



CANADIAN PACIFIC RAILWAY.

Tenders for Tanks and Pumping Machinery.

TENDERS will be received by the undersigned up to noon on SATURDAY, the 15th MAY next, for furnishing and erecting in place at the several watering stations along the line of the Canadian Pacific Railway under construction, Frost-proof Tanks with Pumps and Pumping Power of either wind or steam, as may be found most suitable to the locality.

Drawings can be seen and Specifications and other particulars obtained at the office of the Engineer-in-Chief, Ottawa, on and after the 15th APRIL.

By Order, F. BRAUN, Secretary.

DEPT. OF RAILWAYS AND CANALS, Ottawa, 1st April, 1880.



WELLAND CANAL.

NOTICE TO MACHINIST-CONTRACTORS.

SEALED TENDERS, addressed to the undersigned (Secretary of Railways and Canals), and endorsed "Tender for Lock Gates, Welland Canal," will be received at this office until the arrival of the Eastern and Western mails on THURSDAY, the 3rd day of June, next, for the construction of gates, and the necessary machinery connected with them, for the new locks on the Welland Canal.

Plans, Specifications and General Conditions can be seen at this office on and after THURSDAY, the 20th day of MAY, next, where forms of tender can also be obtained.

Parties tendering are expected to provide the special tools necessary for, and to have a practical knowledge of, works of this class, and are requested to bear in mind that tenders will not be considered unless made strictly in accordance with the printed forms, and—in the case of firms—except there are attached the actual signatures of each member of the same; and, further, an accepted bank cheque for a sum equal to \$250, for the gates of each lock, must accompany each tender, which sum shall be forfeited if the party tendering declines entering into contract for the work at the rates and on the terms stated in the offer submitted.

The cheque thus sent in will be returned to the respective parties whose tenders are not accepted. For the due fulfilment of the contract the party or parties whose tender it is proposed to accept will be notified that their tender is accepted subject to a deposit of five per cent. of the bulk sum of the contract—of which the sum sent in with the tender will be considered a part—to be deposited to the credit of the Receiver-General within eight days after the date of the notice.

Ninety per cent. only of the progress estimates will be paid until the completion of the work.

This Department does not, however, bind itself to accept the lowest or any tender.

By Order, F. BRAUN, Secretary.

DEPT. OF RAILWAYS AND CANALS, Ottawa, 29th March, 1880.

D. MORRICE & CO.,

ICE DEALERS,

24 Victoria Square.

Prices Reduced for 1880.

Prompt Delivery and Pure Ice.

20 new Gold and Silver Chromos Card 10c. with name Silver or stamps taken. J. B. Husted, Nassau, N.Y.

THE DUCHESS CORSET.

Awarded Extra Prize, Grand Dominion Exhibition.



Is specially designed for Stout Ladies, to meet the requirements of fashion. Is not only elegant in form, but very comfortable to wear. Once worn, will wear no other.

Sateen Jean, \$2.50; Coutil, \$3.50 and upwards.

Sent by post to any part of the Dominion on receipt of price and address.

Send measure Round the Waist and Bust, tight—not too tight—also length of Waist under arm and length of front.

Ottawa Corset Factory, 70 Sparks Street, Ottawa, Ont.

ELEGANT AUTOGRAPH ALBUM, containing about 50 finely engraved and tinted pages, bound in gold, and 154 quotations, all postpaid, 15c. Popular name of Authors, 15c. Clinton Bros. Clintonville, Ct.

APPLICATION

will be made to the Legislature of Quebec, at its next session, for an act to incorporate "The Montreal Steam Heating Company."

Montreal, 7th April, 1880.

MR. J. H. BATES, Newspaper Advertising Agent, 41 PARK ROW (Times Building), NEW YORK, is authorized to contract for advertisements in the CANADIAN ILLUSTRATED NEWS at our BEST RATES.

CARDS—10 Lily of the Valley, 10 Scroll, 10 Engraved, 10 Transparent, 1 Model Love Letter, 1 Card Case. Name on all 15c. WEST & CO., Westville, Conn.



WELLAND CANAL.

Notice to Bridge-Builders.

SEALED TENDERS, addressed to the undersigned (Secretary of Railways and Canals), and endorsed "Tender for Bridges, Welland Canal," will be received at this office until the arrival of the Western mails on TUESDAY, the 15th day of JUNE, next, for the construction of swing and stationary bridges at various places on the line of the Welland Canal. Those for high-ways are to be a combination of iron and wood, and those for railway purposes are to be of iron.

Plans, specifications and general conditions can be seen at this office on and after MONDAY, the 31st DAY OF MAY, next, where Forms of Tender can also be obtained.

Parties tendering are expected to have a practical knowledge of works of this class, and are requested to bear in mind that tenders will not be considered unless made strictly in accordance with the printed forms, and, in the case of firms—except there are attached the actual signatures, the nature of the occupation, and residence of each member of the same; and, further, an accepted bank cheque for a sum equal to \$250 for each bridge, for which an offer is made, must accompany each Tender, which sum shall be forfeited if the party tendering declines entering into contract for the work at the rates and on the terms stated in the offer submitted.

The cheque thus sent in will be returned to the respective parties whose tenders are not accepted. For the due fulfilment of the contract, the party or parties whose tender it is proposed to accept will be notified that their tender is accepted subject to a deposit of five per cent. of the bulk sum of the contract—of which the sum sent in with the tender will be considered a part—to be deposited to the credit of the Receiver-General within eight days after the date of the notice.

Ninety per cent. only of the progress estimates will be paid until the completion of the work.

This Department does not, however, bind itself to accept the lowest or any tender.

By Order, F. BRAUN, Secretary.

DEPT. OF RAILWAYS AND CANALS, Ottawa, 29th March, 1880.



LACHINE CANAL.

Notice to Machinist-Contractors.

SEALED TENDERS, addressed to the undersigned (Secretary of Railways and Canals), and endorsed "Tender for Lock Gates, Lachine Canal," will be received at this office until the arrival of the Eastern and Western mails on THURSDAY, the 3rd day of JUNE, next, for the construction of Gates, and the necessary machinery connected with them, for the new locks on the Lachine Canal.

Plans, Specifications, and General conditions can be seen at this office on and after THURSDAY, the 20th day of MAY, next, where forms of tender can also be obtained.

Parties tendering are expected to provide the special tools necessary for, and to have a practical knowledge of, works of this class, and are requested to bear in mind that tenders will not be considered unless made strictly in accordance with the printed forms, and—in the case of firms—except there are attached the actual signatures, the nature of the occupation and residence of each member of the same; and, further, an accepted bank cheque for a sum equal to \$250, for the gates of each lock, must accompany each tender, which sum shall be forfeited if the party tendering declines entering into contract for the work at the rates and on the terms stated in the offer submitted.

The cheque thus sent in will be returned to the respective parties whose tenders are not accepted. For the due fulfilment of the contract the party or parties whose tender it is proposed to accept will be notified that their tender is accepted subject to a deposit of five per cent. of the bulk sum of the contract—of which the sum sent in with the tender will be considered a part—to be deposited to the credit of the Receiver-General within eight days after the date of the notice.

Ninety per cent. only of the progress estimates will be paid until the completion of the work.

This Department does not, however, bind itself to accept the lowest or any tender.

By Order, F. BRAUN, Secretary.

DEPT. OF RAILWAYS AND CANALS, Ottawa, 29th March, 1880.



CANADIAN PACIFIC RAILWAY.

Tenders for Rolling Stock.

TENDERS are invited for furnishing the Rolling Stock required to be delivered on the Canadian Pacific Railway, within the next four years, comprising the delivery in each year of about the following, viz:—

- 20 Locomotive Engines.
- 16 First-class cars (a proportion being sleepers).
- 20 Second-class Cars, do.
- 3 Express and Baggage Cars.
- 3 Postal and Smoking Cars.
- 240 Box Freight Cars.
- 100 Flat Cars.
- 2 Wing Ploughs.
- 2 Snow Ploughs.
- 2 Flangers.
- 40 Hand Cars.

The whole to be manufactured in the Dominion of Canada and delivered on the Canadian Pacific Railway, at Fort William, or in the Province of Manitoba.

Drawings, specifications and other information may be had on application at the office of the Engineer-in-Chief, at Ottawa, on and after the 15th day of MARCH next.

Tenders will be received by the undersigned up to noon of THURSDAY, the 1st day of JULY next.

By Order, F. BRAUN, Secretary.

Department of Railways and Canals, Ottawa, 7th February, 1880.



CANADIAN PACIFIC RAILWAY.

Tenders for Iron Bridge Superstructure.

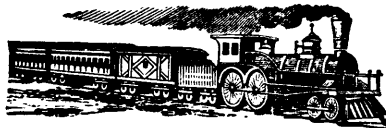
TENDERS, addressed to the undersigned, will be received up to noon of SATURDAY, the 15th MAY, next, for furnishing and erecting Iron Superstructures over the Eastern and Western outlets of the Lake of the Woods.

Specifications and other particulars will be furnished on application at the office of the Engineer-in-Chief, Ottawa, on and after the 15th April.

By Order, F. BRAUN, Secretary.

DEPT. OF RAILWAYS AND CANALS, Ottawa, 1st April, 1880.

20 Lovely Rosebud Chromo Cards or 20 Floral Motto with name 10c. Nassau Card Co. Nassau, N.Y.



Q. M. O. & O. RAILWAY.

EASTERN DIVISION.

COMMENCING ON

Monday, Feb. 2nd, 1880.

Trains will run on this Division as follows:

| | MAIL. | MIXED. |
|-------------------------|------------|-----------|
| Leave Montreal..... | 2.15 p.m. | 5.20 p.m. |
| Leave Three Rivers..... | 6.25 p.m. | 4.15 p.m. |
| Arrive Quebec..... | 9.25 p.m. | 9.00 a.m. |
| Leave Quebec..... | 9.20 a.m. | 5.30 p.m. |
| Leave Three Rivers..... | 13.45 p.m. | 4.00 a.m. |
| Arrive Montreal..... | 4.10 p.m. | 9.50 a.m. |

Trains leave Mile-End Station ten minutes later.

General Office, 13 Place d'Armes Square. STARNES, LEVE & ALDEN, Ticket Agents. Offices, 202 St. James Street, and 168 Notre Dame Street.

J. T. PRINCE, General Passenger Agent. Montreal, March 16th, 1880.

THE COOK'S FRIEND BAKING POWDER

Has become a HOUSEHOLD WORD in the land, and is a HOUSEHOLD NECESSITY

in every family where Economy and Health are studied. It is used for raising all kinds of Bread, Rolls, Pastry cakes, Griddle Cakes, &c., &c., and a small quantity used in Pie Crust, Puddings, or other Pastry, will save half the usual shortening, and make the food more digestible.

THE COOK'S FRIEND

SAVES TIME, IT SAVES TEMPER, IT SAVES MONEY.

For sale by storekeepers throughout the Dominion, and wholesale by the manufacturer.

W. D. MOLAREN, UNION MILLS, 17-19-52-362 55 College Street.

British American

BANK NOTE COMPANY.

MONTREAL.

Incorporated by Letters Patent.

Capital \$100,000.

General Engravers & Printers

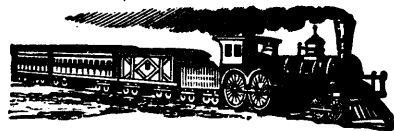
Bank Notes, Bonds, Postage, Bill & Law Stamps, Revenue Stamps, Bills of Exchange,

DRAFTS, DEPOSIT RECEIPTS, Promissory Notes, &c., &c., Executed in the Best Style of Steel Plate Engraving.

Portraits a Specialty.

G. B. BURLAND, President & Manager

THIS PAPER MAY BE FOUND ON FILE AT GEO. P. ROWELL & CO'S NEW YORK. Newspaper Advertising Bureau (10 SPRUCE STREET), WHERE ADVERTISING CONTRACTS may be made for it in NEW YORK.



Q. M. O. AND O. RAILWAY.

Change of Time.

COMMENCING ON

Monday, May 3rd, 1880.

Trains will run as follows:

| | MAIL. | EXPRESS. |
|-------------------------------|------------|-----------|
| Leave Hochelaga for Hull..... | 8.30 a.m. | 5.15 p.m. |
| Arrive at Hull..... | 12.40 p.m. | 9.25 p.m. |
| Leave Hull for Hochelaga..... | 8.20 a.m. | 5.05 p.m. |
| Arrive at Hochelaga..... | 12.30 p.m. | 9.15 p.m. |

| | Night Passenger. |
|---------------------------------|----------------------|
| Leave Hochelaga for Quebec..... | 3.00 p.m. 10.00 p.m. |
| Arrive at Quebec..... | 9.00 p.m. 6.30 a.m. |
| Leave Quebec for Hochelaga..... | 10.40 a.m. 9.30 p.m. |
| Arrive at Hochelaga..... | 4.45 p.m. 6.30 a.m. |

| | Mixed. | Mixed. |
|-------------------------------------|---------------------|---------------------|
| Leave Hochelaga for St. Jerome..... | 5.30 p.m. 7.15 p.m. | |
| Arrive at St. Jerome..... | | 6.45 a.m. 9.00 a.m. |
| Leave St. Jerome for Hochelaga..... | | |
| Arrive at Hochelaga..... | | |

(Local trains between Hull and Aylmer.)

Trains leave Mile-End Station Seven Minutes Later.

Magnificent Palace Cars on all Passenger Trains, and Elegant Sleeping Cars on Night Trains.

Trains to and from Ottawa connect with Trains to and from Quebec.

All Trains Run by Montreal Time.

GENERAL OFFICE, 13 Place d'Armes Square.

TICKET OFFICE, 202 St. James Street.

L. A. SENECAI, Gen'l Sup't.

The Scientific Canadian

MECHANICS' MAGAZINE

AND

PATENT OFFICE RECORD, A MONTHLY JOURNAL

Devoted to the advancement and diffusion of Practical Science, and the Education of Mechanics.

THE ONLY SCIENTIFIC AND MECHANICAL PAPER PUBLISHED IN THE DOMINION.

PUBLISHED BY

THE BURLAND LITHOGRAPHIC CO.

OFFICES OF PUBLICATION,

5 and 7 Bleury Street, Montreal.

G. B. BURLAND, General manager.

F. N. BOXER, ARCHITECT & CIVIL ENGINEER, Editor

TERMS:

One copy, one year, including postage.....\$2.00
One copy, six months, including postage... 1.10
Subscriptions to be paid in ADVANCE.

The following are our advertising rates:—For one monthly insertion, 10 cts. per line; for three months, 9 cts. per line; for six months, 8 cts. per line; for one year, 7 cts. per line; one page of Illustration, including one column description, \$30; half-page of Illustration, including half column description, \$20; quarter-page of Illustration, including quarter column description, \$10.

10 per cent. off on cash payments. INVENTIONS AND MACHINERY, &c., or other matter of an original, useful, and instructive character, and suitable for subject matter in the columns of the MAGAZINE, and not as an advertisement, will be illustrated at very reduced rates.

REMITTING MONEY.—All remittances of money should be in the form of postal-orders. When these are not available, send money by registered letters, checks or drafts, payable to our order. We can only undertake to become responsible for money when sent in either of the above ways.

This journal is the only Scientific and Mechanical Monthly published in Canada, and its value as an advertising medium for all matter connected with our Manufacturing, Foundries, and Machine Shops, and particularly to Inventors, is therefore apparent.

CONTRACTS FOR ADVERTISING IN THE Canadian Illustrated News MAY BE MADE AT OUR LOWEST RATES WITH MR. E. DUNCAN SNIFFIN, ASTOR HOUSE OFFICES, NEW YORK.

40 ELEGANT CARDS, all Chromo, Motto and glass; name in gold and jet 10c. West & Co., Westville, Ct.

ROBERT MILLER, BOOKBINDER

AND WHOLESALE STATIONER, 15 Victoria Square, Montreal.

E. N. FRESHMAN & BROS. Advertising Agents,

186 W. Fourth St., CINCINNATI, O.,

Are authorized to receive advertisements for this paper. Estimates furnished free upon application.

Send two stamps for our Advertisers' Manual.