

Scientific and Useful.

Salt is used to benefit clover, to stiffen the straw in wheat and oats, and as a fertilizer for asparagus. It may be used on clover and wheat or oats at the rate of three to six bushels per acre, and for asparagus a peck of the sulphate will be used with benefit.—American Agriculturist.

For a cough, hop sirup is said to be very efficacious. To one ounce of hops and one pint of water add one table-spoonful of flaxseed. Put all in a saucepan, and boil it till reduced one-half. Strain it off, add half a pint of molasses or a quarter of a pound of brown sugar, and boil until it becomes a thick sirup. When cold take a teaspoonful at a time.

INGROWING TOE NAIL.

To Cure.—Put a small piece of tallow in a spoon, heat it until it becomes very hot and pour on the granulations. The effect is magical. Pain and tenderness relieved at once, and in a few days granulations all gone, the diseased parts dry and destitute of all feeling, the edge of the nail exposed so as to admit of being pared away without any inconvenience.

SUFFERING FROM DYSPEPSIA.

During the session of the State Medical Society one of the members said that upon taking his seat at the table his attention was attracted to two gentlemen seated opposite to him, one of whom made some inquiry in regard to the health of the other. The reply returned was: "I am not feeling very well, I am suffering from dyspepsia." At this juncture a waiter appeared upon the scene and placed before the dyspeptic gentleman his breakfast, which consisted of three boiled eggs, two baked potatoes, a plate of beef-steak, a cup of coffee and four buckwheat cakes. The doctor was just then in the act of winding his watch, and concluded to time the victim of dyspepsia, who startled him by bolting all of the edibles set forth in the remarkable short space of two minutes, ten seconds. "Now," quoth the doctor, by way of concluding his story, "was his a case of dyspepsia or of barbarism?"

RAT POISON.

The following method of preparing poison for rats is said to be more effectual than moistening grain with a solution of strychnine; Make a clear solution of arsenite of potash, by boiling in a large iron kettle one part of white arsenic, one of carbonate of potash, and twenty-five of water, stirring the whole well together; add 25 parts of water, and introduce, while warm, 60 parts of barley, wheat or oats, stirring frequently during 24 to 35 hours; then heat the grain and stir it with a paddle until it appears dry externally. For use in the house it may be advisable to color the grain by adding 1,600 parts of liquid fishin. Clean the kettle after use by scouring with lime. In most cities, however, the arsenite of potash can be obtained ready made and thus the trouble and danger of preparation is saved.

FORCE OF GRAVITY.

It is not usually considered how animal and vegetable life in our planet is adapted in exact relation to force of gravity. Had the earth been a little larger or smaller, things would have been somewhat different. As regards the vegetable world, this is interestingly put by Whewell: "As an instance of the adaptation between the force of gravity and forces which exist in the vegetable world, we may take the positions of flowers. Some flowers grow with the hollow of their cups upwards; other "hang the pensive head," and turn the opening downwards. The positions, in those cases, depend upon the length and flexibility of the stalk which supports the flower, or, in case of the euphorbia, the germen. It is clear that a very slight alteration in the force of gravity, or in the stiffness of the stalk, would entirely alter the position of the flower-cups and thus make the continuation of the species impossible. We have, therefore, here, a little mechanical contrivance, which would have been frustrated if the proper intensity of gravity had not been assumed in the reckoning. An earth, greater or smaller, denser or rarer, than the one on which we live, would require a change in the structure and strength of the foot-stalks of all the little flowers that hang their heads under our hedges. There is something curious in thus considering the whole mass of the earth from pole to pole, and from circumference to centre, as employed in keeping a snowdrop in the position most suited to the promotion of its vegetable health."

A GARDENERS BAROMETER.

The common camphor bottle makes a very cloudy index of atmospheric weight and weather changes, on which the following is an improvement: Dissolve two and one-half drachms of camphor in eleven fluid drachms of alcohol. Put thirty-eight grains of nitrate of potash (saltpetre) and thirty-eight grains of nitrate of ammonia (sal ammoniac) into nine fluid drachms of water; when all are perfectly dissolved, mix the two solutions. Shake them well in a two-ounce or four-ounce white glass vial, cork very loosely, or, better, to over the mouth a piece of linen or cotton cloth, and place the instrument in a good light out of the sunshine, where it can be observed, without handling. When the weather is fine and clear, the fluid is also; but on the least change the chemicals, which lie as a sediment, rise in beautiful iron-like crystals proportionately, and again duly subside. By watching these changes one soon becomes able to predict the changes probable for a few hours to come in any locality. This instrument is also a pretty philosophical toy, showing how sensitive some chemical solutions are to atmospheric influences. We saw barometers of this kind for sale in London several years ago but do not recollect meeting with them in this country, except the home-made ones prepared according to the above directions, which have been several times published, but may be new to some of our readers.—Journal of Chemistry.

Furnishings.

MINISTERS AND ELDERS

Attending the Synod of Toronto are respectfully invited to call at the

MACLEAN

Hat and Furnishing

HOUSE,

51 KING STREET WEST, TORONTO.

A liberal discount to Ministers and Students.

Stock Complete in Every Department,

M. A. MACLEAN.

Miscellaneous.

R. A. REEVE, B.A., M.D., OCUList & AURIST, 22 Shuter Street, corner of Victoria, TORONTO.

BLAIKIE & ALEXANDER,

10 KING ST. EAST, TORONTO.

WILLIAM ALEXANDER, JOHN STARR, LAWRENCE BUCHAN

Members of the Stock Exchange,

STOCK BROKERS & FINANCIAL AGENTS

Stocks, Bonds, Debentures, &c., bought and sold.

Loaned on good Farm security at eight per cent.

Existing mortgages bought, on very favourable terms.

Agents for Canada Guarantee Co., and Scottish Amicable Life Insurance Co.

D. S. KEITH & CO.,

PLUMBERS, GAS & STEAM FITTERS BRASS

FOUNDERS AND FINISHERS.

Manufacturers of

PETROLEUM GAS WORKS,

Engineers and Plumbers' Brass Work, &c., Conservatory and Green House Heating.

Importers and Wholesale Dealers in Iron and Lead Pipes and Plumbers' Materials.

109 KING STREET WEST, TORONTO

GRAND DESIDERATUM.

A NEW, LIGHT, DURABLE, AND DESIRABLE

SPECTACLES,

Long practice in the sale of Spectacles has convinced me that the want of a new article, viz: A light and durable frame especially for Ladies' wear, long been felt. The undersigned has the pleasure to offer at a reasonable price this combination of Spectacles set with Lenses, manufactured from the best Crystal Tebbles melted together, producing a clear and distinct vision.

The extensive assortment enables me to suit all eyes and are fitted on the most scientific principle. A call is most respectfully solicited and satisfaction guaranteed by

W. WHARREN, Jeweller and Optician King Street West Toronto.

SPRING FASHIONS, 1874.

NEW YORK PATTERN HOUSES,

110 and 241 Yonge Street, Toronto.

MILLINERY, DRESS MAKING,

And Ladies' Outfitting Establishment.

Mantles, Staple and Fancy Dry Goods, Berlin Wool, &c

UNDER-CLOTHING MADE TO ORDER

J. SUTHERLAND,

Agent for Mme. Demorest's Reliable Patterns.

The assortment comprises all the standard and useful Styles, together with New and Elegant Designs in Spring Goods.

SCOTCH LAMB'S WOOL UNDERCLOTHING!

CRAWFORD & SMITH

Reg to intimate that they have received, ex steamship Polynesian, direct from the manufacturers,

ONE CASE VERY FINE

LAMB'S WOOL SHIRTS & DRAWERS,

Also special lot very heavy

Scotch Winter Merino Shirts, Drawers and Socks,

Manufactured especially for this market. The attention of gentlemen is directed to this lot, as they are not to be found elsewhere.

91 KING STREET EAST.

Groceries.

JAMES SHIELDS & CO.,

IMPORTERS OF

GROCERIES,

And Manufacturers of

BISCUITS AND CONFECTIONERY.

Corner of Yonge and Temperance Sts.,

TORONTO.

Music.

MASON & CABINET

For Churches and

THE ONLY American Musical Instrument of such extraordinary and recognized excellence as to command a wide sale in Europe, notwithstanding competition there with products of other lands.

ALWAYS awarded highest premiums, including the GRAND AT THE PARIS EXPOSITION, besides having been preferred above all the other Organs at the Industrial Exhibitions in America.

UNIVERSALLY recommended by eminent Musicians, as possessing excellencies not attained in any others. See opinions of ONE THOUSAND MUSICIANS in Testimonial Circular.

ILLUSTRATED CATALOGUE and TESTIMONIAL ORGANS, which may save purchasers from distressing instruments or payments of high prices,

MASON, RISCH, & NEWCOMBE

GENERAL AGENTS FOR CANADA.

PIANOS.

THE MATHUSHEK

Is endorsed by the most noted artists of the day as the BEST PIANO MADE.

THE FISHER,

Is thoroughly made, and a most delightful Parlour Instrument.

THE BEAUTY

Seven octave, overstrung, rosewood, all round corners, three mouldings, back finished like front, curved legs, at \$225. Endorsed by Judge Benedict, Pianist to the Queen, Thalberg, &c., and awarded gold medal at the Renwick Institute

PRINCE ORGANS,

The best in the market. All Instruments WHOLESALE AND RETAIL, and warranted five years. We are in a position to supply local dealers in every part of the Dominion at manufacturers' lowest wholesale prices.

NORRIS & SOPER

ADELAIDE-ST., TORONTO.

YORKSHIRE CATTLE FEEDER

For fattening and bringing into condition Horses, Cows, Calves, Sheep and Pigs—used and recommended by first-class breeders. Milk Cattle produce more milk and butter

It fattens in one fourth the usual time, and saves food. A DOLLAR BOX CONTAINS TWO HUNDRED FEEDS.

HUGH MILLER & CO.,

Agricultural Chemists, 167 King St. East, Toronto. For sale by Druggists everywhere.

TICKS ON SHEEP.

Miller's Tick Destroyer promotes the growth of the wool, destroys the Ticks, and improves the condition of the animal. A 3c. box will clean 20 sheep or 30 lambs. Sold by Druggists and Storekeepers.

HUGH MILLER & CO., Proprietors, Toronto.

CANADA STAINED GLASS WORKS, ESTABLISHED 1858

FIRST PRIZE AT PROVINCIAL EXHIBITION, 1871-72. Ecclesiastical and Domestic Stained Glass Windows executed in the best style.

BANNERS AND FLAGS PAINTED TO ORDER JOSEPH McCAUSLAND, PROPRIETOR,

BLMYER MANUFACTURING CO'S BELLS.

Fine-toned low priced, warranted; of various sizes

BLMYER MANUFACTURING COMPANY, Successors to Blymyer, Norton & Co., Cincinnati, O. Office and Works 684-694 West Eighth St.

Dyer.

ESTABLISHED 1834.

A. MACDONALD,

Renovator and Dyer,

Of Gentleman's Wearing Apparel,

No. 21 Albert Street, Cor. of James, TORONTO.

HARDWARE.

RODGERS' Ivory handled Table and Dessert Knives

RODGERS' Saws, Carvers and Stools.

ELECTRO-PLATE

Table, Dessert, and Tea Spoons.

Table Mats, Tea Bells, &c., &c., &c.

RICE LEWIS & SON,

HARDWARE MERCHANTS, TORONTO.

Music.

HAMLIN, ORGANS.

for the Family Circle,

EXCLUSIVELY employing several important inventions, and embracing every real improvement.

THE MOST EXTENSIVE and complete factories in the world, producing better work at less cost than otherwise possible.

PRICES as low as consistent, with scrupulous employment of only best material and workmanship. Ministers and Churches liberally dealt with

CIRCULAR, with important information about appointment in purchase of inferior or worthless free.

& NEWCOMBE

81 KING STREET EAST, TORONTO.

Books.

BEAUTIFULLY ILLUSTRATED MONTHLY MAGAZINES FOR THE YOUNG

THE ADVISER—Religious and temperance THE BAND OF HOPE REVIEW—Religious and temperance. THE CHILD'S OWN MAGAZINE—Religious.

Each of the above costs 25 cents per annum for single copy; ten copies and under 100, 15 cents per copy; 100 copies and over, 14c per copy, including postage.

THE S. S. MESSENGER. 12c cents per copy to schools, when not less than 10 copies are taken. Send for Specimens.

F. E. GRAFTON,

DOMINION SUNDAY SCHOOL DEPOT, Montreal.

The "British Workman," "Cottage," "Child's Companion," "Children's Friend," "Infant's Magazine," and a variety of others at 45c. single o

Undertaking.

H. STONE,

UNDERTAKER,

347 Yonge Street, Toronto.

Funerals furnished to order. Fine's Metallic Burial Cases always on hand. REPAIRATIONS COFFINS supplied when required.

J. YOUNG,

late from G. Armstrong's undertaking Establishment Montreal.

UNDERTAKER,

351 YONGE ST. TORONTO.

Funerals furnished with every requisite Agent for Fisk's Patent Metallic Burial Cases

Medical and Dental.

R. G. TROTTER, DENTIST,

53 King Street East, Opposite Toronto Street

Toronto, Ont.

J. W. ELLIOT, DENTIST,

Uses his own new PATENT MILLERS' EXTRACTORS, and MOULDING FLASKS.

43 and 45 King-st. West, over E. Hooper & Co. Druggists.

JAS. BASTEDO, SURGEON DEN-

TIST, 34 King Street West, Hamilton, Ont

RESIDENCE—78 Bay Street North where appointments can be made.

\$5 TO \$20 Per day. Agents wanted! All classes of working people, of either sex, young or old, make more money at work for us in their spare moments, or all the time, than at anything else. Particulars free. Address STINSON & CO., Portland, Maine.

Typographical.

BOOK

AND

JOB PRINTING,

BOOK - BINDING

OF

ALL KINDS.

DONE AT THE

British American Presbyterian

OFFICE,

102 BAY STREET

TORONTO.

Remember the above announcement and favour us with your patronage.

ACCURACY,

NEATNESS,

PROMPTNESS,

assured to all.

Proofs carefully read, work done quickly, and your package sent by the first train.

CARDS,

CIRCULARS,

TICKETS,

BIL

SERMONS

CATALOGUES,

MINUTES OF PRESBYTERIES.

SYNODS,

AND ASSEMBLIES,

BLANKS,

LETTER HEADS,

BILL HEADS

ILLUSTRATED, EMBELLISHED

OR PLAIN.

Particular attention paid to

BOOK WORK,

ALSO TO

PRINTING IN COLOURS.

Every description of BOOK-BINDING executed promptly, and at the usual rates.

We ask our friends, far and near, to give us their patronage.

Our facilities enable us to do the work on TERMS AS FAVORABLE as any party can give you.

Work sent to any place, however distant.

Write the matter to be printed only on one side of the paper, and in plain letters and figures.

Give your directions in plain language, stating whether or not you wish the proof sent to you for correction.

Send orders to

O. BLACKETT ROBINSON,

102 Bay Street,

Toronto, Ont.