

Miles from
Montreal

The Quebec Bridge has the longest span of any bridge in the world, its total length being 1,800 feet, or 90 feet longer than that of the famous Forth Bridge.

The centre span was erected at Sillery about three miles below the bridge site. After it had been completely assembled and riveted up, the span was placed on specially constructed scows and thence, guided by tugs, was floated into position under the cantilever arms of the bridge. Many simple spans have been lifted into place where they could be handled from barges with ordinary derricks, but this was the first attempt that was ever made at hoisting a span of such an immense weight and size by hydraulic hoists.

It weighed some 5,000 tons and had to be raised to a height so that there would be a clearance of 150 feet at high water.

As is generally known, the first part of the work had been successfully accomplished and the span raised several feet, when, owing, as was afterwards ascertained, to the failure of a portion of one of the castings in the hoisting apparatus, the span slipped and fell to the bottom of the river.

Nothing daunted, the engineers, having splendid faith in their plans, commenced work on the construction of another span and, adopting the same method of erection, though with extra precautions, had the following year, September, 1917, the privilege of witnessing a complete success to their stupendous undertaking and announcing an engineering triumph of world-wide importance.

The following figures give a vivid idea of its record size, and proportions:

Total length of bridge.....	3,240 ft.
Length of main span.....	1,800 ft.
Length of suspended span.....	640 ft.
Length of cantilever arms.....	1,160 ft.
Length of anchor arms.....	1,030 ft.
Depth of trusses at main pier.....	310 ft.
Depth of trusses at end of cantilever and anchor arms....	70 ft.
Depth of suspended span at centre.....	110 ft.
Width of bridge centre to centre of trusses.....	88 ft.
Clear height of steel work above high water.....	150 ft.
Weight of steel in bridge.....	66,000 tons
Quantity of masonry.....	106,000 cu. yds.
Depth of main piers below high water.....	101 ft.
Height of anchor piers above high water.....	136 ft.

Charny is the junction point of the southern route, formerly known as the Transcontinental with the main line of the Canadian National Railways. The southern route runs by way of Monk, Q., Edmundston, N.B., St. Leonard, N.B., Grand Falls, N.B., Chipman, N.B., to Moncton, N.B., and has opened up a country rich in agricultural, lumbering and sporting possibilities.

- 162.3 **Levis** Alt. 16.0 Population 8,000, a busy place, with many fine educational and religious institutions. The work upon the graving dock is making rapid progress. When completed this dock, 1150 feet in length, will be the largest in the world, capable of docking any ship in the British navy or the largest steamer now afloat. Millions of dollars have been spent by the