

THE NEW BRIDGE.

The plans for the bridge and its approaches have been prepared by Mr. James Francess, the eminent English engineer, assisted by Mr. A. L. Light, M. B. C. E., Government Engineer of the Province of Quebec.

The St. Lawrence, at the point selected for the bridge is comparatively narrow, the

width from shore to shore

being 200 feet. But the great depth of water prevents the construction of piers in the centre, hence the new cantilever principle has to be adopted for the support.

Two massive piers of granite masonry will be built at a distance of 400 and 210 feet from the shores of the river in a depth of about 10 feet of water, and on these the enormous cantilever iron work will be erected. The piers will be built sufficiently high to allow the masts of the largest ocean steamers to pass under the centre span. The dimensions of the bridge will be as follows: Length of centre cantilever span, 1412 feet; length of northern shore-pier, 457 feet; length of southern shore span, 187 feet; total length of bridge and approaches, 2060 feet.

HEIGHT FROM HIGH WATER MARK

to bottom of bridge, 150 feet; height of piers above high water, 120 feet; extreme height of top of cantilever above high water, 108 feet. The centre span will be 200 feet shorter than that of the cantilever bridge now being built over the Firth of Forth, which has a span of 1700 feet and a total length of 10,000 feet. The Quebec bridge has been designed for a double track, but for economical reasons this may be altered so as to provide for a single track only.

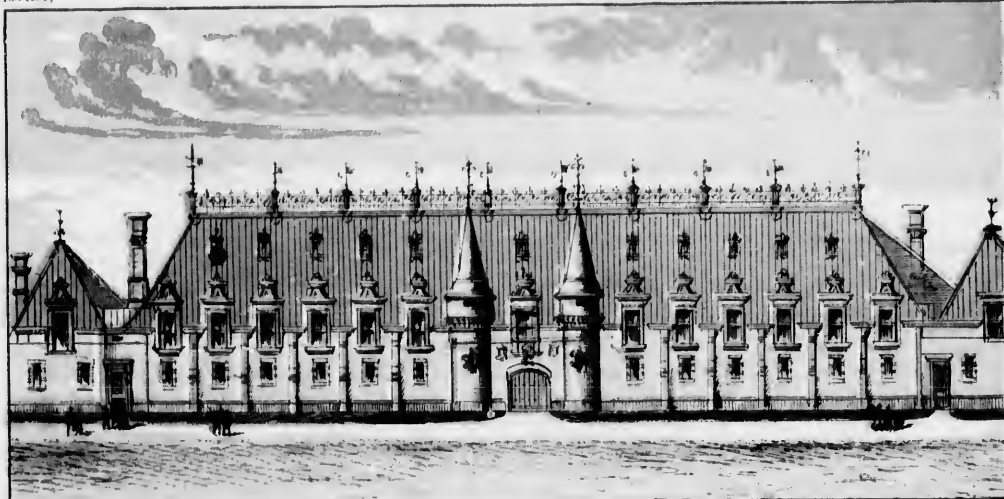
Lack of space prevents our expatiating on the value of this proposed structure which will undoubtedly be completed in the near future.

The engraving of the Quebec (Graving Dock occupies a full page of this paper. It will bear close scrutiny. The Dock is well and strongly constructed, and will compare favorably with similar work in any port of the world. The Commissioners of the Harbor are:—

- P. V. VALRY, Chairman.
- The Honorable THOS. MCGREVEY, M. P.
- R. H. DOBELL.
- JULES FRAPPE.
- WILFRED LEE.
- J. REIL, FOREMAN.

FERDINAND HAMEL.  
R. H. SMITH.  
EDMOND DUBOIS.

Sir Hector L. Langevin, K. C. M. G., C. B., whose portrait adorns this journal, has been Minister of Public Works since 1873. He is the leader of the French Canadian Conservative party, and was born in the City of Quebec, on the 20th of August, 1826. Sir Hector has been a most useful public man, and has occupied nearly all the chief offices of State, except that of Premier. By profession he is a lawyer, but he is known principally to the people as a statesman of superior administrative and executive capacity. He has been Mayor of Quebec, President of the North Shore Railway Company, President of the Canadian Society, President of the Dominion of Canada. For his services in the last important work, the Quebec created him a companion of the Bath. On the 24th May, 1881, Her Majesty raised him to the dignity of Knighthood, in the most distinguished order of St. Michael and St. George. The Pope conferred on him the honor of Knight Commander in the order of St. Gregory the Great. In Parliament, Sir Hector sits for Three Rivers.



NEW DRILL SHED.



SAMPLE ROOM.



DALHOUSIE STREET

WHITEHEAD & TURNER.  
Direct Importers China and Japan Teas, Mediterranean Goods, West India Produce.  
Broom and Brush Manufacturers.

CHAMPLAIN MARKET.

GEST  
TURING  
MENT  
DA.