

*"Within the Convenient Reach of American Readers"*

# PLAIN AND REINFORCED CONCRETE ARCHES

By J. MELAN, Professor of Bridge Design at the German Technical School at Prague. Authorised Translation by D. B. STEINMAN, C.E., Ph.D., Professor of Civil Engineering at the University of Idaho.

"—a free and completely Americanized translation. . . . .  
The book is an important addition to the literature of the reinforced concrete arch, and much credit is due the translator for bringing it within the convenient reach of American readers."

The above extract is from a review which appeared in the Engineering Record and expresses the general opinion of this book.

American engineers will welcome this work, as it constitutes one of the most thorough treatments of reinforced concrete arches in any language.

It presents analytic and graphic methods for the complete design of all types of concrete arches occurring in practice. Also discusses the fundamental principles of arches, and gives a comprehensive treatment of the stresses in reinforced concrete sections.

An examination of this book will bear out the above opinion of the Engineering Record. See on approval terms below.

161 pages, 6 x 9, 43 figures. Cloth, \$2.00 net (8s. 6d.).

## What's New in Technical Literature ?

Any engineer is liable to ask this question. The following books are recent publications. Their titles suggest their usefulness to the engineer.

*Conklin*—Structural Steel Drafting and Elementary Design  
160 pages, 6 x 9. Cloth, \$2.50 net (10s. 6d.).

*Raymond*—Railroad Field Manual  
405 pages, 4 $\frac{3}{4}$  x 7. Morocco, \$3.00 net (12s. 6d.).

*Fleming*—Practical Irrigation and Pumping  
242 pages, 6 x 9. Cloth, \$2.00 net (8s. 6d.).

*Moritz*—Working Data for Irrigation Engineers  
395 pages, 6 x 9. Cloth, \$4.00 net (17s.).

*Mills*—Materials of Construction.  
682 pages, 6 x 9. Cloth, \$4.50 net (19s.).

### ON APPROVAL OFFER

Copies of any of these books will be sent on ten days' approval, if the order is accompanied by cash, and if found unsatisfactory may be returned when the money will be promptly refunded.

## A NEW TRANSITION CURVE

*In Both English and Metric Units*

# THE RAILROAD TAPER

By LEE PERKINS, Mem. Am. Rail. Eng. Assoc

Discusses the theory and application of a compound transition curve based upon thirty-foot chords.

It is a series of compound curves, each branch of the curve having a thirty-foot chord. Various tables have been included which enable one to run in this series of compound curves with the ease of running in a simple curve, and from a single setting of the transit.

361 pages, 4 x 6 $\frac{3}{4}$ , 41 figures, 43 tables. Morocco, \$2.50 net (10s. 6d.).

# Renouf Publishing Company

25 MCGILL COLLEGE AVENUE

MONTREAL, CANADA