

The Canadian Engineer

A weekly paper for engineers and engineering-contractors

GOVERNMENT WHARF AT WINDSOR, ONT.

LANDING WHARF SIX HUNDRED AND FIFTY-FIVE FEET LONG
RECENTLY COMPLETED FOR THE DEPARTMENT OF PUBLIC
WORKS OF CANADA—GENERAL FEATURES OF ITS DESIGN.

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DURING the years 1913 and 1914 a landing wharf was constructed at Windsor, Ont., by Mr. A. E. Ponsford, of St. Thomas, Ont., under a contract with the Department of Public Works of Canada. This wharf is 655 ft. long, 20 ft. wide, stands 6 ft. 10 ins. above low-water level, and is situated on the channel

reinforced concrete in the form of a slab supported by T-beams extending between the two walls, which form the front and rear of wharf. The slab is 6 ins. thick and is reinforced laterally and longitudinally with round steel. The cross-beams are 24 ins. deep below the slab, 14 ins. wide and are spaced at 4-ft. centres throughout the length

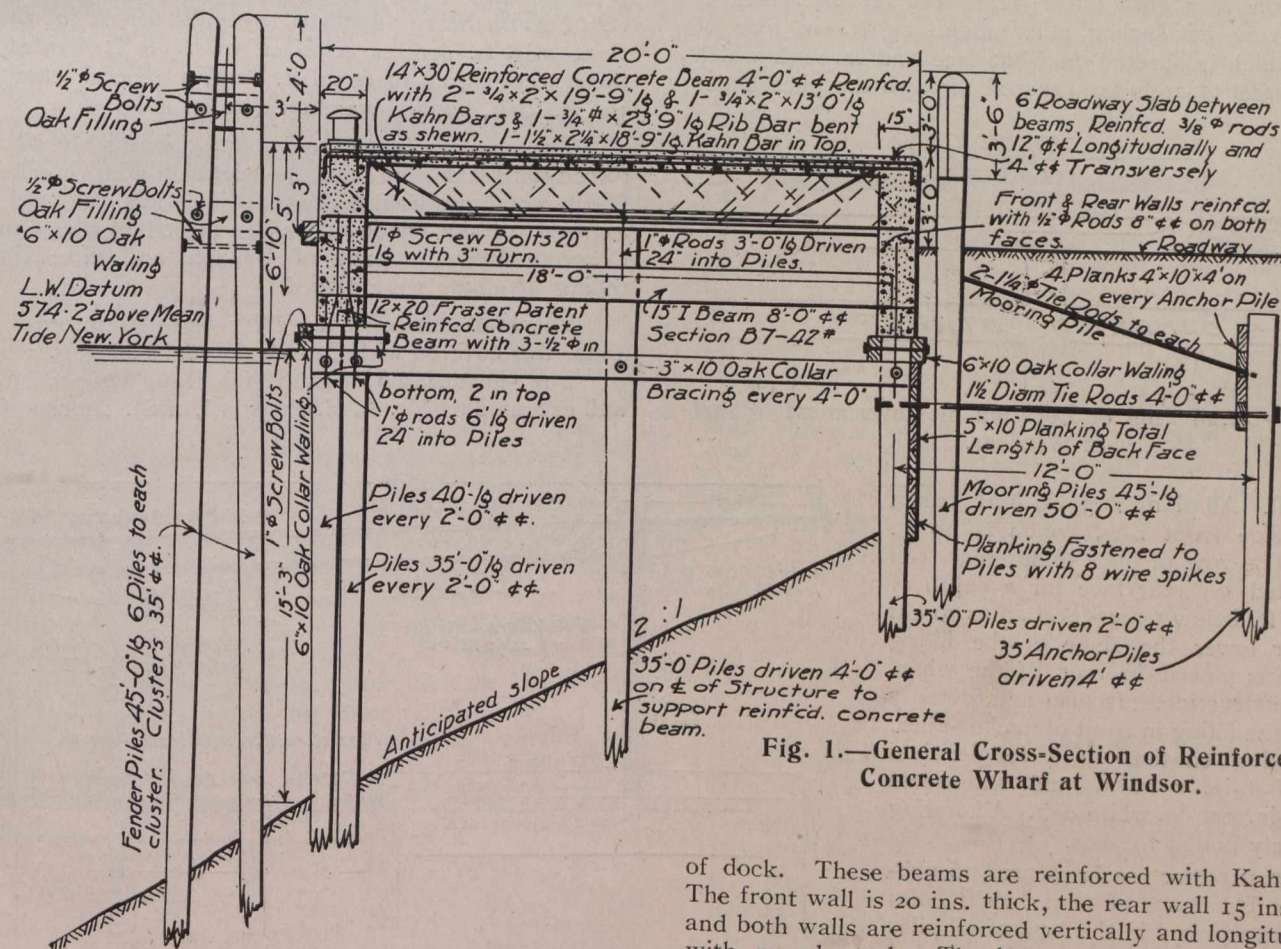


Fig. 1.—General Cross-Section of Reinforced Concrete Wharf at Windsor.

bank of the Detroit River, a short distance downstream from the Detroit and Windsor ferry landing.

On account of the very soft and unstable foundation which was found to obtain at this site, it was decided, after considering various designs, to construct the wharf on a foundation of piles. The superstructure consists of

of dock. These beams are reinforced with Kahn bars. The front wall is 20 ins. thick, the rear wall 15 ins. thick and both walls are reinforced vertically and longitudinally with round steel. The lower part of each wall for a height of 1 ft. consists of footing blocks that were cast on the site of the works in convenient lengths and after proper seasoning were placed on the pile foundation. The use of such footing blocks enabled the placing of forms and the pouring of concrete in walls entirely above water level.