



Steel H Piles (Classic Reprint) (Paperback)

By Bethlehem Steel Corporation

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Steel H Piles
The use of steel bearing piles made from structural shapes started about 1899, although the use of metal piles, both cast-iron and wrought-iron, dates back over 85 years. The earliest steel piles were in the form of I-beams and fabricated sections made from plates and angles. These steel bearing piles were used first in the Middle Western States in what proved to be a successful effort to meet the serious problem caused by the undermining of bridge piers and abutments on pile foundations in compact gravel and sand. These soil conditions limited the depth to which piles other than steel could be driven. It was demonstrated that steel piles could withstand extremely hard driving and could penetrate to depths safely below the scouring action of streams. The steel piles also solved another serious problem by providing the necessary resistance to damage from ice floes. A typical instance of such a condition was the difficulty in providing safe and substantial bridge crossings along the Platte River, in Nebraska. This river is wide but...



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