

### New Books.

**"Proceedings of the Nat'l. Assoc. of Cement Users."** Vol. 4, 1908, edited by President Richard L. Humphrey. Paper, 6 x 9 ins., pp. 458. Tables and illustrations.

The Proceedings of the Fourth Annual Convention of this Association have just been published. The book is well gotten up and neatly bound. Besides a summary of the complete proceedings and the papers read, the book contains the charter, by-laws and a list of members of the Association.

**"Proceedings—Connecticut Society of Civil Engineers, 1908."** Paper, 6 x 9½ ins. 210 pps.

This bound volume has reached us. It is neat and well illustrated, and contains some nine leading articles on the engineering questions of the day.

**"Seepage and Drainage."** By E. Tappan Tannatt and A. P. Anderson. Bulletin No. 65 of the Mont. Ag. College Experiment Station. Paper, 6 x 9 ins. 63 pp. 4 plates and illustrations.

This bulletin deals with the destructive effect of ground waters in the state of Montana due to over irrigation and the seepage of water from the main irrigation canals. The proper way of draining these areas is also dealt with. The bulletin is issued for free distribution to all citizens of the state.

**"Journal of the Western Society of Engineers"**—June, 1908.

No. 3 of Vol. XIII, which has lately been received contains several very interesting articles. The leading ones are: The Wrought Compressive Member for Bridge Trusses, H. E. Horton, M. W. S. E.; Electric Elevators for High Buildings, John D. Ihlder; Test of Cast Iron and Reinforced Concrete Culvert Pipe, A. N. Talbot, M. W. S. E.; Alternators in Parallel, Morgan Brooks, M. W. S. E.

**"Constitution and By-Laws—Architectural League of America."** 3½ x 5 ins. Paper, 24 pp.

The Revised Constitution and By-Laws have been received and acknowledgment is made of the same. The booklet contains also a code for the conduct of competitions.

**"Proceedings—National Fire Protection Association."** Paper, 5¾ x 9. pp. 221.

The Proceedings of the 12th annual meeting held in Chicago have been received neatly bound. It contains a list of members and those present and a report of all the proceedings of the meeting. It is for distribution to members only.

**"The Building Mechanics' Ready Reference."** By H. G. Ritchey, Superintendent of construction U. S. Public Buildings. John Wiley & Sons, New York. 7 x 4½ in. pp. 458. Leather. \$1.50 net.

This book has been prepared by a practical man for practical men. It is written for the ordinary mechanic or worker in cement and concrete, and the author's ideas and information are presented in language and in such a manner that they will be readily understood by the ordinary mechanic. The general substance of the book is as follows:

Cements—Specifications, Tests, Analyses and Strengths.

Concrete — Aggregates, Mixing, Strength, Specifications, Composition and General Notes.

Mortar, Reinforced Concrete, Piles, Forms, Laying Out Work, Short cuts for Doing Work.

Sidewalk Construction, Curbs, Finishing, Effect of Various Actions on Concrete, Uses, Tables for Estimating Work, Excavation Tables.

Blocks—Manufacture, Special Blocks, Special Molds, Castings, Specifications, Building Regulations, Tests.

Lathing, Plaster and Plastering, Patent Plasters, Estimating Tables.

Superintending Construction, Tables.

This book is neatly bound in black leather and makes a convenient and useful pocket book, containing as it does, a great number of tables and valuable information.

**"Designing Methods—Bridges and Culverts for Highway Traffic."** The July number of the series of Designing Methods of Reinforced Concrete Construction being issued monthly by the Expanded Metal and Corrugated Bar Co., Frisco building, St. Louis, contains a discussion of the special problems met with in the design of highway bridges and culverts. The bridges are classified by the loadings to be used. Dead and live loads are discussed and also the standard loadings of cars and traction engines. Formulae and working stresses to be used are given, and brief specifications for labor and materials. Detailed designs for flat slab bridges, box culvert and girder bridges, illustrate the application of the methods suggested.

The August number will contain standard designs for flat slab bridges, box culverts and girder bridges, for the three classifications of loadings adopted in this issue.