All depends on the remaining five weeks at Lofoten (out of which the Lent holidays will take away nearly one week) and the Finnmarken campaign. The largest quantity ever produced at Lofoten after March 7 has been 11,000 hlt. (in 1890), whilst the largest production at Finnmarken amounted to 7100 hlt. (in 1885). Now, supposing both these fisheries to yield the maximum quantity, there will be a total production of Norwegian cod-liver oil of, say, 20,000 to 22,000 hlt. this year (or about 5000 below the average)."

The cod-liver oil manufactured from the liver of the cod in the Lofoten Islands, Norway, is considered the purest flavored and most effective.

The Lofoten cod-fisheries generally close about March; from 5000 to 6000 boats are employed, and in some years as many as seven million fish have been caught. The yield of steam-refined oil in 1888 was a little over 121,000 gallons, but this year owing to the very small catch (of less than a million fish), the production fell to under 10,000 gallons, with about 41,000 gallon of liver available for other purposes.

The annual exports of this oil from Iceland, which is not always innocent of ad-

mixture with equally efficacious shark oil, are about 10,000 barrels.

NOTE.—One hlt. (hectolitre) is equal to twenty-two imperial gallons.—*Paint, Oil, and Drug Reporter.*

ACIDUM CARBOLICUM.—In order to prevent the separation of the acid from a five per cent. solution at low temperature, Houssaye adds from 5 to 10 per cent. of glycerin. Such solution may freeze solidly, but no carbolic acid separates.

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Make Money?**

The Celebrated French Cure,
Warranted "APHRODITINE" or money
to cure

IS SOLD ON A
POSITIVE
GUARANTEE
to cure any form
of nervous disease
or any disorder of
the generative or-
gans of either sex,
whether arising
from the excessive
use of Stimulants,
Tobacco or Opium, or through
indulgence, over-indulgence,
etc., such as Loss of Brain
Power, Wakefulness, Bearing
down Pains in the
back, Seminal Weakness,
Hysteria, Nervous Prostra-
tion, Nocturnal Emissions,
Leucorrhœa, Dizziness,
Weak Memory, Loss of Power
and Impotence, which if
neglected often lead to
premature old age and
insanity. Price \$1.00 a
box, 6 boxes for \$5.00. Sent
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A WRITTEN GUARANTEE is given for every \$5.00 order received, to refund the money if a Permanent cure is not effected. We have thousands of testimonials from old and young, of both sexes, who have been permanently cured by the use of Aphroditine. Circular free. Address

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CANADIAN BRANCH,
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- Her Majesty Rose
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- Mary Anderson.
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- White Rose.
- Knights Templar
- Golden Rod.
- Highland Bells.
- Marie Stuart.

No. 1507 2-oz.
(1 in Box.)

PRICE LIST:

Half Pound Bottles,	-	\$2.00 each.
Dime Size,	-	.85 per doz.
5 oz., No. 993,	-	2.00 "
1 oz., No. A,	-	4.00 "
1½ oz., No. B,	-	6.00 "
2 oz., No. 1607 (see cut)	-	8.00 "

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DETROIT, MICH. WINDSOR, ONT.

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We ask the Druggists of Canada to favor us with the same liberal patronage we have enjoyed for many years, and to discourage the introduction of any article clearly intended to be sold upon the reputation we have established for FLY PADS.

SOLD BY ALL WHOLESALE DRUGGISTS AND PATENT MEDICINE HOUSES.

ARCHDALE WILSON & CO.,

Wholesale Druggists, Hamilton.

Canadian Druggist Prices Current:

CORRECTED TO JUNE 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.

ALCOHOL, gal.....	\$3 68	\$3 85	CASOR, Fibre, lb.....	7 50	8 00	Bleached, lb.....	45	50
Methyl, gal.....	1 90	2 00	CHALK, French, powdered, lb..	10	12	Spruce, true, lb.....	30	35
ALSPICE, lb.....	13	15	Precip., see Calcium, lb.....	10	12	Tragacanth, Bala., 1st, lb.....	1 00	1 10
Powdered, lb.....	15	17	Prepared, lb.....	5	6	Powdered, lb.....	1 10	1 15
ALOIS, oz.....	40	45	CHARCOAL, Animal, powd., lb...	4	5	Sorts, lb.....	25	75
ANODYNE, Hoffman's bot., lbs...	50	55	Willow, powdered, lb.....	20	25	Thus, lb.....	8	10
ANNOWROOF, Bermuda, lb.....	45	50	Clove, lb.....	25	30	Hera, Althea, lb.....	27	30
St. Vincent, lb.....	15	18	Powdered, lb.....	30	35	Bitterwort, lb.....	27	30
BALSAM, Fir, lb.....	45	50	COCHINEAL, Honduras, lb.....	40	45	Burdock, lb.....	16	18
Copaiba, lb.....	75	1 00	COLLOIDION, lb.....	75	80	Boneset, oz., lb.....	15	17
Peru, lb.....	2 50	2 75	Cantharidal, lb.....	2 50	2 75	Catnip, oz., lb.....	17	20
Tolu, can or less, lb.....	75	80	CONFECTIO, Senna, lb.....	25	30	Chiretta, lb.....	25	30
BARK, Barberry, lb.....	22	25	Creosote, Wood, lb.....	2 00	2 50	Coltsfoot, lb.....	20	38
Bayberry, lb.....	15	18	CATTLEFISH BONE, lb.....	35	40	Feverfew, oz., lb.....	53	55
Buckthorn, lb.....	15	17	DEXTRINE, lb.....	10	12	Grindelia tobiata, lb.....	45	50
Canella, lb.....	15	17	DOVE'S POWDER, lb.....	1 50	1 60	Hearhmond, ozs., lb.....	17	20
Cascara Sagrada.....	30	35	Eggor, Spanish, lb.....	75	80	Jaborandi, lb.....	45	50
Cascarilla, select, lb.....	18	20	Powdered, lb.....	90	1 00	Lemon Balm, lb.....	38	40
Cassia, in mats, lb.....	18	20	ESCORTIN, Keith's, oz.....	2 00	2 10	Liverwort, German, lb.....	38	40
Cinchona, red, lb.....	60	65	EXTRACT, Logwood, bulk, lb....	13	14	Lobelia, ozs., lb.....	15	20
Powdered, lb.....	65	70	Pounds, lb.....	14	17	Motherwort, ozs., lb.....	20	22
Yellow, lb.....	35	40	FLOWERS, Arnica, lb.....	15	20	Mullein, German, lb.....	17	20
Pale, lb.....	40	45	Calendula, lb.....	55	60	Pennyroyal, ozs., lb.....	17	20
Elm, selected, lb.....	16	18	Chamonilla, Roman, lb.....	30	35	Peppermint, ozs., lb.....	21	25
Ground, lb.....	17	20	German, lb.....	30	35	Rue, ozs., lb.....	30	35
Powdered, lb.....	20	28	Elder, lb.....	25	22	Sage, Ozs., lb.....	15	18
Hemlock, crushed, lb.....	18	20	Lavender, lb.....	12	15	Spearmint, lb.....	21	25
Oak, white, crushed, lb.....	15	17	Rose, red, French, lb.....	1 60	2 00	Thymus, ozs., lb.....	18	20
Orange peel, bitter, lb.....	15	16	Rosemary, lb.....	25	30	Tansy, ozs., lb.....	15	18
Prickly ash, lb.....	35	40	Saffron, American, lb.....	35	40	Wormwood, oz.....	20	22
Sassafras, lb.....	15	16	Spanish, Val'a, oz.....	1 00	1 25	Yerba Santa, lb.....	38	44
Soap (quillaya), lb.....	13	15	GELATINE, Cooper's lb.....	1 20	1 25	HONEY, lb.....	13	15
Wild cherry, lb.....	13	15	French, white, lb.....	40	50	Hors, fresh, lb.....	30	35
BEANS, Calabar, lb.....	45	50	GLYCERINE, lb.....	18	20	Indigo, Madras, lb.....	75	80
Tonka, lb.....	1 50	2 75	GUARANA.....	3 00	3 25	INSECT POWDER, lb.....	20	32
Vanilla, lb.....	6 00	9 00	Powdered, lb.....	3 25	3 50	ISINGLASS, Brazil, lb.....	2 00	2 10
BERRIES, Cubeb, sifted, lb.....	2 50	2 60	GUM ALOES, Cape, lb.....	18	20	Russian, true, lb.....	6 00	6 50
powdered, lb.....	2 60	2 70	Barkades, lb.....	30	50	LEAF, Aconite, lb.....	25	30
Juniper, lb.....	10	12	Socetrine, lb.....	65	70	Bay, lb.....	18	20
Ground, lb.....	12	14	Assafetida, lb.....	23	25	Belladonna, lb.....	25	30
Prickly ash, lb.....	40	45	Aralic, 1st, lb.....	1 00	1 10	Buchu, long, lb.....	40	45
BUDS, Balm of Gilead, lb.....	55	60	Powdered, lb.....	1 10	1 20	Short, lb.....	15	18
Cassia, lb.....	25	30	Sifted sorts, lb.....	75	80	Coca, lb.....	55	60
BUTTER, Cacao, lb.....	75	80	Sorts, lb.....	60	75	Digitalis, lb.....	25	30
CAMPHOR, lb.....	70	85	Benzoin, lb.....	50	1 00	Eucalyptus, lb.....	18	20
CANTHARIDES, Russian, lb.....	2 60	2 10	Catechu, Black, lb.....	9	20	Hyoseyanus.....	25	30
Powdered, lb.....	2 10	2 20	Gamboge, powdered, lb.....	1 50	1 35	Matico, lb.....	70	75
CAPSICUM, lb.....	25	30	Guaiaac, lb.....	80	1 00	Senna, Alexandria, lb.....	25	30
Powdered, lb.....	30	35	Powdered, lb.....	90	1 20	Tinnevely, lb.....	15	25
CARBON, Bisulphide, lb.....	18	18	Kino, true, lb.....	45	45	Stramonium, lb.....	20	25
CARMINE, No. 40, oz.....	40	50	Myrrh, lb.....	45	48	Uva Ursi, lb.....	15	18
			Powdered, lb.....	55	60	LEUCIS, Swedish, doz.....	1 00	1 10
			Opium, lb.....	3 90	4 60	Licouier, Solazzi.....	45	50
			Powdered, lb.....	5 50	6 00	Pignatelli.....	35	40
			Scammony, pure Resin, lb....	12 80	13 00	Grasso.....	30	35
			Shellac, lb.....	35	40	Y & S—Sticks, 6 to 1 lb., per lb	37	30

Table listing various drugs and chemicals with their respective prices. The table is organized into columns and includes a section for 'CHEMICALS'. Items include Y & S—Purity, LUPULUS, MACE, MANNA, MUSH, NUTGALLS, OAKUM, PEPPER, PITCH, PLASTER, POPPY HEADS, ROSIN, ROOT, SASSAPARILLA, and many others. Prices are listed in dollars and cents.

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, oz.....	4	25	4	50	
Cyanide, fused, lb.....	40	55	Chloride, granular, oz.....	13	15			Orange, lb.....	3	75	5	00	
Hypophosphites, oz.....	10	12	Iodide, oz.....	60	65			Sweet, lb.....	3	25	3	50	
Iodide, lb.....	3	75	Oxide, lb.....	13	60			Origanum, lb.....	65	70			
Nitrate, gran., lb.....	8	10	Sulphate, lb.....	9	11			Patchouli, oz.....	1	75	1	80	
Permanganate, lb.....	50	55	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.....	25	28	Anise, lb.....	2	75	3	00	Rue, oz.....	25	30			
Ozs., oz.....	30	38	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, lb.....	2	75	Cade, lb.....	90	1	00		Savin, lb.....	1	60	1	75	
SANTONIN, oz.....	20	22	Cajuput, lb.....	1	80	1	90	Spear-mint, lb.....	6	00	6	25	
SILVER, Nitrate, cryst., oz.....	95	1	Capsicum, oz.....	60	65			Spruce, lb.....	45	70			
Fused, oz.....	1	00	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	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.....	18	00	20	00	Cod Liver, N. F., gal.....	1	00	1	25	
Salicylate, oz.....	15	17	Gummi, 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		
SPIRIT 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	Rose, lb.....	3	20	3	50	NETSFOOT, gal.....	1	25	1	30	
SULFONAL, oz.....	50	55	Juniper berries (English), lb.....	4	50	5	00	OLIVE, gal.....	1	35	1	40	
SULPHUR, Flowers of, lb.....	2	4	Wood, lb.....	70	75			Salad, gal.....	2	25	2	40	
Pure precipitated, lb.....	13	20	Lavender, Chris. Fleur, lb.....	3	00	3	50	PALM, lb.....	12	13			
TARTAR EMETIC, lb.....	50	55	Garden, lb.....	1	50	1	75	SEED, gal.....	1	60	1	75	
THYMOI., (Thymic acid), oz.....	60	65	Lemon, lb.....	3	00	3	25	TERPESTINE, gal.....	70	75			

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For the Immediate and Convenient Preparation of Syrups for the Soda Water Fountain.

Soluble Ex. Jamaica Ginger, Aromatic.

Per bottle 16 fluid ozs., \$1.15 Per demijohn 128 fluid ozs., \$7.00

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Extract Sarsaparilla.

Per bottle 16 fluid ozs., \$1.40 Per demijohn 128 fluid ozs., \$9.00

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Liquor Acidi Phosphorici Compound.

(WITH ROS)

\$3.00 per demijohn of 128 fluid ounces.

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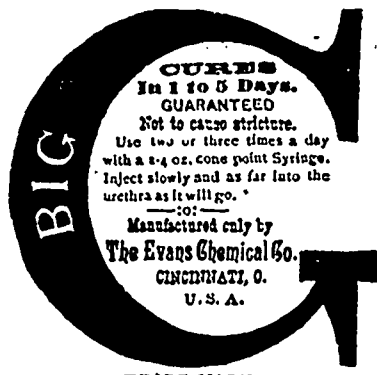
\$4.00 per demijohn of 128 fluid ounces.

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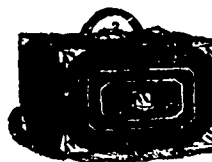
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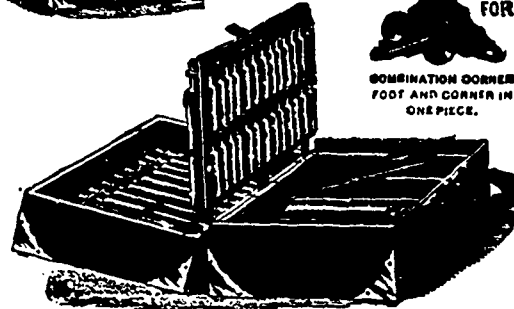
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Springs used instead of loops, with stops or supports at head of the corks.

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