

THE DOMINION BRIDGE COMPANY LIMITED, LACHINE, QUE.

SHIPBUILDING BERTH

A portion of the shipbuilding berth made and erected for the Canadian Vickers Company is shown in the photograph on page 79. This plant is situated at Maisonneuve, Que. and was constructed during 1914. The berth itself is a structure 500 feet long (152.4 m) of which only about half is shown erected in the illustration. A width outside columns of 132 feet (40 m) is maintained with a clear height inside from ground to roof truss of 86 feet (26.2 m). As will be seen, the frame of the berth consists of trussed columns carrying a heavy roof truss from which are suspended the runways for the cranes. The main crane runway girders as well as the purlins are built as trusses spanning one main longitudinal bay of 50 feet (15.24 m). There is an extensive system of bracing and side framing, and at the river end a removable sheet steel door made up in 12 feet sections is installed. The supporting verticals can all be taken out and the whole door dismantled to permit the launching of the vessel lying inside the berth. The steelwork in the ship berth building weighed some 4900 tons (4,800,000 kg). The engineering shops for this plant were also built by the Dominion Bridge Company and they comprise Boiler shops, Machine and Erecting shops, and Foundries besides the necessary smaller buildings for storage purposes, power plant and ventilating machinery. They cover an area of 60,000 square feet (56 acres) and include 4265 tons (4,147,000 kg) of structural steel. This plant was all manufactured to the designs and specifications of Sir William Arrol & Co. Limited, of Glasgow.