SUCCESS OF SERVICE SERVICES OF SERVICES OF

## **Bridge Over** Fraser River

Plans and Specifications Complete and Ready For Inspection by Tenderers.

Double Deck Structure Which Will Accommodate All Classes of Traffic.

The difficulty regarding the plans for the New Westminster bridge between His Majesty custems and the Depart-ment of Lands and Works, having been satisfactorily settled, the plans and speci-fications for the structure were opened for the inspection of tenderers yester-day. The time for receiving tenders has been extended up to and including Janu-vary 25 1902

The general description of the work is as follows:

The bridge will be located in the city of New Westminster, the bridge tangent being placed about where a continuation of Dufferin street would strike the bank of the Fraser river. The tangent will be as nearly as possible at right angles to the direction of the current. The bridge will cross overhead the track of the Canadian Pacific railway on the New Westminster side of the river, and that of the Great Northern on the South Westminster side, both tracks being close to the river's banks.

The bridge will be a "double decker" carrying wagon and pedestrian traffic on the upper deck and steam and electric railway traffic on the lower deck. At a point on the lower deck about 300 feet from the water's edge on the New Westminster side, the railway track divides, turning to night and left on 12 degrees 30 minutes curves, thus forming a Thead. On this account the shore span, while only 19 feet wide between centres of pedestals over pier No. 2. Beginning at pier No. 2, and proceeding toward the south bank of the river, there will be the following spaces: One through fixed span of 380 feet, one through sixed span of 380 feet, five through swing span of 380 feet, five through swing span of 380 feet, five through swing span of 380 feet, one through sixed spans of 159 feet each. Next there will be rwooden trestle carrying separately highway, railway and motor traffic, and extending across the Great Northern track.

Beginning at pier No. 2 and proceeding toward the north or New Westminster bank of the river, there will be rwooden trestle carrying separately highway, railway and motor traffic, and extending across the Great Northern track.

Beginning at pier No. 2 and proceeding toward the north or New Westminster bank of the river, there will be the following spans: East arm of T.—two deck, plate girder, skew span of 35 feet, one deck, plate girder, skew span of 55 feet, one deck, plate girder, skew span of 40 feet.

Highway Structure—One deck, plate girder, the plate gird

thone deck, plate girder, skew span 40 feet.
Lighway Structure—One deck, plate lier, span of 98 feet, two deck, plate ler, spans of 40 feet each.
Lighway spans that cross the railway ck and for the three highway spans the north end of the structure, othere all spans will be supported on marry or concrete piers and abutments. The clear roadway for both railway it the highway will be 16 feet, thus king the perpendicular distance becen central planes of trusses 19 feet the 380 feet spans and 18 feet for 159 foot spans.
The swing span is to be operated by a horse power gasoline engine located.

tractor will be required to pay his workmen at the rates of wages current at
the time the contract is closed. No Asiatic labor of any kind will under any circumstances be permitted on the work.
The consulting engineers have obtained
by investigation the following rates of
wages at New Westminster for the summer of 1901, but each bidder must verify
them for himself, as the government
cannot be bound in any way by the
information thus given.
common labor, \$2 per day of nine
hours.

Masons and stonecutters, \$4 per day of eight hours.

Blacksmiths, \$2 to \$2.50 per day of eight hours.

Blacksmiths he bers, \$1.50.

Boiler makers, \$2.75.

Holders-up, \$1.75 to \$2.00.

Boiler makers helpers, \$1.75.

Heaters, \$2.50.

The substructure will be of the most substantial and permanent description. Beginning at the New Westminster end there will be three abutments, two of them having long wing walls. These are to be either of concrete or masonry. There will be 11 piers which will consist of concrete or first class masonry, resting on timber cribs filled with piles and concrete. The piles will have to be sunk by a combined hammer, and powerful water jet. Their length will be from 60 to 75 feet.

The entire work must be finished on or hefore February 1, 1903, barring accidents. The successful tenderer will be required to furnish a satisfactory bond in the sum of \$50,000 for the due performance of the work.

The appearance of the bridge, according to the plans, gives more of an impression of strength and solidity than or ornament. Designers of steel bridges may see beauty in the lives of their creations but to the ordinary observer they present a grim and tar from attractvic aspect. The Fraser river bridge is designed on the most approved principles and care has been taken that every detail of its construction shall be as perfect and enduring as modern engineering skill can suggest.

THE SUFFERINGS OF JOB.

If the agonies of Job were any worse than the tortures of itching piles from which so many people are now suffering he had much to endure. The difference is that there is no reason for any one to endure the miseries of piles for a single day. Dr. Chase's Ointment has curred tens of thousands of cases, and is absolutely guaranteed to cure each and ers or by mail from Edmanson, Bates & every case of piles. 60 cents at all dealers, or by mail from Edmanson, Bates & Co., Toronto.

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PRICE OF COPPER.

Rio Tinto Too Strong for Rockefeller to Fight.

London, Dec. 13.—The directors of the Rio Tinto company have been meeting here daily, though quite informally, since the copper crisis became acute. A reporter of the Associated Press was officially informed after today's meeting that whatever settlement may be arrived at now lies entirely with the amalgamated company. The Rio Tinto company has made a proposition, but so far has received no indication of the action the amalgamated company proposes to take. A feeling prevails that the conditions will not be altered in the immediate future.

The Pail Mail Carette core that

The Pall Mall Gazette says that if Mr. Rockefeller has really thrown down the gamulet to the Rothschilds, which the paper thinks improbable, there can

be little doubt of the Rothschilds vic-tory. The Pall Mall Gazette adds: "The Bio Tinto company are in the position to regard with equanimity a further drop of twenty shillings per ton, but not so the Standard Oil company, who have to consider the possibility of a general smash of the American market."

Rio Tintos fell three-eighths at the opening today, but subsequently regain-ed this and slightly improved on last night's price.

Make a note of it, when you are leaving home to buy "The D. & L." Menthol Plaster. It is guaranteed to cure the worst case of backache, headache, stitches. Avoid everything said to be just as good. Get the genuine made by Davis & Lawrence Co., Irid.

or within about a milion dollars of the circulation of the Bank of Montreal. Public deposits have grown to \$51,679,-

TO JOIN CHURCH.

Montreal, Dec. 13.—T. B. Brown, a well known business man of this city, has decided to accept the pastorate of the Baptist church at Sherbrooke, Que. He will give up business and enter the ministry. His ordination will take off ons and stonecutters, \$4 per day of ministry. His or place in January.

OFF FOR HALIFAX.

Ontario and Quebec Troopers Pass Lewis.

Quebec, Dec. 13.—A special on the Intercolonial with Ontario and Montreal men for the Mounted Riffes on board, reached Lewis at 3:40 this afternoon, Fourteen Quebec men joined the train, which left in a few minutes for Halifes.

MRS. McCARTHY HELD UP. Toronto Street Robber Grabs Her Purse and Bolts

Toronto, Dec. 13.—(Special)—As Mrs. Dalton McCarthy alighted from the belt line car at Sussex avenue, last night, a man grabbed her arm and snatched away her muff, which contained her purse. The miscreant bolted down a nearby lane and got away.

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## Survivors of The Matteawan

Manzanita Leaves For Distruction Island Where Signals of Distress Were Seen.

Missing Collier Sighted Laboring Heavily During Gale of December Third

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San Francisco, kept a close look-out for her, but saw no signs of the missing craft and the steamer City of Puebla due today, was also instructed to keep a sharp look out. Five other steamers are taking special courses between the Straits and San Francisco in the hope that they may find the vessel, should she be still affoat and disabled. Those steamers are the Washtenaw and Progreso and the Asuncion, bound horth, and the South Portland and the Edith, bound south.

Among the wreckage that was found along the northern coast was a medicine chest with the name of the missing steamer painted on it. This chest was carried in the captain's room in the

TELEGRAPH OPERATORS. Movement on Foot to Equalize Wage on Canadian Systems.

TUNNEL VENTILATION.

From the Lancet.

There is no doubt that the measures adopted on the Central London railway for the ventilation of the "tube" are, in face of the enormous number of people daily traveling on the line, inadequate. We pointed out some time ago that it is well known that the air of the "tube" has not grown pleasanter as the popularity of the system has increased. Even on passing the booking offices of the stations or the lift exits an unpleasant sickly whiff is experienced. Our remarks are now fully borne out by the results of a series of interesting experiments made by Mr. A. Wynter Blyth, the medical officer of health of St. Marylebone, and his son.

VICTUMS OF THE STORM. Leyland Brothers Puts in to San Fran

Jacobies and the storms that she became help-less in the storms that she raped along the northern coast for the past two weeks.

Insurance men have little hope for the vessel ever being seen again. Yesterday reinsurance was quoted at 70 per caminad no one was willing to take the gain the past two mentals and the lower foretop sally and and the main of the past two mentals and the lower foretop sally and and the main of the past two mentals and the lower foretop sally were carried away. Sight deck damage was also done. Upon the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods. The past past and foretop salls were carried away. Sight deck damage was also done. Upon the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few methods and the lower foretop sally and the main of the past few moil speak a word of English, and when the sall sall sall sally the Ferendimen were all the sally the ferendimen w

Current Works Channel Under the Bark Ernest Reyer.

A' despatch from Hoquian says the cause of the breaking up of the French bark Ernest Reyer on the beach at the

No substitute for "The D. & L." Menthal Plaster, although some unscrupulous dealers may say there is. Recommended by doctors, by hospitals, by the clergy, by averybody, for stiffness, pleuriev. &c. Made by Davis & Lawrence Co., Ltd.

SEASONABLE APPOINTMENT. Ottawa Dec. 13—(Special)—Senator Snowball is to be the next lieutenant-governor of New Brunswick.

**Burned to Death** In Their Shack

Mrs. Keeler and Child Lose Their Lives in Fire at Ross Bay.

Old Man Escapes in His Night Clothes Just in Time.

family went out to Cedar Hill district, and after Mr. Gray lost his life by falling over the cliff on Dallas road, they moved to his cabin amongst the clump of trees facing the roadway, half-way down the hill from Clover point to Ross Bay cemetery.

ABSURD MAIL REGULATIONS.

Asstralian's Invention Put to a Practitical Test.

Parcels Must Go to Vancouver to Be Despatched on Outdound Steamers From Victoria.

The ridiculous mail regulations enforced in this city—a feature of which was recorded yesterday morning regarding the delay of Northern mails—is again illustrated in the matter of the rules governing parcels forwarded by mail. As in the case of the Northern mails, kancouver is made the distributing point, and although steamers may sail from Victoria with the mail, that mail, when it is classed as parcel post, caumot be put on beard the steamer here. It must be send to Vancouver and the regulations of the parcels mailed at the Victoria not of the parcels mailed at the Victoria not of the parcels mailed at the Victoria post office later than Thursday evening, as those 'mailed yesterday extending the put on beard the victoria post office later than Thursday evening, as those 'mailed yesterday extending the put of the Authodes she carried none of the parcels mailed at the Victoria post office later than Thursday evening, as those 'mailed yesterday extending the put of the parcels mailed at the Victoria post office later than Thursday evening, as those 'mailed yesterday extending the put of the parcels mailed at the Victoria post office later than Thursday evening, as those 'mailed yesterday exting the put of the parcels mailed at the Victoria post office later than Thursday evening, as those 'mailed yesterday benefit to the put of the postal armagnements' Victoria is better than the Lee-Emfield. It is many seemed that the put of the postal armagnements' Victoria is a put of the

hours before the mail she brought from the North, owing to its delay at Vancouve.

REPORT ON LE ROI.

Mr. Frecheville's Opinion on the Property—Value of Ore in Sight.

The report of R. J. Frecheville, to the directors of the Le Roi mine, has been made public. It shows that the gross, value of the ore in sight is \$5,687,000, and that there is enough ore now in sight to give a net profit of \$1,221,000. The tonnage in reserve is estimated at 484, and on the lowest level the is about the normal rate of shipment, there is enough ore in sight to keep the mine running for two years, even though no fresh ore supplies are opened. Mr. Frecheville says that on the lowest level there is an ore body 24 feet wide, averaging \$15 a ton. The average value of all the ore in the mine is \$11.75 a ton, and that the total cost of treating it in future should be not more than \$9.

Mr. Frecheville further says: "Auditors make the profit from mine and smelting works for the year ending June 30, \$585,000. This was used for improvements. All the plant is first class. I estimate the reserve of ore at the initial case above the 900-foot level, 484, con the first of the state of the sta

Need of a "Sunshine" Furnace.



When the price of coal goes this high the need of an economical furnace is felt.

The "SUNSHINE" is the result of half a century of furnace-study, and embodies every fuel-saving device that long

If there ever was a specific for any one complaint, then Carter's Little Liver Pills are a specific for sick headache, and every woman should know this. Only one pill a dose. Try them.

NEW MAGAZINE RIFLE. Australian's Invention Put to a Practitical Test.



NEW CATHOLIC PRAYER BOOKS

Pope Stationery Co.

Prepared from the finest selected Cocoa, and distinguished everywhere for Delicacy of flavour, Superior quality, and highly Nutritive properties. Sold in quarter-pount tims, labelled JAMES MPPs & Go., Ltd., Homeopathic Chemists, London, Hingland.

EPPS'S COCO.

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