

(c) This is very finely played, and after close examination I find it perfectly sound.
(d) His best course probably is to take off the Pawn, although the capture brings him face to face with a choice of difficulties.
(e) White has now a forced mate in a few moves. The play of Señor Vasquez has throughout been admirable.

GAME 350TH.

CHESS IN ENGLAND.

Played some time ago, in London, Eng., between Messrs. Vyse and MacDonnell, the latter giving the odds of Pawn and move.

(Remove Black's K B P.)

WHITE.—(Mr. Vyse.)	BLACK.—(Mr. MacDonnell.)
1. P to K 4	1. P to e 5
2. P to Q 4	2. P to Q 3
3. P to K B 4	3. K to K R 3
4. K to K B 3 (a)	4. B to K 5
5. P to K R 3	5. B takes K 1
6. Q takes B	6. P to K 4 (b)
7. P to Q 5	7. K to Q 2
8. B to K 5	8. P to R 3
9. B takes K 1	9. Q takes B
10. P takes P	10. P takes P
11. B takes K 1	11. P takes B
12. Q to R 5 (ch)	12. K to Q sq
13. Q takes P (c)	13. B to K 2
14. Q to B 4	14. B takes P
15. P to B 3	15. Q to K 2
16. Castles	16. B takes R
17. R to Q sq	17. R to K B sq
18. Q takes R P	18. R to B 3
19. Q to K 3	19. Q to K 4
20. K to Q 2	20. Q takes B P
21. Q to K 5	21. Q to Q 5 (ch)
22. R to R sq	22. K to K 2
23. R to K 4	23. Q to K 4
24. Q to K 7 (ch)	24. R to B 2
25. Q to K 4	25. R to B 5
26. Q to K 3	26. B to B 6 and wins

NOTES.

- (a) White ought not to have allowed Black to pin this Kt.
(b) A good move, to which White makes the best reply.
(c) An extraordinary blunder for so careful and clever a player to make; however, his after-play fully atones for his carelessness on this move.

SOLUTIONS

Solution of Problem No. 217.

WHITE.	BLACK.
1. Kt to Q B 5 (ch)	1. K to Q B sq
2. Q to Q K 3	2. Anything
3. Q. B or P. mates acc.	

Solution of Problem for Young Players No. 215.

WHITE.	BLACK.
1. Q to K 7	1. K takes either Kt
2. Q mates acc.	

PROBLEMS FOR YOUNG PLAYERS, No. 216.

WHITE.	BLACK.
Kt to Q B 4	K to K 5
Q to Q B 6	
B to Q 4	
Pawn at K R 3	

White to play and mate in three moves.



LOBSTER FISHERY.

DEPARTMENT OF MARINE & FISHERIES.
FISHERIES BRANCH.

OTTAWA, 22nd March, 1879.

PUBLIC NOTICE is directed to the following Fishery Regulations adopted by the Governor-General in Council, on the 13th inst., rescinding all Orders in Council relating to the Lobster Fishery:

1. In that part of the Province of Nova Scotia, comprising parts of the Counties of Cumberland and Colchester, on the Bay of Fundy, the Counties of Hants, Kings, Annapolis, Digby, Yarmouth, Shelburne, Queen's, Lunenburg, Halifax, Guysborough, Richmond, Cape Breton and Victoria; also in the Province of New Brunswick, comprising part of the County of Westmorland, on the Bay of Fundy, and the Counties of Albert, St. John and Charlotte; it shall be unlawful to fish for, catch, kill, buy, sell or without lawful excuse possess any Lobsters from the first day of August to the first day of April in each year.

2. In that part of the Province of Nova Scotia, comprising the Counties of Jernigan, Antigonish, Pictou, and parts of Colchester and Cumberland, on Northumberland Strait; and that part of the Province of New Brunswick comprising the Counties of Westmorland (in part), Kent, Northumberland, Gloucester and Restigouche; also in the Province of Quebec and Prince Edward Island; it shall be unlawful to fish for, catch, kill, buy, sell or without lawful excuse possess any Lobsters from the 20th day of August to the 25th day of April in each year.

3. It shall be unlawful at any time to fish for, catch, kill, buy, sell or possess any female Lobsters in spawn or with eggs attached, soft-shelled, or any young Lobsters of less size than nine inches in length measuring from head to tail exclusive of claws or feelers; and when caught by accident in nets or other fishing apparatus lawfully used for other fish, they shall be liberated alive at the risk and cost of the owner of the net or other apparatus, or by the occupier of the fishery, on either of whom shall devolve the proof of such actual liberation.

By order, W. F. WHITCHER,
Commissioner of Fisheries

AGENTS, READ THIS.

We will pay Agents a salary of \$100 per month and expenses, or allow a large commission to sell our new and wonderful inventions. We mean what we say. Sample free. Address,

SHERMAN & CO., Marshall, Mich.

\$77 a Month and expenses guaranteed to Agents. Outfit free. SHAW & CO., AUGUSTA, MAINE.

60 CHROMO, MOTTO, Gilt-Edge & Lilly cards, with name, 10c. Globe Print Co., Northford, Ct.

D. MORRICE & CO.,
Ice Dealers,

24 VICTORIA SQUARE.

Prompt Delivery and Pure Ice.

NEW AND BEST BOOK ON BUILDING.

PALLISER'S MODEL HOMES—Profusely illustrated, pretty plans, and full information on Building. Price \$1, post-paid. Address PALLISER, PALLISER & CO., Architects, Bridgeport, Conn., U.S. For Sale by all Booksellers. DAWSON BROS., Montreal, Trade Agents.



NOTICE TO CONTRACTORS.

SEALED TENDERS, addressed to the undersigned will be received at this office until

SATURDAY, THE 19TH APRIL NEXT, inclusively, for the construction and fitting up of a heating apparatus at the Departmental Buildings, in course of construction, at Quebec.

The plans and specification of the work may be seen at this office, every day after the 26th instant, between the hours of 10 a.m. and 4 p.m.

The Tenders must be endorsed, "Tender for a Heating Apparatus."

The Department will not be bound to accept the lowest or any of the Tenders.

(By order)

ERNEST GAGNON,

Secretary.

Department of Agriculture and Public Works, Quebec, 14th March, 1879.

N.B.—No reproduction unless by special written order.

25 Fashionable Visiting Cards—two alike, with name, 10c. Nassau Card Co., Nassau, N.Y.

THE COOK'S FRIEND

BAKING POWDER

Has become a HOUSEHOLD WORD in the land, and is

HOUSEHOLD NECESSITY

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

THE COOK'S FRIEND

SAVETIME.

IT SAVES TEMPER.

IT SAVES MONEY.

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

W. D. McLAREN, UNION MILLS.

17-19-52-362

55 College Street.

IMPORTANT NOTICE.

THE Burland-Desbarats Lithographic Co.
5 & 7 BLEURY ST.,

Begs to inform the BANKERS, MERCHANTS and BUSINESS MEN of the Dominion, that their large establishment is now in full operation, and that they are prepared to do all kinds of

ENGRAVING, ELECTROTYPING, STEREOTYPING, LITHOGRAPHING and TYPE PRINTING.

Photo-Electrotyping & Wood Engraving

IN THE BEST STYLE, AND AT LOW PRICES.

Special attention given to the reproduction by

Photo-Lithography

OF

MAPS, PLANS, PICTURES OR BOOKS OF ANY KIND.

From the facilities at their command, and the completeness of their establishment, the Company feel confident of giving satisfaction to all who entrust them with their orders.

G. B. BURLAND, Manager.

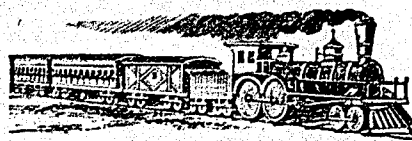
TO LET.

In those central premises forming the corner of Bleury and Craig Streets, and in the adjacent house on Craig Street—

OFFICES, double and single. FLATS, admirably adapted for light manufacturing business, with or without steam power. Rent moderate. Apply to

G. B. BURLAND,

No. 7 Bleury Street.



Q. M. O. & O. RAILWAY.

NOTICE

Is hereby given that the Government of Quebec will apply during the present session of the Dominion Parliament, to have vested in it all the rights and powers held by the Montreal, Ottawa & Western Railway Company with respect to bridging the Ottawa River, at or near the City of Ottawa, and for power to obtain and hold in the Province of Ontario the lands necessary for purposes in connection with the Provincial Railway system of the Province of Quebec.

Quebec, February 13, 1879.

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-DESBARATS LITH. 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, 25 cts. per line; for six months, 45 cts. per line; for one year, 75 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. 50 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 Manufactories, Foundries, and Machine Shops, and particularly to Inventors, is therefore apparent.

JUST PUBLISHED

CHISHOLM'S ALL-ROUND ROUTE AND PANORAMIC GUIDE OF THE ST. LAWRENCE,

With corrections to date. It contains full descriptions of the points of interest on the "All Round Route," including Hudson River, Trenton and Niagara Falls, Toronto, Ottawa, Montreal, Quebec, Saguenay River, White Mountains, Portland, Boston, New York. It is profusely illustrated, and is furnished with maps of the Route, and a fine panoramic view of the St. Lawrence River. For sale by booksellers and news agents. Sent post-paid to any address on receipt of the price, 50 cts.

C. R. CHISHOLM & BROS.,

179 Bonaventure street, Montreal

26-52-373

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.

25 FANCY CARDS with Name 10c. Plain or Gold, Agents' Outfit 10c. 150 Styles. Hull & Co., Hudson, N.Y.

For Blanc-mange, Puddings, Custards,
Children's and Invalids' Diet,
And all the uses of Arrowroot.

Durham Corn Flour!!

Has a World-wide reputation,
And is distinguished for
Uniformly Superior Quality.

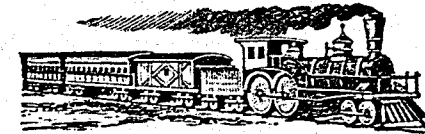
ROWNTREE'S ROCK COCOA.

Being Pure Cocoa will not thicken in the
cup, is therefore a thin, not a thick,
pasty drink.

It is one of the most nutritious and agreeable kinds of food which can be used in liquid form, as whilst admirably suited to the sick, is a luxury to those who are in health.

WM. JOHNSON,

28 St. Francois Xavier St.,
MONTREAL. SOLE AGENT.



Q. M. O. & O. RAILWAY.

Eastern Division.

COMMENCING TUESDAY, FEBRUARY 11th.

Trains will be run on this Division as follows:—

Leave Hochelaga. Arrive in Quebec.

EXPRESS..... 3.00 p.m. 10.10 p.m.

MIXED..... 7.10 a.m. 5.50 p.m.

RETURNING.

Leave Quebec. Arrive in Montreal.

EXPRESS..... 12.45 p.m. 7.30 p.m.

MIXED..... 6.15 p.m. 10.10 a.m.

Trains leave Mile-End Station ten minutes later. Tickets for sale at offices of Starnes, Leve & Alden, Agents, 202 St. James Street, and 155 Notre Dame Street, and at Hochelaga and Mile-End Stations.

J. T. PRINCE,

Gen'l Pass. Agent.

Feby. 7th, 1879.

50 Pertumed Chromo and Lace Cards, name in gold, in fancy case, 15c. Davids & Co., Northford, Ct.



DEPARTMENT OF CROWN LANDS.

QUEBEC, 33rd January, 1879.

NOTICE IS HEREBY GIVEN that His Excellency the Lieutenant-Governor has been pleased by Order in Council, dated the 20th January inst., to add the following clause to the Timber Regulations:

All persons are hereby strictly forbidden, unless they may have previously obtained a special authorization to that effect from the Commissioner of Crown Lands or from his Agents, to settle, squat, clear or chop on Lots in Unsurveyed Territory, or on Surveyed Lands not yet open for sale, or to cut down any merchantable trees which may be found thereon, comprised within the limits of this Province, and forming portions of the locations granted in virtue of licenses for the cutting of timber thereon; said timber being the exclusive property of the holders of said licenses, who have the exclusive right to enter actions against any person or persons who may be found violating this order.

F. LANGELIER,

Commissioner of C. L.

CHEAPEST AND BEST.



JOHN DOUGALL & SON,

218 and 220, St. James Street, Montreal.

Electrotyping and Job Printing, Chromatic and plain.