

THE WORKSHOP.

India-rubber wheel-tires are used.
 African ivory is preferred to the Asiatic.
 Platform scales were used in England in 1796.
 The soil on which timber is grown increases or deteriorates its value.
 The tensile strength of lance wood is double that of chestnut or beech.
 Pig-iron is the crude metal from the smelting furnace, cast into bars or pigs.
 Petroleum is refined by treatment with sulphuric acid and by distillation.
 The winding drums or pulleys for wire ropes should be 100 times the size of the rope.
 The first iron-works in America were established near Jamestown, Virginia, in 1619.
 Plate glass is formed of silica 78 parts, potash 2, soda 13, lime 5, and alumina 2 parts.
 Red ink is a solution of alum colored with Brazil-wood, or an ammoniacal solution of cochineal.
 Oak warps and twists much in seasoning and shrinks in width about one-thirty-seventh part.
 Split timber is more durable and stronger than that which is sawn, from the continuity of the fibres.
 The Florida cedar is used by all of the principal pencil makers in the world, on account of its fine grain, softness and strength combined.

Rubber tubes are made by wrapping slips of rubber or rubber-cloth around a mandril of glass, which is afterwards withdrawn, the layers and the edges being joined by solvents of heat.
 To make leather adhere closely to metal, the leather is steeped in an infusion of gall nuts, a layer of hot glue is spread upon the metal, and the leather forcibly applied to on the fleshy side. It must be allowed to dry under the same pressure.

Enameled slate, as it is called, is worked for chimney-pieces to represent marbles and for other decorative purposes. The process, which is simply painting dried at great heat, requires to be well done to be really lasting.
 Marble for mantels, tombstones, and generally where thin pieces are required, is divided by a saw, which is a plan narrow plate of steel, and effects the division of the stone by attrition, being constantly supplied with sand and water.
 Rubber belting is formed by laying together a sufficient number of layers of the vulcanized gum or gum cloth, and subjecting them to the action of a flat press at a heat of 280°. Additional hardness is attained by the use of a larger proportion of sulphur and the application of greater heat.

In Holland the preservation of the woodwork of drawbridges, sluices, gates, and other works, is conducted by the application of a mixture of pitch and tar, whereon are strewn pounded shells, with a mixture of sea sand, or again with small and sifted beaten scales from a blacksmith's forge.
 Limestone, taking an average time, requires burning about sixty hours to reduce it to lime when the heat is strong and well regulated; though no general rule can be laid down, since the different species require different periods of time. The principal object to be accomplished is the expulsion of the carbonic acid gas which enters into its composition.

The covering of pulleys with leather in many establishments where there is deficiency of power, would produce such an improvement as to astonish those not acquainted with its value. Large pulleys and drums may be covered by narrow strips of leather, wound around spirally; but narrow pulleys should be covered by leather of the same width as the pulley face.
 India paper is the name given to a paper made with one exceedingly fine surface, and used for taking the finest impressions of steel, steelplate and wood engravings. It is made by the Chinese from the inner bark of the bamboo. It is imported in sheets 25x26 inches. The Chinese also make paper of the barks of the elm and mulberry, of the cotton-tree, hemp, wheat-straw, rice and straw.

When water freezes it undergoes a sudden expansion. The amount of its expansion is found to be about ten per cent.—more exactly, 1000 cubic feet of water at freezing point becomes 1102 cubic feet of ice at the same temperature. The force of this expansion is almost irresistible. The common accident of the bursting of water-pipes in frosty weather can therefore be easily understood. The rupture takes place on the inside during the frost; but the rest being closed up with ice, no leakage of water takes place. It is only when the thaw sets in that the damage done to the pipe becomes apparent.

NEW GOODS!

PER STEAMER "ALBERT."

Ladies' Straw Hats,
 Flowers,
 Feathers,
 Ladies' Scarfs and Sacques,
 Ladies' Kid Gloves,
 Ladies' Thread Gloves,
 Ladies' Sunshades,
 Ladies' Corsets,

Men's Felt Hats,
 Men and Boys' Straw Hats,
 Prints,
 Grey Cottons,
 White Cottons,
 etc., etc., etc.,

VERY CHEAP,

J. B. MACDONALD'S.

Queen Street, Charlottetown, April 22, 1879—her

Citizens' Skating Rink.

THE ANNUAL MEETING of the Citizens' Skating Rink Company will be held in the Rink on **Wednesday, 14th May**, at eight o'clock, p. m., for the election of officers and the transaction of other business.
 W. C. HOBKIRK, Secretary.
 Ch'town, April 29, 1879.

Great Cash Sale

—OF—
DRY GOODS,
CLOTHING, ETC.

The Whole Stock in Trade
 OF THE LATE ROBERT ORR.

—TO BE—
SOLD OFF AT COST,

—CONSISTING IN PART OF—

Dress Goods, Shawls, Mantles,
 Millinery, Silks, Velvets,
 Hosiery, Gloves, Linens,
 Winceys, Shirtings,
 Sheetings,
 Prints, Grey and White Cottons,
 Hats and Bonnets, Furs,
 Blankets, Flannels,
 Pilots, Beavers,
 Coatings,
 Tweeds, etc., etc. etc.

Readymade Clothing

Hats, Caps, Linders and
 Drawers, Scarfs, &c.

Cotton Warp, Small Wares, &c

The above Stock must be cleared out from this date, and our Customers, and the public generally, can depend upon getting Bargains.

John McPhee,
 Administrator.
 Charlottetown, Feb. 4, 1879.

QUEEN INSURANCE COY.
 OF ENGLAND.

CAPITAL, . . . TWO MILLIONS STERLING.
 INSURANCE effected on all kinds of Buildings, Merchandise and Produce. Also, on Vessels on the stocks.
 Special rates for isolated residences.
 Losses settled promptly.
 GEORGE MACLEOD (Union Bank),
 Agent for Prince Edward Island
 June, 1877—

BUY THE DAILY EXAMINER,
 for the latest news—local and telegraphic.

COMMERCIAL
Union Assurance Company,
 OF LONDON, ENGLAND.

CAPITAL - - \$12,500,000.

INSURANCE effected against Fire on all descriptions of Property throughout the Island.
 Low rates and PROMPT settlement of losses.

HORACE HASZARD,
 Agent for P. E. Island.
 Ch'town, Dec. 20, 1878—

No. 35 Water St.,
Charlottetown.

Prince Edward Island Branch
 —OF THE—
NORTH BRITISH & MERCANTILE
FIRE AND LIFE
INSURANCE CO.

Subscribed Capital, \$9,733,332.00
 Paid up Capital, - 1,216,666.00

CHIEF OFFICES—Edinburgh, 64 Princess Street; London, 61 Threadneedle Street.
 Nine-Tenths of the Profits of the Life Assurance Business are divided every Five Years.
 The Tables of Rates are moderate.
 Fire Insurances effected on nearly every description of Property, at the LOWEST RATES of Premium, corresponding to the nature of the risk.
 Losses settled with promptitude and liberality.

G. W. DEBLOIS,
 General Agent.
 Dec. 14.

E. G. HUNTER,
Italian and American Marble,
Monuments, Tablets, Headstones,

MANTLES, CENTRE TABLE TOPS, BUREAU AND COMMODOE TOPS, WASH BOWL SLABS, &c., &c.
 Prices to suit, and satisfaction guaranteed.
 Designs furnished on application.
 Corner Hillsborough and Kent Streets, Charlottetown.
 November 6, 1878.

TO THE SICK.

DR. D. MACRAE,

FORMERLY SURGEON and PHYSICIAN in the United States Army, late of St. Louis, Mo., respectfully announces to the citizens of Charlottetown and Prince Edward Island that he will be at the "Rocklin House," in Charlottetown, every TUESDAY and FRIDAY throughout the year, where those who are suffering with any form of disease can call and receive medical advice and treatment; especially persons suffering from diseases and deformities of the eyes, deafness and ulcerations of the ears, catarrh, asthma, consumption, diseases of the heart, liver, stomach, kidneys, rheumatism, paralysis, scrofula, malignant ulcerations, tumors, piles, fistula; cancer cured without the use of the knife. Particular attention given to diseases peculiar to females. All forms of fevers, diphtheria and other malignant diseases successfully treated and cured by him.

Prominent Office, HUNTER RIVER STATION, Prince Edward Island.
 DUNCAN MACRAE, M. D.
 April 18, 1879.—d&w ly

Pownal Nursery.

IT will pay any person best to get the most Reliable Seeds, Plants and Trees. We have been in the Nursery, Seed and Market Garden Business
FOR TEN YEARS
 and our increasingly large sales prove that it pays to keep the best article for sale. Our Stock of Fruit and Ornamental Trees and also Field, Garden and Flower Seeds is the largest we ever had, and we will sell at prices to suit the times. We shall have in due time an abundance of Cabbage, Cauliflower, Celery, Tomato and other Plants. We shall offer for sale at our Horticultural Stall in the Market House, Charlottetown, on Market Days, (Tuesday and Friday) as well as at home, the above in their season.
 Send for Price List.

JAMES J. GAY,
 Pownal, April 21, 1879.—caw

PRINCE EDWARD ISLAND
RAILWAY.

TIME TABLE NO. II.

Winter Arrangement.

ON AND AFTER
MONDAY, DECEMBER 30th, 1878.

Trains Going West.

STATIONS.	No. 1. Express.	No. 3 Mixed.
Georgetown	dp 8.10 am	
Cardigan	ar 8.35 "	
M. Stewart Jun	ar 9.55 "	
Royalty Jun.	dp 10.05 "	
Ch'town	dp 11.20 "	
Royalty Jun.	dp 8.00 am	Dp 3.30 pm
N. Wiltshire	ar 8.20 "	ar 3.50 "
Hunter River	ar 9.12 "	ar 4.45 "
Breadalbane	ar 9.30 "	ar 5.03 "
County Line	ar 10.08 "	ar 5.41 "
Kensington	ar 10.18 "	ar 5.51 "
Summerside	ar 11.00 "	ar 6.30 "
Wellington	ar 11.30 "	ar 7.00 "
Port Hill	dp 2.40 pm	
O'Leary	ar 3.32 "	
Alberton	ar 4.16 "	
Tignish	ar 5.33 "	
	ar 6.35 "	
	ar 6.40 "	
	ar 7.25 "	

Trains Going East.

STATIONS.	No. 2 Express.	No. 4 Mixed.
Tignish	dp 7.00 am	
Alberton	ar 7.45 "	
O'Leary	ar 8.47 "	
Port Hill	ar 10.05 "	
Wellington	ar 10.48 "	
Summerside	ar 11.40 "	
Kensington	dp 2.30 pm	Dp 8.45 am
County Line	ar 3.00 "	ar 9.15 "
Breadalbane	ar 3.40 "	ar 9.57 "
Hunter River	ar 3.59 "	ar 10.08 "
N. Wiltshire	ar 4.23 "	ar 10.47 "
Royalty Jun.	ar 4.45 "	ar 11.02 "
Ch'town	ar 5.40 "	ar 11.55 "
Royalty Jun.	ar 6.00 "	ar 12.15 pm
Mt. Stewart	dp 2.55 "	
Cardigan	ar 3.15 "	
Georgetown	ar 4.30 "	
	dp 4.40 "	
	ar 6.00 "	
	ar 6.25 "	

SOURIS BRANCH.

Going West.		Going East.	
STATIONS.	No. 5 Mixed.	STATIONS.	No. 6 Mixed.
Souris	dp 7.00 A. M.	Mt S'tw't Jnc	dp 4.40 P. M.
Harmony	ar 7.23 "	Morell	ar 5.22 "
St. Peters	ar 8.42 "	St. Peters	ar 5.54 "
Morell	ar 9.13 "	Harmony	ar 7.12 "
Mt S'tw't Jnc	ar 9.55 "	Souris	ar 7.35 "

C. J. BRYDGES, WM. MCKECHNIE,
 Gen. Supt. Gov. Railways Supt. P. E. I. R.
 Ch'town, Dec. 27, 1878.
 p ne ar h pres kca sp sj ap 6i

A. E. THOMPSON & CO.,
NEW GLASGOW, NOVA SCOTIA,

WHOLESALE MANUFACTURERS OF
Plain and Japanned Tinware,
Coal Hods, Tubular Lanterns,
Perfection Oil Tanks,
 &c., &c.

BY long experience in the business, and using the most approved machinery, we are able to supply goods in our line at Lower Prices than the same quality can be had for elsewhere.
 Freight prepaid to Charlottetown. Prices very low to merchants and traders.
 Please send for price list before ordering elsewhere.
 New Glasgow, N. S., April 17, 1879—lm

CATARRH.

Constitutional Catarrh Remedy
CURES CATARRH.

Hear what a Reverend Gentleman says of the Constitutional Remedy.

T. J. B. HARDING, Esq., Brockville, Ont.:—
 "DEAR SIR—It is now two years since your 'Constitutional Catarrh Remedy' was introduced to me. I have waited this long to see if the cure would remain permanent before doing this, my duty, to you, as at first the happy effects seemed to me to be 'too good to be true.'"

I was afflicted in my head for years before I suspected it to be Catarrh. In reading in your Circular I saw my case described in many particulars. The inward 'drop' from the head had become very disagreeable, and a choking sensation often preventing me from lying long. I would feel like smothering and be compelled to sit up in the bed. My health and spirits were seriously affected. When your agent came to Walkertown in August, 1876, I secured three bottles. Before I had used a quarter of the contents of one bottle I found decided relief, and when I had used two bottles and a third, I quit taking it, feeling quite cured of that ailment, and have not used any since until of late I have taken some for a cold in my head. A sense of duty to sufferers from that loathsome disease, Catarrh, prompts me to send you this Certificate, unsolicited, with leave to make what use of it you may see proper. Yours truly,

W. TINDALL, Methodist Minister.
 Port Elgin, Ont., Aug. 24, 1878.

Ask for Littlefield's Constitutional Catarrh Remedy and take no other.
 T. J. B. HARDING, Dominion Agent, Brockville, Ont.
 For sale by all Druggists at only one Dollar per bottle.

BUY IT. . . . TRY IT.
SUBSCRIBE for the DAILY EXAMINER the Cheapest and most newsworthy Paper published in the Province.

Mortgage Sale.

To be sold by Public Auction, at the Court House in Georgetown, in King's County, in Prince Edward Island, on **Friday, the 23rd day of May next, A. D. 1879**, at Twelve o'clock, noon, by virtue of a Power of Sale in an Indenture of Mortgage dated the twenty-fifth day of March, 1878, made between Angus A. Campbell and Mary Campbell, his wife, of the one part, and Neil McLeod, of the other part,—

ALL that tract of land situate on Lot of Township Number Fifty-four, in King's County, in the said Island, bounded as follows, that is to say: Commencing at a stake set in the south side of a road leading from Cardigan Ferry at the eastern boundary of a tract of land in possession of John and Donald Steele, and running thence south along said boundary to the rear line of farms fronting on said Cardigan River; thence eastwardly on said rear line a distance sufficient to include sixty-five acres or one-half of the rear land; thence north to said road; thence along the same south-westwardly to the place of beginning, containing sixty-five acres of land, a little more or less.

Also, all that other tract of land situate on Lot Fifty-four aforesaid, commencing on the northern shore of Cardigan River at the western boundary of land in the occupation of Roderick Steele, and on the eastern boundary by land in the occupation of Allan Campbell, having a front of five and one-half chains and extending north by parallel lines so as to contain fifty acres of land, a little more or less, together with all buildings and improvements thereon and appurtenances thereunto belonging.

For further particulars, apply at the office of Messrs. Hodgson & McLeod, Solicitors, Charlottetown.
 Dated 22nd of April, 1879.
 (Signed) NEIL McLEOD,
 oaw ts Mortgagee.

Mortgage Sale.

To be Sold at Public Auction at the COURT HOUSE, in Charlottetown, in Queen's County, on **FRIDAY, the 30th day of May, 1879**, at TWELVE o'clock, noon, by virtue of a Power of Sale, in an Indenture of Mortgage, dated the 6th day of February, 1877, made between Daniel Nicholson, of the one part, and Hannah Sarah Holroyd, of the other part:—

ALL that piece or parcel of land, situate on Lot Fifty-nine, King's County, bounded as follows, that is to say: commencing on the division line between Townships number fifty-one and fifty-nine, at the northwest angle of land in the possession of Samuel Nicholson, thence south eighty chains, thence west six chains and twenty five links, thence north to the aforesaid division line, thence along the line to the place of commencement, containing an area of fifty acres of land, a little more or less. Together with all buildings and improvements thereon, and appurtenances to the same belonging.

For further particulars apply at the office of Messrs. Hodgson & McLeod, Solicitors, Charlottetown.
 HANNAH S. HOLROYD,
 Mortgagee.

MORTGAGE SALE.

To be sold by PUBLIC AUCTION, at the Court House in Summerside, Prince County, Prince Edward Island, on **Tuesday, the Fifth day of August next**, at the hour of Two o'clock in the afternoon, under and pursuant to a Power of Sale contained in an Indenture of Mortgage, dated the first day of September, A. D. 1871, made between James Ludlow Holman, late of Summerside, in Prince County, Prince Edward Island, Merchant, and Ada L. Holman, his wife, of the one part, and Edward Jarvis Hodgson, of Charlottetown, in Queen's County, in said Island, Esquire, of the other part, which said mortgage was assigned to Jessie Cambridge and Charlotte Cambridge by indenture dated the second day of September, A. D. 1871, made between the said Edward Jarvis Hodgson, of the one part, and Jessie Cambridge and Charlotte Cambridge, of the other part,—

ALL that tract, piece and parcel of land situate, lying and being in Summerside, in Prince County, in said Island, bounded and described as follows: On the South by a street being the first street north of Water Street; on the East by a street, on the North by a street, and on the West by a piece of land used as a street, being that portion of the estate of the late George Green, deceased, willed to his daughter, Sarah Green, wife of Wm. Theodore Darby, containing one acre of land, a little more or less, together with all buildings and improvements thereon and appurtenances to the same belonging.

For further particulars apply to the office of Messrs. HODGSON & McLEOD, Solicitors, Charlottetown.
 Dated this Third day of May, A. D. 1879.

JESSY ISABEL CAMBRIDGE,
 MELMOTH CAULFIELD GAHAN,
 CHARLOTTE EMILY GAHAN,
 By JESSY ISABEL CAMBRIDGE,
 their attorney.

GRAY'S SPECIFIC MEDICINE.

TRADE MARK. The Great TRADE MARK. English Remedy, an unfailing cure for Seminal Weakness, Spermatorrhea, Impotency, and all diseases that

Before Taking follow as a se-After Taking, quence of self-abuse; as loss of Memory, Universal Lassitude, Pain in the Back, Dimness of Vision, Premature Old Age, and many other Diseases that lead to Insanity or Consumption. Full particulars in our pamphlet, which we desire to send free by mail to every one. The Specific Medicine is sold by all druggists at \$1 per package, or six packages for \$5, or will be sent free, by mail, on receipt of the money, by addressing
The Gray Medicine Co.,
 Windsor, Ont., Canada.
 Sold in Charlottetown by all Druggists, and by all wholesale and retail Druggists in the United States and Canada.
 January 24, 1879.

