## NATIONAL ENGINEERING AND TRADE LECTURES. VOLUME II. BRITISH PROGRESS IN PUMPS AND PUMPING ENGINES

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National Engineering and Trade Lectures. Volume II. British Progress in Pumps and Pumping Engines by Philip R. Björling

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# PHILIP R. BJÖRLING

## NATIONAL ENGINEERING AND TRADE LECTURES. VOLUME II. BRITISH PROGRESS IN PUMPS AND PUMPING ENGINES

Trieste

## BRITISH PROGRESS IN PUMPS AND PUMPING ENGINES

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VOL. II.

## NATIONAL ENGINEERING AND TRADE LECTURES

ASSISTED BY THE BOARD OF TRADE, COLONIAL AND FOREIGN OFFICES, COLONIAL GOVERNMENTS, AND LEADING TECHNICAL AND TRADE INSTITUTIONS

EDITED BY BEN H. MORGAN

### VOLUME II

# British Progress in Pumps and Pumping Engines

### BY

## PHILIP R. BJÖRLING

Consulting Engineer, Author of "Pumps and Pumps Motors:" "Pumps : their Construction and Management," etc.

WITH NUMBROUS ILLUSTRATIONS AND A DIRECTORY AND CLASSIFIED LIST OF PUMPS AND PUMPING ENGINES IN GREAT BRITAIN

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