

Scientific and Useful.

WHITE COAL.

A new kind of coal has recently been discovered on the Australian continent, which has received the name of white coal.

DRY AND WARM FEET.

Keep your feet always dry and warm, first, by keeping them clean. In slushy, muddy weather, it is better to wear rubber shoes, if not longer than two or three hours;

CAN'T STAND IT.

Physicians are well agreed that the use of tobacco by growing boys is full of danger. Recent investigations, especially in France, have demonstrated that a whole train of nervous diseases are to be traced to this practice.

A NEW ALKALOID FROM MORPHIA.

A new substance has been prepared, by G. Nadler, by the action of an ammoniacal solution of cupric oxide on morphia. Its color is of a brilliant white color, and is easily soluble in hot water, in which the ammonia throws down an amorphous precipitate, that remains unchanged in the air in the moist state.

CLEANSING CLOTHES.

Dissolve two pounds of soap in three gallons of water as hot as the hand can bear. To this add one tablespoonful of turpentine and three of aqua ammonia, the mixture to be well stirred. Soak the linen clothes in this two or three hours, taking care to keep the boiler tightly closed.

QUANTITY OF SALT IN THE OCEAN.

Everybody knows that the waters of the ocean are very salt to the taste; but how many of you have thought of the immense quantities of salts of different kinds that must be in the Atlantic and the Pacific to give a flavor to such enormous bodies of water?

PORK AND BEANS.

A writer in the New York Word says this is the way down-east lumbermen cook them, who eat them twice a day for four or five months each year. Take one quart of beans; if pea beans, until they are swelled full; if will take over night certain; if yellow eyes, parboil until the skins crack open when blown on with the breath; drain off the water, put about two thirds of the beans in the pot; put in about one and one half pounds of salt fat pork, then the rest of the beans; bake not less than twelve hours.

THE SULPHURIC-ACID CURE FOR DIPHTHERIA.

A South Australian paper publishes details of the Greathead cure for diphtheria. The disease is declared by Mr. Greathead to be of hyaline growth, and that the germs of it floating about in certain impure atmospheres were inhaled by human beings. For a grown person he prescribes four drops of strong sulphuric acid diluted in three-quarters of a tumbler of water, with a smaller dose for children. The effect of this treatment was said to be instantaneous—the acid at once destroyed the parasites, and the patients coughing up the obstruction. For weeks since the promulgation of this specific, the papers have teemed with accounts of sufferers who had been recovered in a few minutes by adopting the Greathead treatment.

New Advertisements.

ESTABLISHED 1841. A. MACDONALD, Renovator and Dyer, Of Gentleman's Wearing Apparel, No. 24 Albert Street, Cor. of James, TORONTO.

Groceries.

JAMES SHIELDS & CO.,

IMPORTERS OF

GROCERIES.

And Manufacturers of

BISCUITS AND CONFECTIONERY.

Corner of Yonge and Temperance Sts.,

TORONTO.

Miscellaneous.

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

W. J. ARMSTRONG, PHOTOGRAPHER, 53 King Street East, OPPOSITE TORONTO STREET

CANADA STAINED GLASS WORKS, ESTABLISHED 1856. 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.

Garden and Flower SEEDS,

Sent by Mail to all parts of the Dominion.

Our Chromo "THE LITTLE FLORESTERS," a beautiful Parlor Picture, 17 x 22 inches, is sent free to all who favour us with orders to the amount of FIVE DOLLARS. Send for Catalogue, which we mail gratis to all who wish. Chase Brothers & Bowman, SEEDSMEN, Oshawa, Ont.

CANADIAN RAILROAD LAMP MANUFACTORY, 56 Queen Street West, Toronto.

J. BOXALL, MANUFACTURER AND DEALER IN RAILROAD CAR FURNISHINGS, LOCOMOTIVE HEAD LAMPS & BURNERS, Tall, Switch, Guage & Signal Lamps, Sporm & Coal Oil Hand Lamps

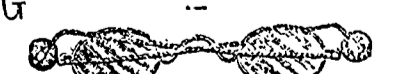
Coal and Wood Stoves of every Description,



Fine-toned low priced, warranted; circulars sent free.

BLYMNER MANUFACTURING COMPANY, Successors to Blymyer, Norton & Co., Cincinnati, O. Office and Works 664-694 West Eighth St.

GRAND DESIDERATUM.



A NEW, LIGHT, DURABLE, AND DESIRABLE SPECTACLES,

Long practice in the sale of Spectacles has convinced me that the want of a fine article, viz: A and durable frame, especially for Ladies' wear, long been felt. The undersigned has the pleasure to offer at a reasonable price this combination in a spectacle set with lenses, manufactured from Minute Crystal Pebbles melted together, producing a clear and distinct vision. The extensive assortment enables me to suit all tastes and all fits upon the most scientific principles. A call is most respectfully solicited and satisfaction guaranteed by W. WHARIN, Jeweller and Optician

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 cheap labor.

ALWAYS awarded highest premium including the MEDAL AT THE FAIR EXPOSITION, besides having been preferred above all the other Organs at the Industrial Exhibitions in America.

UNIVERSALLY recommended by eminent Musicians, as possessing excellent tone 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,

Hardware.

HARDWARE.

RODGERS' Ivory handled Table and Dessert Knives.

RODGERS' Sets, Carvers and Steels.

ELECTRO-PLATE Table, Dessert, and Tea Spoons. Table Mats, Tea Bells, &c., &c., &c.

RICE LEWIS & SON, HARDWARE MERCHANTS, TORONTO.

H. STONE, UNDERTAKER, 347 Yonge Street, Toronto.

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

J. YOUNG, Undertaker, 321 YONGE ST. TORONTO.

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

PIANOS.

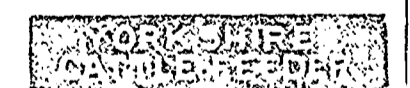
THE MATHUSHEK Is endorsed by the most noted artists of the day as 'the BEST PIANO MADE.'

THE FISHER, Is thoroughly made, and a most delightful Parlor Instrument.

THE BEAUTY Seven octave, overstrung, rosewood, all round corners, three mouldings, back finished like front, carved legs, at \$33. Endorsed by Jules Benedict, Pianist to the Queen, Thalberg, &c., and awarded gold medal at the Bencolar 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.



For fattening and bringing into condition Iron Cows, Calves, Sheep and Pigs—used and recognized by first-class breeders. It produces 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 Chemist, 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 anms. Sold by Druggists and Storekeepers. HUGH MILLER & CO., Proprietors, Toronto.

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 Hoisting. Importers and Wholesale Dealers in Iron and Lead Pipes and Plumbers' Materials. 100 KING STREET WEST TORONTO

Music.

HAMLIN ORGANS.

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

THE MOST EXTENSIVE and complete factory 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 Organs.

MASON, RISCH, & NEWCOMBE, 81 KING STREET EAST, TORONTO.

China and Glassware.

CHINA HALL

71 King St. East, Toronto.

A full assortment of Glass, China, and

Crockery now in stock China Breakfast and Tea Sets, Dinner and Dessert Sets, Chamber Sets and Bottles, Fancy Table Jugs, in Stone and Terra Cotta, Fancy Cheese Covers and Biscuit Jars, Bohemian Ornaments, Victoria Vases and Lustres, Parian Statuary and Busts, Cut English Table Glass, Plated Crocks and Trays, Irish Bollock China

GLOVER HARRISON.

Boots and Shoes.

R. MERRYFIELD

Boot and Shoe Maker,

190 YONGE STREET.

A large and well assorted Stock always on hand.

ALEX. GEMMELL,

BOOTMAKER,

Sign of the "Golden Boot,"

97 KING STREET, WEST,

Has in Stock a very large Assortment of Gentlem Sewed Boots, Home Made. First-class English Boots at reasonable prices.

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R. G. TROTTER, DENTIST,

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Toronto, Ont.

J. W. ELLIOT, DENTIST,

Uses his own new PATENT FILLERS, EXTRACTORS, and MOULDING-FLASKS. 43 and 45 King-st. West, over K. Hooper & Co. Druggists.

JAS. BASTEDO, SURGEON DENTIST,

34 King Street West, Hamilton, Ont. Reside 75-75 Bay Street North where appointments can be made.

Engraving.



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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, 12 cents per copy, including postage.

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