

- \$ 3.50; paper, \$ 2.50.
- Eight annual report of the Hydro-Electric Power Commission of the Province of Ontario, 1915. 466 P., illustrated, $6\frac{1}{2} \times 9\frac{1}{2}$, paper. Toronto, Canada, Legislative Assembly, A. T. Wilgress, printer.
- Manual of American Steel and Wire Company's process of water purification with sulphate of iron—208 South La Salle St., Chicago, Ill. 152 P., illustrated, 6×9 , paper.
- Port of Seattle Commission, Fourth annual report. Year ending Dec. 31, 1915. 93 P., illustrated, $6 \times 9\frac{1}{4}$, paper. Seattle, Wash., Mechanics Publishing Co.
- Proceedings of second national conference on Concrete Road Building, 1916. 328 P., illustrated, 6×9 , paper. Chicago, J. P. Beck, secretary, 111 West Washington Street.
- Proceedings of the eleventh annual convention of the Mid-West Cement Users' Association, 1916. 93 P., illustrated, 6×9 , paper. Omaha, Neb., Frank Whipperman, secretary-treasurer, Twenty-eighth Avenue and Sahler Street.
- Proceedings of the first International Road Congress held under the Auspices of the Worcester Chamber of Commerce, Dec. 14—17, 1915. Worcester, Mass.: William J. Conlon, general secretary, Worcester Chamber of Commerce. 112 P., 7×10 , paper. Price: 50 cents.
- Proceedings of the thirteenth annual convention of the American Road Builders' Association held at Pittsburg, Penn., Feb. 28 to Mar. 3, 1916, together with reports of the executive secretary and treasurer presented at the annual meeting, Feb. 4, 1916; list of members, etc., New York: American Road Builders' Association. 263 P., 6×9 , paper.
- Publications, United States Geological Survey—Washington, D. C. Paper, 6×9 , illustrated. Water-Supply Paper. No. 332, Surface water-supply of the United States, 1912; Part XII, North Pacific drainage basins—by N. C. Grover, F. F. Henshaw, G. C. Baldwin and W. A. Lamb. 748 P.—No. 383, Surface water supply of the United States, 1914; Part III, Ohio River basin—by N. C. Grover, and A. H. Horton and W. E. Hall. 125 P.—No. 369, Water powers of the Cascade Range; Part III, Yakima River basin—by G. L. Parker and F. B. Storey. 169 P.—No. 398, Ground water in San Joaquin Valley, California—by W. C. Mendenhall, R. B. Dole and Herman Stabler. 310 P.—No. 374, Ground water in the Hartford, Stamford, Salisbury, Wilimantic and Snybrook Areas, Conn. 150 P.—No. 383, Surface water-supply of the United States, 1914, Part III, Ohio River basin. 121 P.
- Triangulation in California, 1913—1915. Washington, D. C.: United States Geological Survey. Bulletin 644-C. Paper, 6×9 , 25—84 P.
- Weights and measures. Report of the tenth annual conference, 1915. 254 P., illustrated, 7×10 , paper. Issued by U. S. Bureau of Standards. Washington, Government Printing Office.

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1. Courbe cycloïdale de distribution des vitesses dans les tuyaux. 22 p.
2. Note sur le calcul des arcs elliptiques encastrés. 12 p.

CASSIER'S ENGINEERING MONTHLY

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1. Steel and iron siphons of the Catskill Aqueduct. 10 p.

Vol. 50. No. 1. July, 1916.

1. The Lethbridge Viaduct. 7 p.
- Vol. 50. No. 2. August, 1916.
1. Railway of Central America. 8 p.
 2. Mechanical soil compression in foundation work. 9 p.
 3. Electric power on the Mississippi. 8 p.

CEMENT WORLD

- Vol. X. No. 3. June 15, 1916.
1. Reinforced concrete "Umbrella" sheds of unit construction. 5 p.
 2. Discussion on costs in block making. 5 p.
- Vol. X. No. 4. July 15, 1916.
1. Applications of wire rope (in concrete work). 5 p.
- Vol. X. No. 5. Aug. 15, 1916.
1. Compressed air and live steam for placing concrete. 8 p.
 2. Rapid design of web reinforcement. 5 p.
 3. Giant concrete blocks. 4½ p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

- Vol. XI. No. 6. June, 1916.
1. Researches on reinforced concrete beams. (Part II), with new formulae for resistance to shear. 13 p.
 2. A code for the construction of concrete roads. 5 p.
- Vol. XI. No. 7. July, 1916.
1. Researches on reinforced concrete beams. (Part III) 12 p.
 2. Apparatus for measuring the wear of concrete roads. 5 p.
- Vol. XI. No. 8. August, 1916.
1. Researches on reinforced concrete beams: (Part III) (continued). 13 p.
 2. Waterworks reservoirs. 6 p.
 3. The new Esk Bridge in Cumberland. 6 p.

ELECTRIC RAILWAY JOURNAL

- Vol. XLVIII. No. 5. July 25, 1916.
1. Rerouteing a traffic of nine cars a minute. 6 p.
- Vol. XLVIII. No. 6. Aug. 5, 1916.
1. Chicago's congested streets. 4 p.
- Vol. XLVIII. No. 7. Aug. 12, 1916.
1. Boston profits by elevated railway station improvements. 6 p.

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 2. The cement gun. 1 p.
- Vol. CI. No. 2633. June 16, 1916.
1. Lift-locks on the Trent Canal, Canada. 4 p.
- Vol. CI. No. 2634. June 23, 1916.
1. Bracket-loads on columns of cross-section. 2 p.
 2. Combined railway and highway Scherzer rolling-lift bridge. 3½ p.

- Vol. CII. No. 2636. July 7, 1916.
1. Fishguard Harbour Works. 4 p.
- Vol. CII. No. 2637. July 14, 1916.
1. The Swedish State hydro-electric power-station at Alfkarleby. 7 p.
2. Roads and paving. 2 p.
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1. The Swedish State hydro-electric power-station at Alfkarleby. 5 p.
- Vol. CII. No. 2639. July 28, 1916.
1. To find graphically the position of unit load giving zero stress in any web member of a girder. 1 p.
2. 40 ton titan block-setting crane. 4 p.
3. Design of a railway pontoon bridge. 2 p.
- Vol. CII. No. 2640. Aug. 4, 1916.
1. Design of a railway pontoon bridge. 4 p.

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1. Building power house and dam on sand. 4 p.
- Vol. 75. No. 25. June 22, 1916.
1. Grit chamber and pump station, Albany Sewage-Works. I. 2½ p.
2. Snowsheds and tunnels on the Great Northern Ry. 2 p.
3. Wheel-load and impact charts for railway bridges. 3½ p.
4. How to appraise water rights. 4 p.
- Vol. 75. No. 26. June 29, 1916.
1. Pitt River reinforced-concrete arch in California. 2 p.
2. New form of end lift used on Chelsea north draw. 2 p.
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4. Investigations for dam and reservoir foundations 6½ p.
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1. Large roller-crest dam, Grand Valley Project, Colorado. 4 p.
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1. Tests of large bridge struts reveal new facts. 4 p.
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3. Air-diffuser experiences with activated-sludge tanks. 4½ p.
4. New tests of bolted joints in timber framing. 5 p.
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1. Cylinder pier foundations laid inside sheet-pile wells. 4 p.
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1. Regulation of weight, size and speed of vehicles has become an all-important problems. 2 p.
 2. Conservation of operating head controls design of Oaklyn (N.J.) Sewage Plant. 1½ p.
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 3. Cheap devices used in reconstructing truss bridges eliminate costly centering. 2 p.
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 3. St. Paul is doing intricate track-elevation work in Chicago with company forces. 2 p.
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1. Smoke abatement and electrification of railway terminals in Chicago. 34 p.
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1. Some experiences in connection with Chicago's street lighting system. 12 p.

LE GÉNIE CIVIL

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1. Le canal de Marseilles au Rhône. Son utilité. La navigation sur le Rhône. 8 p.

2. Le traction électrique en Angleterre. 2 p.
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1. Importance of cost data on day labor work. 6 p.

PROFESSIONAL MEMOIRS

CORPS OF ENGINEERS, UNITED STATES ARMY AND
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