



## The construction of cranes and other lifting machinery

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By Edward Charles Robert Marks

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 56 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1904 edition. Excerpt: . . . 100 and 101 modifications of the loose path are shown, in one of which (fig. 101) they are formed internally. The pressure of the superstructure of the crane upon the path is sufficient to keep it stationary when slewing or rotating under ordinary conditions, but should the mechanism be suddenly stopped or started, the additional stress occasioned, instead of breaking the wheel teeth, or causing failure of some other part of the machine, as has so frequently happened where a fixed path is employed, would simply cause the loose path to revolve slightly upon its seat until the shock had spent itself. It will thus be seen that a loose roller path performs very much the same service for a crane that a safety valve does for a steam boiler. Under ordinary working conditions the loose roller path, like the safety valve, does...



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