

Dominion Bridge Engineers



Shown inset are two Dominion Bridge engineers who worked on these major projects:

Above: **Donald H. Jamieson**, resident engineer on the Granville Bridge, shown with erection diagram of structure. Mr. Jamieson, 38, (B.Eng. U.B.C.) now plant engineer, has held positions as field engineer and erection superintendent at other important projects.

Left: **Claude G. Renaud**, field engineer on the Halifax-Dartmouth Bridge, shown making final check on length of strands for main cable. Mr. Renaud, 33 (B.Eng. McGill) has worked in drawing and design offices and on erection with the Company, before and since graduation.

...Span the Continent!

Not long ago Dominion Bridge engineers were engaged simultaneously in building two of Canada's major bridges—at opposite ends of the country.

The **Halifax-Dartmouth Suspension Bridge**, completed in 1955, is the largest to be built in Canada for 17 years. With its main span of 1447 feet and total length of 4420 feet, it is surpassed only by the Lion's Gate Bridge, Vancouver (longest in the Commonwealth), also built by Dominion Bridge.

The **Granville Bridge, Vancouver**, completed in 1954, is Canada's first eight-lane highway bridge. Of the cantilever type, it has an 88 ft. wide roadway between sidewalks and is capable of handling no less than 4000 vehicles per hour. Length of steelwork: 1773 ft. Longest clear span: 397½ ft.

These projects typify the resources and experience of the company in the field of structural engineering.

Dominion Bridge, an all-Canadian company, is the foremost fabricator in this country of bridges and steel structures.

Less well known is Dominion Bridge's leadership in other engineering fields. Cranes and other handling equipment, hydraulic machinery, boilers for heating and process steam requirements, mining machinery, refinery towers, pulp mill digesters, oil well machinery—these are but a few examples of the diversification of Dominion Bridge operations.

To-day, we have the largest and strongest Canadian force of design engineers in our field. Much of their work is of a pioneering nature, and they are constantly being called upon to solve problems connected with large projects in virtually every type of industry. Theirs is a never-ending challenge.

Build a Future with Dominion Bridge

There are interesting careers awaiting young civil and mechanical engineers in Dominion Bridge Company Limited. With 15 plants from coast to coast, we are now engaged in the largest expansion programme of our 74-year history.

You are cordially invited to write to Mr. W. Hagen, Manager, Robb Engineering Works Limited, Amherst, N.S., for descriptive booklets or further information on any question you may have in mind. Please mention this publication.