

ENGINEER'S LIBRARY

THE CANADIAN ENGINEER'S MONTHLY INDEX OF CIVIL ENGINEERING LITERATURE.

The purpose of this monthly index is: To inform engineers and contractors of the literature published on those subjects in which they are especially interested, the character of the article and the journal in which it appeared. **We do not index in this section articles that appear in The Canadian Engineer.**

Periodicals containing articles indexed, should be ordered direct from the publishers.

LIST OF PERIODICALS INDEXED.

- Canadian Society of Civil Engineers Proceedings.**—(Can. Soc. C. E. Proc.), Montreal, Can., m., 4 x 7 in., 50 cents.
- Canadian Cement and Concrete Review.**—(Can. Cem. and Con. Rev.), Toronto, Ont., m., 9 x 14, 15 cents.
- Contractor.**—(Contr.), Chicago, Ill., bi.-w.; 7 x 10 in., 20 cents.
- Engineering—Contracting.**—(Eng.-Cont.) Chicago, Ill., w.; 9 x 12 in., 10 cents.
- Engineering News.**—(Eng. News), New York, N.Y., w.; 10 x 14 in., 15 cents.
- Engineering Magazine.**—(Eng. Mag.), New York, N.Y., 7 x 10 in., 25 cents.
- Good Roads Magazine.**—(Good Rd. Mag.), New York, U.S.A. 9 x 12 in., M., 10 cents.
- Machinery.**—(Mach.), New York, N.Y., m., 7 x 11 in., 20 cents.
- Municipal Journal and Engineer.**—(Mun. Jl. and Eng.), w., New York, N.Y., 9 x 12, 10 cents.
- Municipal Engineering Magazine.**—(Mun. Eng. Mag.), Indianapolis, Ill., m., 7 x 10 in., 25 cents.
- Power and Engineer.**—(Pow. and Eng.), New York, N.Y., w.; 9 x 12 in., 5 cents.
- Railway Age Gazette.**—(R. R. Age Gaz.), New York, w.; 8 x 11 in., 15 cents.
- Surveyor, The.**—(Sur.), London, Eng., w.; 6 x 11, 10 cents.
- Engineering.**—(Engr.), London, Eng., w.; 12 x 15 in., 15 cents.

*Illustrated.

CONCRETE AND REINFORCED CONCRETE.

- Stresses in Concrete Beams.***—2½ pp. Eng.-Cont., Nov. 10. An article by Professor Gaetano Lanza and Lawrence S. Smith, comparing experimental results obtained from the use of three theories of distributed stresses.
- Concrete Viaduct.***—2½ pp. R. R. Age, Nov. 26; photos and dimension drawings with descriptive article on reinforced concrete viaduct at Rotterdam.
- White Portland Cement.***—Can. Cem. & Con. Review, 4 pp. Facts regarding its manufacture at Clayton, Mass., and its adaptation as a finishing surface to various materials.

RAILWAYS.

- Valuation of Railway Properties.***—4 pp., R. R. Age, Nov. 19; the author, Robt. Yates, takes up item by item the various departments of the railroad and analyses a system for their valuation.

SEWAGE AND WATERWORKS.

Hydraulic Work.*—2 pp., Power and Eng., Nov. 9. W. Burns on plungers, valves, and frames for hydraulic jacks; manner of testing; making and treatment of cup leathers; gutta percha forms.

Centrifugal Pumps.*—4½ pp., Power and Eng., Nov. 23, a study of three methods used to find efficiency of centrifugal pumps.

Water Purification.*—2½ pp., Mun. Jl. & Eng., Nov. 10; a description of the purification works at Wilmington, Del.

Storm Water Sewers.*—2½ pp., Mun. Jl. & Eng., Nov. 10. Methods, formulae and data used in calculation capacity of storm water sewers in New York.

Pumping Plant and Filters.*—5 pp., Pow. & Eng., Nov. 16. Describes Torresdale centrifugal pumping station and large filter plant.

ROADWAYS AND PAVEMENTS

Roadway Crowns.*—1½ pp., Mun. Jl. & Eng., Nov. 17; a plea for simple statements in place of formulae.

Mountain Road-building.*—5 pp., Good Road Mag. Describes construction of road to and up Mount Rainier.

LIGHT, HEAT, AND POWER

Steam Boilers.*—3 pp., Pow. & Eng., Nov. 16. Telling what should be done to render safe and keep in good condition small boilers.

MISCELLANEOUS.

Cost of Erecting Steel Smoke-stack.*—½ p. Eng.-Cont., Nov. 10. Method and cost of erecting a sixty-six inch by a hundred and sixty foot steel stack in one piece.

Stadia Rod.*—½ p., Eng.-Cont., Nov. 17; design and method of constructing a stadia rod, divided to tenths.

Manhattan Bridge.*—9 pp., Eng.-News, Oct. 14; a copy of Ralph Modjeska's report on the design and construction of the Manhattan Bridge over East River, New York.

Bridge Construction.*—2½ p.p., Cont., Nov. 15; dealing with method of bridge construction and erection.

Broadway Street Bridge.*—7 pp., Eng. News, Nov. 25; describing the design and giving particulars of erection and test of this bridge.

BOOK REVIEWS.

Books reviewed in these columns may be secured from the Book Department, Canadian Engineer, 62 Church Street, Toronto.

Pocket Companion, containing useful information regarding the use of iron and steel, for engineers, architects, and builders; leather bound, gilt edges, 300 pages pocket size. Carnegie Steel Company, Pittsburgh, Pa.; Mr. T. Guilford Smith, manager of sales, 208 Ellicott Square, Buffalo, N.Y., U.S.A., together with a seventy-page supplement, Part I., of which contains corrections and additions to the data published in the above company's well-known shape book of 1903. Part II. of the supplement includes many new sections and several tables of weights not given in the larger publication, which contains a host of information on angles, beams, channels and steel work generally, as well as tables of properties and new tables of safe loads for channel columns.

Standard Steel Construction, 1908, revised by Mr. F. L. Garlinghouse. C.E., member A.S.C.E., and published by the