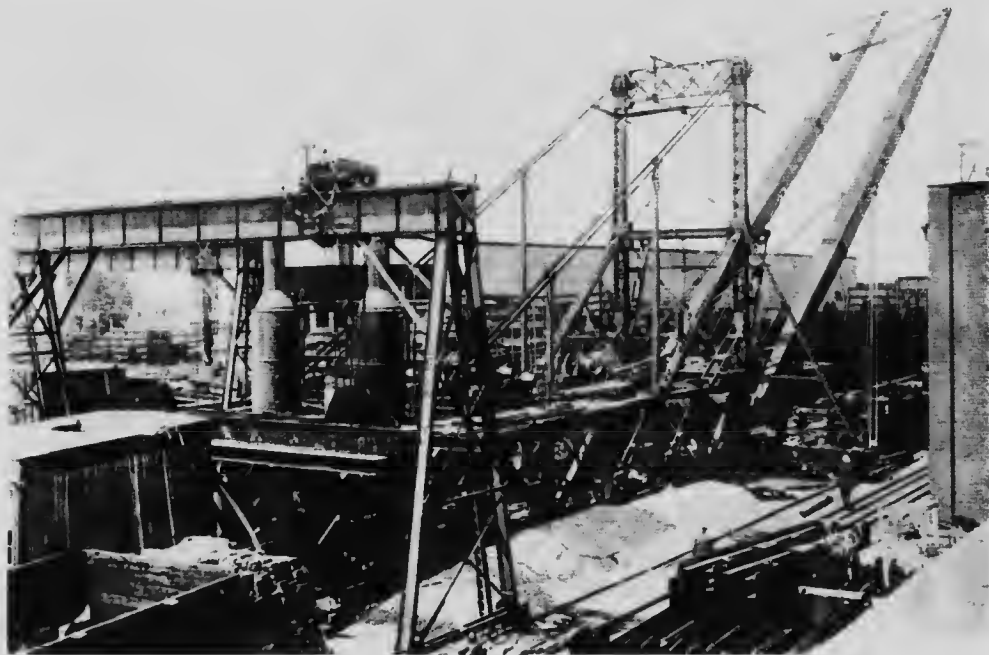


THE DOMINION BRIDGE COMPANY LIMITED, LACHINE, QUE.



2-115 FEET BOOMS

The above cut shows the traveller specially designed and built for the erection of the Little Salmon River Viaduct. The booms were figured to lift one end of a 100 feet girder at 105 feet (32. m) forward reach, that is to say, 8 tons (7,200 kg) per boom, or 10 tons (9,100 kg) each when handling trestle posts 38 feet (11.5 m) from centre line of track. The deck was elevated so that the steel could be brought out underneath on the main track while the traveller ran on heavy special rails placed on the girder flanges 17 feet 6 inches apart (5.331 m). The booms, 115 feet long (35.05 m) between centres of pins, were made of $\frac{1}{4}$ " plate (6.35 mm) 36 inches wide (915 mm) at centre and tapering towards the ends. This traveller gave almost ideal service and only 6 men were required as its crew.