

新刊紹介

土木學會誌 第八卷第二號 大正十一年四月

- Abrams, D. A.—Effect of hydrated lime and other powdered admixtures in concrete. 74 p., 6×9, illustrated, paper.
- Espitalier, G.—Précis pour le calcul des ouvrages en béton armé. Un volume in-8° de 238 p., avec 108 figures. Librairie de l'Enseignement technique, Léon Eyrolles, éditeur, Paris. Prix: 15 francs.
- Gibson, A. H.—Hydro-electric engineering. Vol. I. Blackie and Son, Ltd., London. Price: 25 s. net.
- Grave, F. W.—Flow of water through 4, 6, 8 and 10-in. galvanized spiral riveted steel pipe. 32 p., 6×9, illustrated, paper.
- Guénot, G.—Chemins de fer d'intérêt local et Tramways. Un volume in-8° raisin de 295 p., Ch. Béranger, éditeur, Paris et Liege. Prix: net 25 francs.
- Higgins, A. L.—The transition spiral and its introduction to railway curves, with field exercises in construction and alignment. Constable and Co, London. Price: 6 s. net.
- Houghton, H. H.—The electrical handling of materials Vol. I. Electrical equipment. 200 p., 8½×10, 231 figures in text, cloth; Vol. II. Structural work. 392 p., 8½×10, folding plates and 358 figures in text, cloth. Benn Brothers, London. Price: 25 s. each volume.
- Kemmann, G.—Die selbsttätige Signalanlage Berliner Hoch- und Untergrundbahn. Mit 15 z. T. farbigen Tafeln und 188 Textabbildungen. Julius Springer, Berlin, 1921. Preis: 150 M.
- Mac Elwee, R. R. S.—Wharf management. 350 p., 6×9, illustrated, cloth. D. Appleton & Co., New York and London. Price: \$ 5.
- Magnel, G.—Calcul pratique des poutres continues en béton. 60 p., 6×10, paper, with charts additional. Price: 30 francs.
- McCullough, E.—Practical structural design. 317 p., 6×9, illustrated, cloth. U. P. C. Book Co., New York. Price: \$ 3.
- Podevin, P. A.—Formulaire d'applications pratiques du béton armé. Une brochure in 16 de 105 pages. Albin Michel éditeur, Paris. Prix: 4 francs.
- Roy, L.—Cours de mécanique rationnelle. Un volume in-8° (25×16) de VI-260 p., avec 103 figures. Gauthier-Villars et Cie, Paris. Prix: 25 francs.
- Salmon, E. H.—Columns: A treatise on the strength and design of long compression members. Oxford Technical Publications, London. Price: 31 s. 6 d. net.
- Wolfe, W. S.—Graphical analysis: A text book on graphic statics. 374 p., 6×9, illustrated, cloth. McGraw-Hill Book Co., New York and London. Price: \$4.
- 三菱鐵業會社發行。臨時議院建築局編纂。本邦產建築石材。實費四圓。

内外諸雜誌主要題目

工 學

第八卷 第十二號(第九十二號) 大正十年十二月十日。 1. 東京市水道擴張境和田堀線膠泥塗混凝土卷鐵管工事に就て。根岸耕司。4頁。 2. 木骨鐵鋼混凝土造華表工事報告。入江士。11頁。 3.

- シート・アスファルトの配合に就て. 程島五郎. 10頁. 4. 請負工事賞費加算式の得失. 野澤房敬. 四頁.
- 第九卷. 第一號(第九十三號). 大正十一年一月十日. 1. 流速計檢定所設備概要. 風岡隆介. 7頁. 2. 鐵筋煉瓦構造. 金森誠之. 11頁. 3. 隧道掘鑿の礪出に使用したるショブルローダーに就て. 岡崎保吉. 10頁. 4. 都市の自由空地と街路樹. 長崎敏音. 5頁.
- 第九卷. 第二號(第九十四號). 大正十一年二月十日. 1. 柱狀物體の耐震力. 佐藤廉平. 13頁. 2. 時瀨水力工事機械掘と手掘に就て(一). 西畑常. 10頁.
- 第九卷. 第三號(第九十五號). 大正十一年三月十日. 1. 從來の鐵材と煉瓦との併用を研察し透孔煉瓦の得失を論ず. 金森誠之. 10頁. 2. 時瀨水力工事機械掘と手掘に就て(二). 西畑常. 5頁.

工業雜誌

- 第五十五卷. 第七百十三號. 大正十年十二月五日. 1. ヴェンチュリー・メーターに依る空氣の流量測定に就て. 淺川權八. 7頁.
- 第五十六卷. 第七百十六號. 大正十一年一月二十日. 1. 水タービン・ドラフト・チューブの理論と設計(二). 宮城音五郎. 7頁.

帝國鐵道協會會報

- 第二十三卷. 第一號. 大正十一年一月十五日. 1. 南米南河鐵道雜話. 橋本敬之. 9頁. 2. 黄河新橋入札の結果に就て. 野澤房敬. 19頁. 附圖 1.
- 第二十三卷. 第二號. 大正十一年三月十五日. 1. 支那漫遊小觀. 中川正左. 8頁.

Annales des Travaux Publics de Belgique

- Tome XXII. 5^e Fascicule. Octobre, 1921. 1. Pont suspendu rigide sur cables.—Ossature rigide en metal ou en béton armé. Par A. Vierendeel. 60 p. 2. Le calcul des colonnes. Par L. Lemaire. 26 p. 3. Égouts publics. Par Ch. Dubosch. 52 p. 4. Piliers-Murs immergés.—Barrage à sections horizontales également comprimées.—Formules pratiques. Par J. Duvingnaud. 47 p. 5. La traverse hydraulique de la ville de Gand.—Note de M. R. Derycke. 11 p.
- Tome XXII. 6^e Fascicule. Décembre, 1921. 1. Note sur les embrayages et les mécanismes en mouvement varié de M. H. Meuris. 14 p. 2. Le calcul des colonnes. Par L. Lemaire. 27 p. 3. Le château de Mariemont. Note de M. E. Pieus. 16 p. 4. Congrès interallié pour déterminer la politique de l'habitation et du plan urbain et rural tenu à Londres en 1920. Rapport de mission de M. De Heem. 21 p.

Annales des Ponts et Chaussées Partie Technique

- 91^e Année. 11^e Série.—Tome LXIV. Vol. V. Septembre-Octobre, 1921. 1. Palplanches métalliques utilisées à la reconstruction des ponts de chemin de fer sur la Meuse, détruits pendant la guerre. Par M. Claise. 11 p. 2. Quelques remarques à propos des conséquences de l'accroissement des navires sur les dispositions des ports. Par M. Renard. 19 p. 3. Sur la reconstruction du pont de Brasles sur la Marne. Près de Château-Thierry. Par M. Delforges. 28 p.

Bulletin of the International Railway Association

- Vol. III. No. 10. October, 1921. 1. (Switzerland) On the question of electric traction (Subject VIII for discussion at the ninth Congress of the International Railway Association). By E. Huber. 42 p. 2. (Holland and Great Britain) On the question of electric traction (Subject VIII, for discussion at the Ninth Congress of the International Railway Association). By J. J. W. Van Leenen Martinet. 30 p. 3. On the question of operation on light railways. Working ruler

and regulations (Subject XVIII for discussion at the Ninth Congress of the International Railway Association) By F. Level. 12 p. 4. On the question of terminal stations for passengers (Subject IX for discussion at the Ninth Congress of the International Railway Association). By A. S. Baldwin. 45 p.

- Vol. III No. 11.** November, 1921. 1. On the question of locomotive cab signals (Subject XII for discussion at the Ninth Congress of the International Railway Association). By Ferdinand Maison. 92 p. 2. On the question of Reinforced concrete (Subject IV for discussion at the Ninth Congress of the International Railway Association). By A. L. Golard. 44 p. 3. On the question of terminal stations for passengers (Subject IX for discussion at the Ninth Congress of the International Railway Association). By A. S. Baldwin. 7 p. 4. (Sweden, Norway and Denmark) On the question of electric traction (Subject VIII for discussion at the Ninth Congress of the International Railway Association) By M. I. Öfverholm. 14 p.
- Vol. III. No. 12.** December, 1921. 1. On the question of special steels (Subject III for discussion at the Ninth Congress of the International Railway Association). By Mr. Mesnager. 14 p. 2. (America) On the question of electric traction (Subject VIII for discussion at the Ninth Congress of the International Railway Association). By George Gibbs. 84 p. 3. (Italy) On the question of electric traction (Subject VIII for discussion at the Ninth Congress of the International Railway Association). By Alfred Donati. 46 p. 4. Limit of safety to allow for stresses in the metallic superstructure of railway bridges. By Albert Rousse. 20 p.

Canadian Engineering

- Vol. 42. No. 2.** Jan. 10, 1922. 1. Construction Scarboro Twp. waterwork system. By W. D. Proctor. 2½ p. 2. Hydrogen-ion concentration in water purification. By Harrison P. Eddy. 2p. 3. Sewage gas as motive power. By John D. Watson. 3 p. 4. Transportation and development of modern cities. By Paul Seurot. 3 p.
- Vol. 42. No. 3.** Jan. 17, 1922. 1. St. Lawrence navigation and power investigation. 7 p. 2. The disinfection of public water supplies and its relation to public health. By C. A. Tennings. 3½ p.
- Vol. 42. No. 5.** Jan. 31, 1922. 1. Hydro-electric developments near Bathurst, N. B. By James Dick. 4 p.
- Vol. 42. No. 7.** Feb. 14, 1922. 1. The structural design of pavements. By A. T. Goldbeck. 4 p.
- Vol. 42. No. 8.** Feb. 21, 1922. 1. A review of hydro-electric progress in Canada. 4 p. 2. Bituminous foundations for street and road pavements. By Hugh W. Skidmore. 2 p.
- Vol. 42. No. 9.** Feb. 28, 1922. 1. Water waste survey and metering in Detroit City. By George H. Fenkell. 5 p.
- Vol. 42. No. 10.** Mar. 7, 1922. 1. Municipal asphalt plant at St. Catharines, Ont. By W. P. Near. 2 p. 2. Characteristics of rail-carbon steel. By J. B. Carswell. 4 p. 3. The use of Concrete pipe for building storm and sanitary sewers. By M. W. Loving. 1½ p. 4. Hydraulic equipment as affecting power house design. By Max, V. Sauer. 2 p.

Concrete and Constructional Engineering

- Vol. XVI. No. 10.** October, 1921. 1. The Birkenhead-Alwen water supply. 12 p. 2. Calculations for continuous beams with third-point loading. By Ewart S. Andrews. 8 p.
- Vol. XVI. No. 11.** November, 1921. 1. Concrete construction on the London and North-Western electric railway. 6 p. 2. Extensions to the ports of Nantes and the Loire. 4½ p. 3. Secondary stresses in monolithic structures and how to calculate them. By R. J. Harrington Hudson. 3½ p. 4. The fire resistance of concrete and reinforced concrete. 6 p.
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Vol. XVII. No. 2. February, 1922. 1. Reinforced concrete culverts in Durham. 5 p. 2. Graphs and alignment charts for the design of reinforced concrete slabs, beams and columns. By Joseph W. Dawson. 7 p. 3. Reinforced concrete roads in Leeds. By L. R. Moir. 5 p. 4. Standard specifications in America. 3 p. 5. Reinforced concrete piers and marine works. By W. Noble Twelvetrees. 6 p. 6. Tentative recommended practice for the construction of concrete fuel oil storage tanks. 6 p. 7. Simple examples of reinforced concrete design. By Oscar Faber. 4 p.

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Concrete Products

Vol. 21. No. 4. October, 1921. 1. Shope Brick Company of Wisconsin. By Wallace R. Harris. 5½ p. 2. Home builders' impression of concrete block. By Roy Imler. 2½ p. 3. Repairing and water proofing concrete reservoir with gunite. By Barclay A. Greene. 1½ p.

Vol. 21. No. 5. November, 1921. 1. Popularizing concrete block by fire tests. By Thomas J. Harris. 4½ p. 2. Sterling, Colo., Manufacturing concrete sewer pipe. By Glenn Izett. 3 p. 3. Brick hollow wall construction. 2 p.

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Electric Railway Journal

Vol. 58. No. 19. Nov. 15, 1921. 1. Measurement of earth currents. By Burton McCollum. 5½ p. 2. Railway situation in Berlin. By Eugene Eichel. 3 p. 3. Subways for city transportation. By Robert Ridgway. 1 p.

Vol. 58. No. 20. Nov. 12, 1921. 1. Dead mileage saving to pay for new car storage facilities. 4 p. 2. Special snow-fighting equipment. 2 p. 3. Trackless trolleys at Work abroad. By Walter Jackson. 4½ p.

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Engineering

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- Vol. CXII. No. 2916. Nov. 18, 1921. 1. The gauging of penetration in pile driving. By Ernest Latham. 2 p. 2. Beams with loads irregularly distributed. By T. Thompson. 2 p.
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Engineering News-Record

- Vol. 87. No. 17. Oct. 27, 1921. 1. Timbered and roof-shield tunneling in deep loose-ground subway section. By W. C. Briggs. 5 p. 2. Proportioning and making concrete on Barrett Dam. By H. N. Savage. 3 p.
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- Vol. 88. No. 1. Jan. 5, 1922. 1. Statistics of construction cost and volume. 6 p.
- Vol. 88. No. 2. Jan. 12, 1922. 1. Connecticut makes detailed study of highway traffic 4p. 2. 12 years' experience with bituminous penetration work on Kansas City boulevards and park roads. By Fred Gableman. 4 p. 3. Paving slab and subgrade studies in Illinois. By Clifford Oider. 3 p.
- Vol. 88. No. 3. Jan. 19, 1922. 1. The new Orleans automatic sewage pumping stations. By George G. Earl. 2 p. 2. English impact measurements analyzed. By F. E. Turneure. 2½ p. 3. Measured retaining-wall pressure from sand and surcharge. By Jacob Feld. 1½ p. 4. Lake coal dock with unloading and handling plant. 4 p. 5. Relocation on the South African government railways. 2 p.

Engineering World

- Vol. 19. No. 5. November, 1921. 1. Tieton River dam, Yakima project, Washington. By F. T. Crowe. 1½ p. 2. Huge steel truss placed in Chicago U. S. Mail terminal. By R. F. Imler. 3½ p. 3. Power gas from sewage. By J. D. Watson. 1½ p. 4. The field of highway research. By W. K. Hatt. 2 p.
- Vol. 19. No. 6. December, 1921. 1. Reclaiming 181,000 acres of swamp land in Florida. 4 p. 2. Testing concrete foundation piers of Chicago Union Station Co. By R. F. Imler. 2 p. 3. Electric welded penstock for hydroelectric power plant. By F. W. Allen. 1½ p. 4. Repairing the concrete dry dock at South Chicago. By John V. Shaefer. 2 p.

Highway Engineer and Contractor

- Vol. 5. No. 5. November, 1921. 1. Illinois highway construction contract has interesting features. By Wallace R. Harris. 7 p. 2. Paving operations in King country, Washington. By Lou Padden. 5 p. 3. Review of Lou Padden's paper on King county paving operations. By J. W. Stayden. 4 p. 4. Paving Economy in Warren, Ohio. By Albert C. Smith. 2½ p.
- Vol. 5. No. 6. December, 1921. 1. Highway Construction by state forces. By D. S. MacBride. 4 p. 2. Controversy in Vancouver about paving materials. 8 p. 3. Simplification of standards for vitrified paving brick. 3 p.

Journal of the New England Water Works Association

- Vol. 25. No. 4. December, 1921. 1. Sanitary protection of public water supplies. By Allen Hazen. 12 p. 2. A description of the water works of the Bridgeport Hydraulic Company. By Samuel P. Senior. 9 p. 3. The repairs to the standpipe at Bath, Me. By Clarence E. Carter and Walter F. Abbott. 4 p. 4. The control of water waste by house to house inspection. By Gordon Z. Smith. 13 p. 5. The typhoid fever epidemic at Salem, Ohio. By W. H. Dittor. 19 p. 6. Some observations concerning water-supply mains. By J. W. Ledoux. 13 p. 7. The disappearance of the coating from cast-iron pipe while stored in the yard. By Samuel E. Killam. 6 p. 8. The significance of "hydrogen-ion concentration" in water purification. By Harrison P. Eddy. 9 p.

Journal of the Western Society of Engineers

- Vol. XXVI. No. 11. Nov., 1921. 1. Deflections of beams by the conjugated beam method. By H. M. Westergaard. 28 p.
- Vol. XXVI. No. 12. Dec., 1921. 1. The Northwestern elevator explosion. By David J. Price. 19 p.
- Vol. XXVII. No. 1. Jan., 1922. 1. Flood measures in the vicinity of Dayton, Ohio. By Arthur E. Morgan. 12 p. 2. Developing a highway transportation system for a State. By A. R. Hirst. 13 p. 3. Nature's preparations for deep water harbors on the Great Lakes. By John Millis. 7 p.

La Houille Blanche

- 20^e Année. No. 57-58. Septembre-Octobre, 1921. 1. Sur la détermination du rendement des turbines hydrauliques par voie calorimétrique. Par L. Barbillion et A. Polrson. 6 p. 2. Calcul des tubes à section elliptique soumis à une pression intérieure. Par G. Prudon. 3 p. 3. Calcul pratique d'une longue ligne de transport de force. Par Henry de Watteville. 3 p. 4. Les postes à 120,000 volts de la région pyrénéenne. Par V. Sylvestre. 8 p.

Le Génie Civil

- Tome LXXIX. No. 16. 15 Oct., 1921. 1. Calcul des poutres à treillis double avec membrures parallèles et montants verticaux sur les appuis seulement. Par Léon Légens. 2 p.
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- Tome LXXIX. No. 26. 24 Déc., 1921. 1. Étude de l'action des charges roulantes sur les rails. Par S. Timochenko. 2 p.

Public Works

- Vol. 51. No. 17. Oct. 22, 1921. 1. Constructing Sherman Island Dam. 4 p.
- Vol. 51. No. 18. Oct. 29, 1921. 1. Concrete test highway at Pittsburg, California. By Charles Geiger. 3½ p.
- Vol. 51. No. 19. Nov. 5, 1921. 1. Building San Diego's new water works. By Allen Henry Wright. 3 p. 2. American Society for municipal improvements. 3 p. 3. Recent developments in water works matters. 2½ p.
- Vol. 51. No. 20. Nov. 12, 1921. 1. New pavements of Danbury, Connecticut. By C. D. Pollock. 3 p. 2. Dewatering sewage sludge. By T. Chalkey Hutton. 2½ p. 3. American Society for municipal improvements. 2 p. 4. Ten years of the St. Louis water works. 3 p.
- Vol. 51. No. 21. Nov. 19, 1921. 1. Pennsylvania highway department. 2½ p. 2. Old wooden highway bridges. 1 p. 3. Essentials of wooden highway span. 1½ p.
- Vol. 51. No. 22. Nov. 26, 1921. 1. Linwood avenue tunnel, Milwaukee water works. 4 p. 2. How to select, install and operate a concrete mixer. 2 p.

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