



An Elementary Treatise on Hoisting Machinery Including the Elements of Crane Construction and Descriptions of the Various Types of Cranes in Use

By Joseph Gregory Horner

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1903 Excerpt: .is noticeable, spur wheels being substituted. This gear answered fairly well for driving slow-running crabs, but with increase in speed, the friction proved excessive, and the advent of the electric cranes rendered the immersion of the worm in an oil bath, and the taking of end thrust with friction washers or ball races, essential. Worm gear is retained on converted travellers, and on new ones of that type, just as on those of ordinary design, for the purpose of transmitting motion of the crab. The difference, however, is, that the older worms were always single threaded, while into later practice the employment of double, and even treble threaded ones has been introduced. The result is that the first are self-sustaining in any position, while in the latter it is possible for the worm to be revolved by the wheel when a load is on. The first...



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