

新刊紹介

土木學會誌 第七卷第四號 大正十年八月

- d'Adhémar, R.—Résistance des matériaux. Un volume in-8° de 186 pages, avec 122 figures. Gauthier-Villars, Paris. Prix: 20 francs.
- Eydoux, D.—Hydraulique générale et appliquée. Un volume grand in-8° de 510 pages, avec 212 figures. J. B. Baillièrre et fils, Paris. Prix: 40 francs.
- Faber, O.—Reinforced concrete design. Vol. II. Practice Longmans, Green & Co., New York and London. 6×9, 246 P., illustrated, cloth. Price: \$ 6.50.
- Geyer, E.—Tabellen zur Berechnung von einfach und doppelt armierten Balken und Platten aus Eisenbeton, mit Hilfstafel für Platten balken. Julius Springer, Berlin. Preis kart. 6 M.
- Guillaume, E.—La Théorie de la Relativité. Librairie F. Rouge & Cie, Lausanne. Prix br. 2 Fr.
- Harger, W. G.—Location, grading and drainage of highways. First edition. 6×9, 294 P., 134 illustrations, cloth. Price: \$ 3.50 net.
- Hayashi, K.—Theorie des tragers auf Elastischer unterlage. Julius Springer, Berlin. 7×10, 301 p., illustrated, paper. Price: paper 40 M., bound 50 M.
- Warren, W. H.—Engineering construction in steel and timber. Part I. 3rd edition. Longmans, Green and Co., New York and London. 6×9, 486 P., illustrated, cloth. Price: \$ 10.
- Weber, H.—Les mathématique de l'élève-ingenier. Un volume (16×25 cm) de XIV-495 P., avec 125 figures. Dunod, Paris. Prix: 45 francs.
- Willotte, H.—Lois mathématique de la resistance des fluides. Théorie de l'hélice. Un volume in-16 de 300 pages, avec figures dans le texte. Gaston Doin, Paris. Prix, Cartonné toile: 12 francs.

新刊紹介
内外諸雜誌主要題目

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工 學

- 第八卷 第六號 (第八拾六號) 大正十年六月十日. 1. 新式唧筒波濤船に就て. 和田忠治. 8 頁.
2. 不等流水路に於ける流水の計算. (三). 平野正雄. 6 頁. 3. 鑿岩機の經濟的價値に就て 川添忠太郎 5 頁. 4. 鐵筋混凝土計算規程に就て. (二). 坂田時和. 10 頁. 5. 帝國の北門敦賀港の擴張の秋. (四). 松浦康秋. 3 頁.
- 第八卷 第七號 (第八拾七號) 大正拾年七月十日. 1. 都市計畫事業の財源餘剩收用に就て. 上田辰三. 7 頁. 2. 鐵筋混凝土計算規程に就て. (三). 坂田時和. 10 頁. 3. 鑿岩機の經濟的價値に就て. (二). 川添忠太郎. 4 頁. 4. 工事用機械器具使用料算定表. 野澤房敬. 5 頁. 5. 帝國の北門敦賀港擴張の秋. (五). 松浦康秋. 9 頁.

工 學 會 誌

- 第四百四十九卷. 大正十年六月十日. 1. 江戸時代住宅建築に關する法令と其影響. 大熊喜邦. 20 頁.

工 業 雜 誌

- 第五十四卷. 第七百壹號. 大正十年六月五日. 1. 銲接手の圖式設計 (完). 湯淺龜一. 3 頁. 2. 東京地下鐵道と東京の地質. (二). 安倍邦衛. 4 頁.

- 第五十四卷 第七百貳號 大正十年六月二十日。 1. 橢圓平板が平等荷物を承けて周縁支持せられたる
ときの強さ。松村鶴造。6頁。 2. 水力工事に利用したる索道に就て。(二) 岡崎保吉。5頁。第
五十四卷 第七百參號 大正十年七月五日。 1. ペルトン水車。(五) 中原淳藏。6頁。 2. 歐米
の地下鐵道。八田嘉明。14頁。

Bulletin of the International Railway Association.

- Vol. III. No. 5. May, 1921. 1. On the question of passenger carriages (Subject VII for dis-
cussion at the ninth Congress of the International Railway Association). By F. De Vargas. 44p.

Canadian Engineer

- Vol. 40. No. 18. May 5, 1921. 1. Filing and recording of plans simplified. By P. E. Doncaster.
2p. 2. Recommended practice for concrete road construction. By B. H. Wait. 5p.
Vol. 40. No. 19. May 12, 1921. 1. Victoria Concrete arch and viaduct, Guelph, Ont. By A. W.
Connor. 2p. 2. Cast iron pipe made by the de Lavaud process. By Peter Gillespie. 2p.
Vol. 40. No. 21. May 26, 1921. 1. Filtration plant for Scarborough township. 4p.

Concrete and Constructional Engineering

- Vol. XVI. No. 5. May, 1921. 1. Stonehenge. An account of the work carried out by H. M.
Office of works. 8p. 2. Five new inventions relating to concrete construction. 6½p. 3.
Reinforced Concrete hangars. 2½p. 4. Circular concrete reservoirs at Leamington, Ontario. 6p.

Electric Railway Journal

- Vol. 57. No. 18. Apr. 30, 1921. 1. The automatic substation in electrolysis mitigation. By
E. R. Shepard. 4p. 2. Methods for rehabilitating track in Massachusetts. 2p.
Vol. 57. No. 19. May 7, 1921. 1. The baby electric railroad in Oklahoma is a buster. 3½p.
Vol. 57. No. 20. May 14, 1921. 1. Recent electric railway developments at Calgary. 4p.
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Vol. 57. No. 22. May 28, 1921. 1. Savings effected by one-man interurban safety Cars. By
C. T. Dehore. 3p. 2. Railway valuation in Connecticut. II. By Archer E. Knowlton. 9p.
Vol. 57. No. 23. June 4, 1921. 1. Developing an electric railroad to attract patronage. 5p.

Engineering

- Vol. CXI. No. 2887. Apr. 29, 1921. 1. Repairs to the structure of the Crystal Palace. 3½p.
2. The building trades exhibition at Olympia. 4p.
Vol. CXI. No. 2888. May 6, 1921. 1. The handling of goods at the port of Manchester
Warehouses. 4p.
Vol. CXI. No. 2889. May 13, 1921. 1. The handling of goods at the port of Manchester
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Engineering News-Record

- Vol. 86. No. 18. May 5, 1921. 1. Concrete dam on Eel River built on shale foundation. 2½p. 2. Efficient plant for handling concrete on Eel River dam. 2½p. 3. Interstate water conflicts and possible solution. 5p. 4. Effect of high temperature fire on concrete building. 4p. 5. Good practice and some features in log-flume construction. By V. K. Woods. 2½p.
- Vol. 86. No. 19. May 12, 1921. 1. A group of articles for the "Average engineer." 11p. 2. New concrete arch survives washout of centers. By C. Leland Wood. 1p. 3. Economics of highway improvements. By H. G. McGee. 4p. 4. Levee settlement causes seepage under pump house. 1p. 5. An analysis of the current valuation report on the Kansas City Southern properties. By Samuel W. Moore. 3½p. 6. Tunnel building in Nicaraguan jungles. By H. L. Thackwell. 2½p.
- Vol. 86. No. 20. May 19, 1921. 1. Long arch bridge built of slag concrete. By W. C. Fry. 4p. 2. Residual aluminum compounds in filter effluents. 1½p. 3. Proposed improvement of Chicago Railway terminals. 2p. 4. Concrete wireless tower 672 ft. high in Japan. 1p.
- Vol. 86. No. 21. May 26, 1921. 1. Arizona county undertakes 300-mile paved road system. By Ralph Rollins. 4p. 2. Pivoted jacks to prevent rotation of tunnel shields. 1p. 3. Concrete sea wall poured in block sections by tremie. 4p. 4. Planning for Houdson River bridge at New York City. 1½p.
- Vol. 86. No. 23. June 9, 1921. 1. Clam shell dredges of large size on the Sacramento. 3p. 2. Sewage treatment plant for calumet region of Chicago sanitary district. By Langdom Pearse. 3p.

Engineering World

- Vol. 18. No. 5. May, 1921. 1. Water supply for Phoenix, Ariz. By W. A. Scott. 6½p. 2. Industrial building design an important factor. By Albert M. Wolf. 1p. 3. Measuring water flow for power purposes. By N. R. Gibson. 2½p. 4. Successful test of Miami Germantown dam. 1p. 5. Specifications for stone ballast are adopted. 1p.
- Vol. 18. No. 6. June, 1921. 1. Roosevelt road viaduct, Chicago. By Morris Grodsky. 6p. 2. Progress in investigation of alkali action on concrete. By E. C. Debb. 2½p. 3. Sewage disposal for country homes. By E. M. Wilkie. 4p.

Highway Engineer and Contractor

- Vol. 4. No. 5. May, 1921. 1. Aero-photographs and highways. By E. H. Corlett. 4p. 2. Justifiable first cost of highways. By J. E. Penny-backer. 2½p. 3. Suggestions for asphalt paving, contractors Part I. By Henry B. Drown. 6p. 4. Highway maintenance by dust prevention, By S. W. Putnam. 2½p.
- Vol. 4. No. 6. June, 1921. 1. Arizona county builds concrete highways on Magnificent scale. By W. A. Scott. 7p. 2. Granite block pavement construction. By James J. Tobin. 5p.

Journal of the Western Society of Engineers

- Vol. XXVI. No. 4. April, 1921. 1. The influence of commodity price movement upon public utility valuations. By H. R. Allensworth. 32p.
- Vol. XXVI. No. 5. May, 1921. 1. The Illinois waterway, M. G. Barnes. 19p.

La Houille Blanche

- 20^e Année. No. 51-52. Mars-Avril 1921. 1. La Géologie et l'Aménagement hydroélectrique des Chutes d'eau. par W. Kilian. 4p. 2. L'Aménagement du Rhône. 4p. 3. Construction et applications de Dispositifs de Barrages toautomatiques. par E. Froté. 4p.

Le Génie Civil

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- Tome LXXVIII. No. 17.** 23 Avril 1921. 1. Transport et lancement par le travers de coques de 1,000 tonnes suivant les procédés Freyssinet. Par H. D. Lauriston. 5p. 2. Comparaison entre les divers systèmes de traction électrique susceptibles d'être utilisés les grands réseaux français. 2½d. 3. Les irrigations de la vallée du Río Negro (Argentine) et le barrage de Neuquén. 1½p.
- Tome LXXVIII. No. 18.** 30 Avril 1921. 1. La destruction systématique pas les Allemands des houillères du Nord de la France et l'état actuel des efforts de reconstitution. 4½p. 2. Le nouvelle convention entre la Ville de Paris et la Compagnie du Chemin de fer Métropolitain. 5½p. 3. Pont en béton armé, système Considère, à Warrington, sur la Mersey (Angleterre). 1p.
- Tome LXXVIII. No. 19.** 7 Mai 1921. 1. Les transporteurs aériens à câbles. Resistance à la marche et tracé des câbles porteurs. Par F. Cretin. 5p. 2. Les Aciéries Thyssen, à Hagondange, près Metz. 3p.
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- Tome LXXVIII. No. 22.** 28 Mai 1921. 1. Le guidage des navires par câbles électriques immergés. 3p. 2. La standardisation du matériel des voies des chemins de fer français. La suppression de l'inclinaison des rails au 1/20. 2p.

Public Works

- Vol. 50. No. 18.** Apr. 30, 1921. 1. Refuse disposal in Passaic. By Colin R. Wise. 3p. 2. Operating data of fine screen and imhoff tanks. By John R. Downes. 2p. 3. Drag-line cofferdams. 1p. 4. Computing parabolic curves for street grades. By Walter W. Kane. 2p.
- Vol. 50. No. 19.** May 7, 1921. 1. Large reinforced concrete covered reservoir. 2p. 2. The effect of alkali upon concrete. By S. H. McCrory. 2p. 3. Highway bridge construction. 1½p.

Railway Age

- Vol. 70. No. 18.** May 6, 1921. 1. Improving terminals for Mallét operation. 6p.
- Vol. 70. No. 19.** May 13, 1921. 1. Electrification of St. Gothard line, Switzerland. By Hans. W. Schuler. 5½p.
- Vol. 70. No. 21.** May 27, 1921. 1. The passing of an historic passenger train shed. 2½p.
- Vol. 70. No. 22.** June 3, 1921. 1. Railways in war ridden regions greatly improved. By Oliver F. Allen. 2½p.

Railway Maintenance Engineer

- Vol. 17. No. 5.** May, 1921. 1. Developing thoroughness and permanency. 4½p. 2. Iron and steel institute reports on rail production. ½p. 3. Practical methods of waterproofing. By A. S. Harrison. 4p. 4. A modern air lift pumping plant. By John Oliphant. 2p. 5. Incrusted pipes cause heavy losses. By C. R. Knowles. 2½p.

Railway Review

- Vol. 66. No. 20.** May 14, 1921. 1. A radical analysis of railway operations. 6p.
- Vol. 66. No. 21.** May 21, 1921. 1. New freight and shop terminal of Southern Pacific Company at Bayshore. By Charles W. Geiger. 5½p.

- Vol. 66. No. 22. May 28, 1921. 1. The organization of fuel economy. 8p. 2. Railway lack policy toward coal storage development. 3p.
- Vol. 66. No. 23. June 4, 1921. 1. Reclamation a by-product of the railway business. By R. K. Graham. 6p.
- Vol. 66. No. 24. June 11, 1921. 1. A 70-ton hopper car that can be repaired in any shop. By H. Doine. 5p.

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Schweizerische Bauzeitung

- Band LXXVII. No. 17. 23 Apr., 1921. 1. Die Entwicklung der französischen Seehäfen während der Kriegsjahre. 4½p.
- Band LXXVII. No. 18. 30 Apr., 1921. 1. Zur Frage der Biegung. von Rob. Maillart. 3p.
- Band LXXVII. No. 19. 7 Mai 1921. 1. Berechnung von Rahmentragwerken aus Elementen stetig veränderlicher Höhe. Von Leopold Herzka. 4p.
- Band LXXVII. No. 20. 14 Mai 1921. 1. Technische Grundlagen zur Beurteilung schweizerischer Schifffahrtsfragen. 5p.

Scientific American

- Vol. CXXIV. No. 19. May 7, 1921. 1. America's greatest dam (The muscle shoals project on which congressional economy is about to force a halt). By W. D. West. 1½p. 2. Fuel conservation opinions—I (What leading consumers of fuel have to say about the present and the future). By Austin C. Lescarboura. 1p.
- Vol. CXXIV. No. 20. May 14, 1921. 1. Keeping our railroads up to the mark (Pneumatic apparatus that constitutes the prime factor in trunk-line maintenance of way). By Robert G. Skerrett. 1p. 2. Fuel conservation opinions—II. 1p.
- Vol. CXXIV. No. 23. June 4, 1921. 1. A study in magnitude (Comparison of the Hudson River bridge with some of the world's largest constructions in engineering and architecture). By J. Bernard Walker. 2p.

The Engineer

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- Vol. CXXXI. No. 3412. May 23, 1921. 1. Alternating stress testing machine. ½p.
- Vol. CXXXI. No. 3413. May 27, 1921. 1. The electrification of the Swiss railways. 1p.

The Far Eastern Review

- Vol. XVII. No. 5. May, 1921. 1. Harbor improvements in the Netherlands East Indies. 13p. 2. Shanghai improvements—Waterworks extension. 3p.
- Vol. XVII. No. 6. June, 1921. 1. An express port for Shanghai. 4p.

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The Journal of the Engineering Institute of Canada

- Vol. IV. No. 5. May, 1921. 1. A logical scheme for determining the concrete making value of available aggregates and its practical application to the production of predetermined quality in the field. By G. M. Williams. 8p.
- Vol. IV. No. 6. June, 1921. 1. Surge protection on transmission lines and cables. By S. Cunha and G. C. Read. 11p. 2. The Hudson Bay route. By J. W. Tyrrell. 5p. 3. A history of the geological investigations made in the fort norman area of the Mackenzie River basin, N. W. T. By F. H. Link. 3p.

The Journal of the Institution of Municipal and County Engineers

- Vol. XLVII. No. 22. April 23, 1921. 1. Concrete construction in connection with housing schemes. By William Ransom. 11p.
- Vol. XLVII. No. 23. May 7, 1921. 1. The municipal works of the county borough of Derby. By C. A. Clews. 6p.

The Military Engineer

- Vol. XIII. No. 69. May-June, 1921. 1. Regulation of Middle Mississippi River. By De Wit. C. Jones and Jas. W. Skelly. 8p. 2. The bridges of Paris. Carl L. Rimmelé. 12p.

The Railway Engineer

- Vol. XLII. No. 496. May, 1921. 1. The application of tables of equivalent uniformly distributed loads to square and skew bridges respectively. By C. Gribble. 3p. 2. Fox field viaduct, Furness Railway. 1p.

The Railway Gazette

- Vol. XXXIV. No. 18. May 6, 1921. 1. Labour-aiding appliances in permanent way work. 4p.
- Vol. XXXIV. No. 19. May 13, 1921. 1. Mechanical appliances for handling railway traffic. VI. 3p. 2. The Scottish railways: A sketch of their growth and recent developments. 2p.
- Vol. XXXIV. No. 20. May 20, 1921. 1. Mechanical appliances for handling railway traffic. VII. 3½p.
- Vol. XXXIV. No. 21. May 27, 1921. 1. Mechanical appliances for handling railway traffic. VIII. 3p.

The Railway Magazine

- Vol. XLVIII. No. 287. May, 1921. 1. Electrification of the St. Gothard Railway. 4p.
- Vol. XLVIII. No. 288. June, 1921. 1. Notable railway stations and their traffic. By J. F. Gairns. 9p. 2. North Staffordshire Railway traffic improvements. 2p.

The Road-Maker

- Vol. 15. No. 5. May, 1921. 1. Aero-photographs and highways—Map making from the sky. By E. H. Corlett. 4p.

Water and Water Engineering

- Vol. XXIII. No. 269. May 20, 1921. 1. The Waterworks of old London Bridge. By Hubert Greenwell. 3½p. 2. Duplication or looping of water mains. By W. Blackadder. 5p.