

Scientific.

No. 1 OF THE PRACTICAL PAINTER is received from Willis, Macdonald & Co., New York, a monthly paper at 50 cents a year. It contains a variety of matters relating to the profession. We make a few extracts below :-

KILLING KNOTS.—Glue size and red lead. Gum shellac dissolved in alcohol, and mixed with red lead, Gutta percha dissolved in ether. But through all or any of these will the pitch of the knot exude if exposed to the sun. Perhaps the very best method is, to size the knot with oil size, and then lay a leaf of gold or silver on it. In a very choice piece of work, a hot iron may be held over the knot till a good portion of the pitch has come out and been scraped off, when the two coats of the leaf will be sure to keep out both the pitch and any discoloration.

A USE FOR BEETLES.—In Switzerland, an oil is extracted from beetles, and said to be "excellent for salad dressing and greasing machinery." In Prussia, a powder is made, which is mixed with food for fattening poultry. In France, a young chemist has obtained a coloring matter which is a fixed yellow, varying from a chrome to a golden. Each beetle yields several tenths of a grain.

ANTI-RUST.—To keep tools from rusting, cover them with lard and resin melted together—three parts lard, one part resin.

A cement, made by dissolving rubber cut fine in benzine, may be used to mend rubber boots and shoes. This cement will firmly fasten on the rubber patch.

A good cement for gutters and leaky places may be made of boiling paint skins if while hot and thick a portion of sand and fine lime be stirred in. It must be used while hot, and when dry will be as hard as iron, and as durable.

THE ITALIAN HOUSE-PAINTER.—In Italy, the study and acquirements of a house-painter are little inferior to what is requisite for the higher branches of the art; and, in fact the practice of both is not infrequently combined. They are more conversant with the science, as well as the practice of coloring, with the rules of harmony, and with the composition of ornamental painting in all its branches; so that their works might be transferred to canvas, and admired for their excellence. In fact, the great frescoes of the first masters, which have been the admiration of ages, were but part of the general embellishment of the churches and palaces of Italy. And the most celebrated names in the list of artists have left memorials of their frame in the humble decorations of the arabesque, in which all the exuberance and playfulness of fancy are displayed, as well as the most enchanting harmony of brilliant colors.

THE FLEET TO BE LIGHTED WITH GAS.—An experiment is about to be tried on a grand scale, with the revenues of the United Kingdom to back it. Her Majesty's armour plated ship Monarch is to have a set of gas-works erected on board, and is to be lighted in every part by gas. The Monarch will go careering over the sea as though she were a jeweller's shop in Regent street, or a well-appointed villa at Peckham. Imagine two fleets of the olden time going into action with the gas half turned down. And this suggests the question, what would happen supposing the meter to have a shot put into them leaving the vessel in utter darkness? The pictures we have of those ancient timber castles with their dusky gun decks smelling of oil and feebly lit up by a few pendant lamps, will look obsolete indeed when we have our men of war coming to Spithead by night all aglare with brilliant jets, gas signals on the quarters, gas, it may be, at the masthead, gas below and above, in every cabin, over every gun—a sight that would petrify the Jack Tars of another day.

THE BEST SPECIMENS.—One of the New York dailies has procured samples of the brandy an whiskey sold by the principal hotels in the city, which they have had analyzed by a skillful chemist. In every case the liquors were largely diluted with water, varying from 65 to 74 per cent., every specimen but two contained fusil oil, a dangerous poison with powerful intoxicating qualities, and all had more or less of tannin and sugar. The price of the brandy was from thirty to fifty cents a glass, and of whiskey twenty to thirty. If such is the kind of liquor furnished by the first class hotels, what must be that retailed in the grog shop? At a recent trial of a revenue case, some specimens of brandy were submitted to skillful experts, who swore that it was genuine and worth \$12 a gallon in gold, while it was proved that it was manufactured in Brooklyn, and was not brandy at all.

LOOK OUT FOR YOUR SEEDS.—After all possible care has been expended in collecting seeds, they are often lost through inattention. Mice are exceedingly fond of some kinds of flowers and garden seeds, and their access to them should be guarded against. In keeping the mice out it will not do to have the box thoroughly air-tight.—Seeds must be kept in more or less moisture, and if kept in considerable quantity in a close vessel they will mould. The temperature at which seeds are kept is of but little consequence with many kinds, while other are injured by too great cold. A place in which the temperature ranges uniformly between 32 and 40 degrees is, perhaps, best. Peas and beans are apt to be infested by the weevil. Placing these in a close bottle, with a few drops of turpentine, is said to be the best method of treating the seeds.

MESSANGER ALMANACK.

Table with columns for Day, SUN, MOON, and HIGH WATER AT HALIFAX. Includes dates from March 7th to March 20th, 1869.

For the time of HIGH WATER at Pictou, Pugwash, Walle and Yarmouth add 2 hours to the time at Halifax. For HIGH WATER at Annapolis, Digby, &c., and at St. John, N. B., add 3 hours to the time at Halifax.

CHIPMAN & RUMSEY, Produce and General Commission Merchants, No 5 DUKE STREET, Near Fishwick's Express Office, HALIFAX.

PARTICULAR interest taken in the sale of all kinds of COUNTRY PRODUCE, and consignments respectfully solicited. Place of business central, and ample facilities for the storage of goods. City References: E. W. CHIPMAN & Co. and AVARD LONGLEY, Esq.

GREAT CLOSING SALE OF English and American BOOTS AND SHOES! AT AND BELOW COST.

THE Subscriber will offer from this date the balance on hand of the above mentioned Goods at

DECIDED BARGAINS! And will continue the sale until the whole is disposed of.

WHOLESALE BUYERS Will find in this STOCK, some Very Cheap Job Lots. TERMS CASH.

GEORGE S. YATES, 22 & 23 George Street. N. B.—This Stock has no reference to Home Manufactured Goods.

NOVA SCOTIA RAILWAY. WINTER ARRANGEMENT.

ON and after MONDAY, 4th January, 1869, Trains will be run as follows:— MAIN LINE.

Table with columns for Carrying Passengers, Mails and through Freight, Ditto Local Freight, Ditto Local do., Ditto (Through), and WINDSOR BRANCH.

Table with columns for Carrying Passengers, Mails and through Freight, Ditto Local Freight, Ditto Do. Do., Ditto (Through), and WINDSOR BRANCH.

NOTICE. TO COUNTRY DEALERS AND OTHERS.

THE subscribers at the commencement of the year 1869, would respectfully return sincere thanks to one and all of their numerous customers for past patronage that they have so liberally bestowed upon them, and would now intimate that after this date they intend to sell at greatly reduced prices for READY PAY ONLY, and in future will be able to supply customers with goods at cheaper rates than can be got in the City.

JOHN P. CROWE & CO 41os. Ladies Seminary, WOLFVILLE.

THE 1st Quarter of the year 1869, will commence on Wednesday, Jan'y 6th. Principal.....Miss O. J. Emerson. Assistant.....Miss Norris. Drawing and French.....Mr. F. Crawley. Music.....Miss Crawley.

Floor Oil Cloth.

JUST received ex "Forest King" from London and "Rosenath" from Glasgow, our Spring supply of English and Scotch Floor Oil Cloth, which can be cut to any size of shape.

Iron Bedsteads and Stretchers

Children's Bedsteads, Bedding of every description, Superior Feather Beds, Best Goose Feathers, and warranted free from unpleasant smell.

ONE TON GOOSE FEATHERS, in bags. Three hundred sets of NARROW SLATS & OTHER VENETIAN BLINDS

GORDON & KEITH. Orders from the Country promptly executed May 20.

HOUSEHOLD FURNITURE.

INTENDING Housekeepers and those refurnishing can do much better than speculating in second hand articles at auctions, by an inspection of our unrivalled stock of custom-made first-class FURNITURE, comprising— DRAWING ROOM SETS, DINING ROOM SETS, HALL FURNITURE, BEDROOM SETS,

Several suits of Drawing Room Furniture, finished in plain and fancy Repps, Brocatelles and Damasks; Wardrobes, Book Cases, Whatnots, Fancy Tables, Fancy Chairs, &c., &c., in Walnut and Mahogany. GORDON & KEITH. May 20.

NOVA SCOTIA SCHOOL SERIES. Just Published: SCHOOL GEOGRAPHY OF THE WORLD.

BY J. B. CALKIN. WITH Over 100 Illustrations AND 21 BEAUTIFULLY COLORED MAPS, The Physical Features of the Continents being shown.

J. & W. JACKINLAY, PUBLISHERS, Halifax, N. S. Jan. 27. 6ins

Dr. Burton's Tobacco Antidote.

WARRANTED TO REMOVE ALL DESIRE FOR TOBACCO, its deadly vegetable and harmful. It purifies and enriches the blood, invigorates the system, possesses great nourishing and strengthening power, is an excellent tonic and appetizer, enables the stomach to digest the heartiest food, makes sleep refreshing, and establishes robust health.

TESTIMONIALS. Hamilton, Ontario, Canada. I feel it my duty to testify that Dr. Burton's Tobacco Antidote has given entire satisfaction. My father used to have thirty years, and I also have been a slave to the foul weed ten years, and we have both been permanently cured by using two boxes of Dr. Burton's Antidote.

FOR SALE BY ALL DRUGGISTS. [Trademark & Copyrighted.] Nov. 18.

THE BRITISH AMERICAN BOOK AND TRACT SOCIETY.

66 Granville Street, Halifax. Keep constantly on hand a good supply of STANDARD RELIGIOUS, THEOLOGICAL AND SCHOOL PUBLICATIONS, including those of the LONDON, AMERICAN STIRLING and DUBLIN TRACT SOCIETIES, with selections from leading Publishers in Great Britain and the United States.

66 Granville Street, Opposite the Province Building. S. School Papers, Religious Magazines, &c., furnished by the Society, as formerly by the Depository on Barrington Street.

PREMIUM VENETIAN BLINDS.

W. FRASER & SON HAVING been appointed by the manufacturer of the above celebrated Blinds, sole Agents for Nova Scotia, the public are respectfully invited to call at their Ware Rooms 70 & 72 Barrington Street, Halifax, and examine Samples of different Styles and prices. They are the best and most durable, article in use for Bay Windows, Drawing Rooms, Dining Rooms, Halls, Conservatories, Public Buildings, &c. These Blinds are of different widths of slat, and trimmed with Worsted or Silk, with plain or carved cornice, to suit the taste of purchasers, Oct. 30.

FELLOWS' COMPOUND SYRUP OF HYPOPHOSPHITES

\$1.50 per bottle, 6 bottles for \$7.50. FOR SALE BY

JOHN K. BENT,

124 GRANVILLE STREET, HALIFAX, N. S., Wholesale and Retail Dealer in

Drugs, Medicines, Chemicals, FANCY AND TOILET ARTICLES, SPONGES, BRUSHES, PERFUMERY, &c.

Physicians' Prescriptions carefully compounded, and orders answered with care and despatch. Farmers and Physicians from the country will find my stock of Medicines complete, warranted genuine, and of the best quality. Jan. 13. 6 mths.



Hoop Skirts, &c.

Just Received at the Liverpool House 127 GRANVILLE STREET, A CHOICE ASSORTMENT of Ladies' Misses and Children's HOOP SKIRTS, Newest Styles Canadian manufacture, very cheap Ladies' and Gents' PAPER COLLARS AND CUFFS,

New Brunswick make, together with a full Stock of STAPLE AND FANCY DRY GOODS, Adapted to the City and Country trade, which will be sold on the most reasonable terms, Wholesale and Retail.

WETMORE & McCULLOCH. Oct. 16.

FELLOWS' COMPOUND SYRUP OF HYPOPHOSPHITES.

THE power of arresting disease displayed by this Preparation is honourably acknowledged by the Medical Faculty in every section where it has been introduced; and the rapidly increasing sale is the best guarantee of the estimation in which it is held by the public.

This Syrup will cure Pulmonary Consumption in the first and second stages, will give great relief and prolong life in the third. It will cure Asthma, Bronchitis, Laryngitis, Cough and Colds. It will cure all diseases originating from want of Muscular Action and Nervous Force, such as Enlargement of the Liver, Enlargement of the Spleen, Dyspepsia, Rickets, Feeble and Irregular action of the Heart, Local and General Paralysis, Non-retention of the Urine, Prolapsus Uteri, Prolapsus Ani, Aphonia or Loss of Voice.

It will cure Female Irregularities, Leucorrhoea, Weakness and Debility, Chlorosis, Anemia, and restore the blood to purity and health. It will return the buoyancy and vigor of youth in all cases uncomplicated by actual loss of organ.

For sale by Chemists and Apothecaries at \$1.50 per bottle; or six for \$7.50. It is not obtainable in the locality where wanted, the Proprietor will forward six bottles to any address in Nova Scotia or New Brunswick, free on receipt of the price, \$7.50. Oct. 21. cov.

CUSTOMS DEPARTMENT.

OTTAWA, 11th December, 1868. Authorised discount on American Invoices until further notice: 25 per cent. R. S. M. BOUCHETTE, Commissioner of Customs.

The above is the only notice to appear in newspapers authorized to copy. Dec. 30.

NOTICE.

THE business heretofore conducted under the name and style of JAMES THOMAS & SONS, Hat, Cap & Fur Dealers, in consequence of the retirement of Mr. James Thomas, will in future be conducted by JOHN R. THOMAS & PETER B. McKEELOW, at the old stand, corner of Barrington and Quokville Streets. All persons indebted to the late firm are requested to make immediate payment, and parties having claims against the firm are requested to render the same for adjustment. The subscribers beg to return their thanks to the general public for past favors, and respectfully solicit for the new firm a continuance of the same. JAMES THOMAS, J. R. THOMAS, P. E. McKEELOW. Halifax, 1st January, 1869. Jan 6.

WRIGHT'S Patent Sectional Spring Bed!

THE subscribers having been appointed Sole Agents in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and a facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. May 20. GORDON & KEITH

The "Christian Messenger"

Is published every Wednesday, and will be sent to any address in the City or elsewhere on payment of Two Dollars a year in advance within the Dominion of Canada. Subscribers in other countries must send in addition thereto, at the rate of five cents per quarter for prepaying the postage. If payment is delayed over three months, \$2.25; if over six months \$2.50. ADVERTISEMENTS inserted at the usual rates. STEPHEN SELDEN, Proprietor. Office No. 59 Granville Street, Halifax, N. S.

Printing in general done at the Messenger Office with neatness and despatch.