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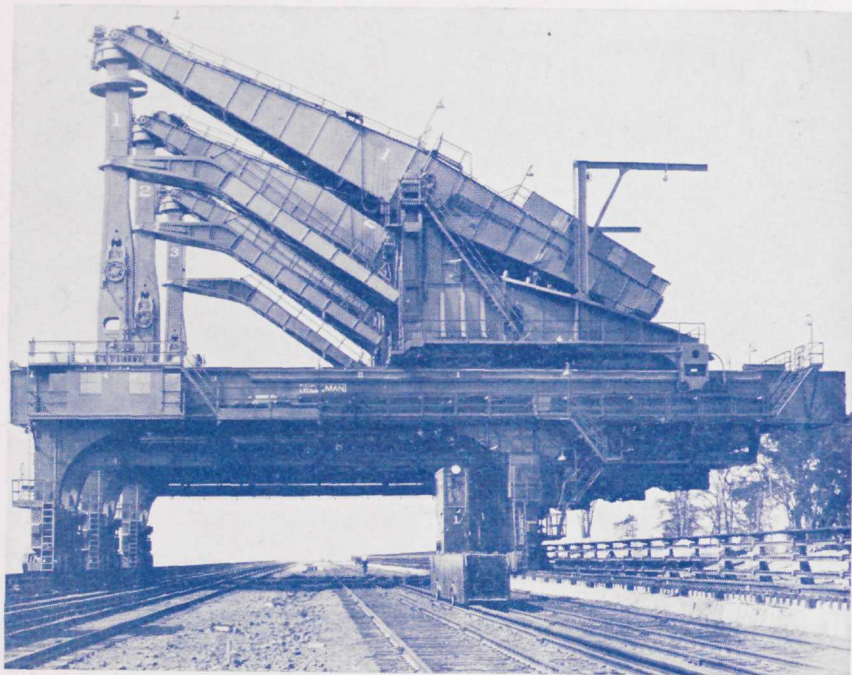
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The
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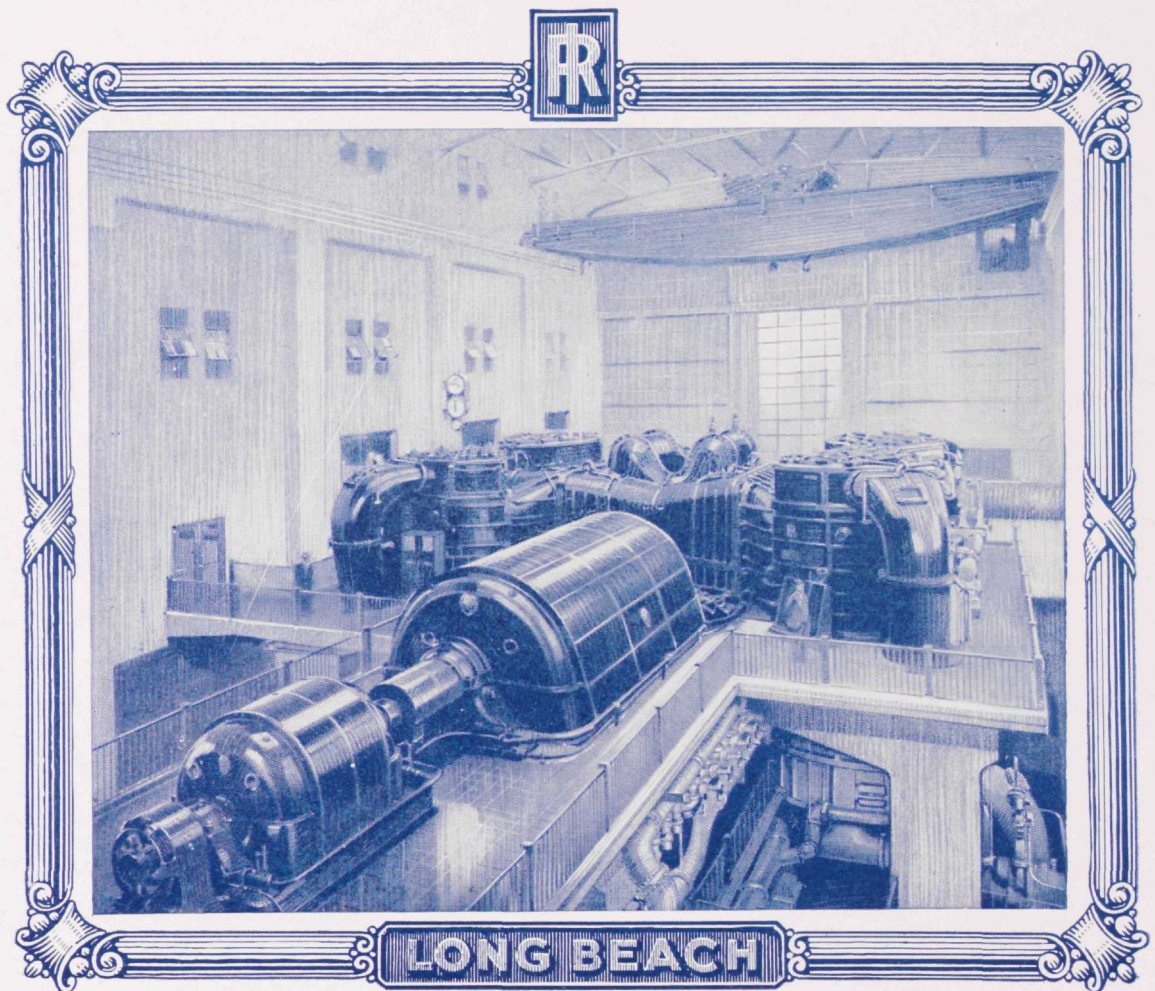


—Courtesy, Power

JANUARY 1931

MEMBER OF ENGINEERING COLLEGE MAGAZINES ASSOCIATED

THE PART PLAYED BY I-R CONDENSERS IN CENTRAL STATION PROGRESS



Four Ingersoll-Rand vertical condensers, having a total condensing surface of 80,000 square feet, serve the 94,000-kw. generating Unit No. 10 in the Long Beach Steam Plant of the Southern California Edison Company. These were the first large-capacity vertical condensers to be arranged for single-pass water circulation.

They have demonstrated their ability to maintain the same efficient performance and high rate of heat transfer that has characterized Ingersoll-Rand Condensers of the more usual horizontal arrangement. This performance has been made possible through the use of the characteristic I-R heart-shaped shell, external air coolers, and longitudinal control of steam flow.

A second unit, duplicating No. 10 shown above, has recently been installed. This unit is also served by four Ingersoll-Rand vertical condensers.

The Long Beach station was designed and built by Stone & Webster Engineering Corporation, under the supervision of the Department of Engineering Design of the Southern California Edison Company.

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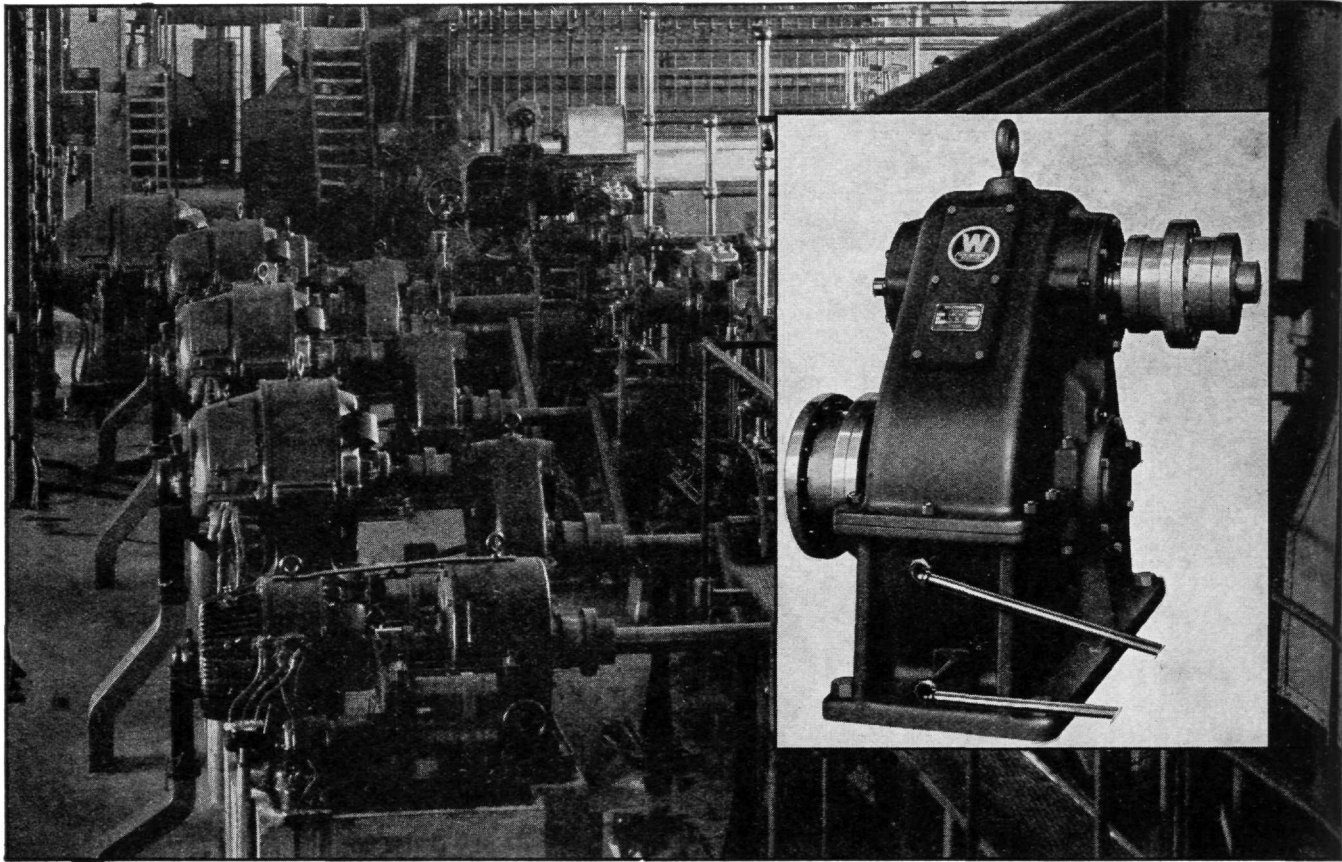
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These Timken Bearings Have Run 70 Times the Life of the Average Automobile

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THE OHIO STATE ENGINEER

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