

新刊紹介

土木學會誌 第九卷第二號 大正十二年四月

Leigh, C. W.—Practical mechanics and strength of materials. 5×8, 293 P., illustrated, cloth. Mc Graw-Hill Book Co., New York Price: \$2.25.

Magnel, G.—Pratique du calcul du béton armé. Un volume in-8° de 160 P., et 32 figures. Van Rysselberghe et Rombaut, Gand. Prix: 30 fr.

Williams, F. B.—The law of city planning and zoning. 6×9, 738 p., cloth. The Macmillan Co., New York. Price: \$5.

Standard specifications for steel highway bridges. 6×9, 75 P., stiff paper. Price: 25 c.

内外諸雜誌主要題目

土木建築雜誌

- 第貳卷 第二號 大正十二年二月十五日 1. 消化機傳染病による損害と下水道 三浦磐雄 2頁 2. 新に起工されたる四港修築計畫 (二) 萩野熾 3頁 3. 東京市下水道の梗概 (五) 田中寅男 2頁
- 第二卷 第三號 大正十二年三月十五日 1. 消化機傳染病による損害と下水道 三浦磐雄 2頁 2. 坑内送氣量に就て 坂岡末太郎 1頁

工學

- 第十卷 第二號(第百六號) 大正十二年二月十日 1. 京橋 有元岩鶴 10頁 2. 林道のインクライン 5頁 3. アスファルト及び其價值 (四) 市川良正 4頁
- 第十卷 第三號(第百七號) 大正十二年四月一日 1. 石堰堤内部應力の分布に就て 坂田時和 8頁 2. アスファルト及び其價值 (五) 市川良正 4頁 3. 砂防堰堤に就て (三) 浦宇 5頁

工業雜誌

- 第五十八卷 第七百四十一號 大正十二年二月五日 1. 光彈性學 (六) 湯淺龜一 5頁 2. 混凝土耐力和其の調合に就て 長屋修吉 6頁
- 第五十八卷 第七百四十二號 大正十二年二月二十日 1. 東京市塵芥の處分並に處理案 田中芳雄 古賀彌太郎 3頁
- 第五十八卷 第七百四十三號 大正十二年三月五日 1. 東京市塵芥の處分並に處理案 (二) 田中芳雄 古賀彌太郎 6頁 2. 陸地に風送せらるる鹽分塵 長屋修吉 6頁

帝國鐵道協會會報

- 第二十四卷 第二號 大正十二年三月十五日 1. 第九回國際鐵道會議と伊國の鐵道に就て 那波光雄 36頁及附圖 2. 都市交通運輸の研究と東京市の交通網に就て 西 勝造 16頁

Annales des Travaux Publics de Belgique.

- Tome XXIII, 6^e Fascicule. Décembre, 1922. 1. Abaque général pour la flexion des pièces en béton armé. Par J. Rimbaud. 48 p. 2. Contribution à l'étude théorique des fleuves à marée et application aux rivières à marée du bassin de l'Escaut maritime (Suite). Par L. Bonnet. 51 p.

Beton u. Eisen.

- 22 Jahr. Heft 1. 5. Jan., 1923. 1. Fischereihafen-Doppelschleuse Geestemünde, 3 p. 2. Beziehungen Zwischen Druckfestigkeit und Druckelastizität des Beton bei Zulässiger Anstrengung desselben. Von Otto Graf. 1 p. 3. Zylindrische Wasserbehälter mit Zwischenwänden und ringförmige Abschlusswände (Bogentalsperren). 1½ p.
- 22 Jahr. Heft 2. 20. Jan., 1923. 1. Praktische Ermittlung der Werte für κ (h-a) und f_c bei Eisenbetonkonstruktionen mit anomalen Beanspruchungen an Hand bekannter Werte. Von Christian Rickhof. 1½ p.
- 22 Jahr. Heft 3. 5. Feb., 1923. 1. Anwendungsmöglichkeit des Stampfbetons bei gewölbten Tragwerken. Von Eduard Proksch. 1½ p. 2. Aus neueren amerikanischen Brandversuchen. 2 p. 3. Numerisches Verfahren zur Ermittlung der Spannungen in Zylindrischen Flüssigkeitsbehältern oder Trägern auf elastischer Bettung. Von Lewe. 2½ p. 4. Zur Berechnung statisch unbestimmter Rahmentragwerke mit lotrechten Ständern. Von Günter Worch. 1 p.

Canadian Engineer

- Vol. 44. No. 1. Jan. 2, 1923. 1. Highway activity in province of Saskatchewan. By H. S. Carpenter. 2 p. 2. Bio-aeration method of sewage treatment. By John Haworth. 4 p.
- Vol. 44. No. 2. Jan. 9, 1923. 1. Reclamation of waste lands in Western Canada. By Edward F. Drake. 3 p. 2. Present day problems in railway bridge design. By Conrad Gribble. 1½ p. 3. Guniting steel penstocks to eliminate trouble due to ice formation. By J. A. McCroly. 1 p. 4. Control of corrosion by deactivation of water. By Frank W. Speller. 4 p.
- Vol. 44. No. 3. Jan. 16, 1923. 1. New 640-ft. arch span bridge at Niagara Falls. By H. Ibsen. 3½ p. 2. Water supply and sewage disposal around lakes. By Langdon Pearse. 3½ p.
- Vol. 44. No. 4. Jan. 23, 1923. 1. Strange street pumping station, Kitchener, Ont. By Marcel Pequegnat. 3 p. 2. Mechanical equipment of water works systems. By George R. Collinson. 4 p.
- Vol. 44. No. 5. Jan. 30, 1923. 1. Reinforced concrete bridge at Brantford, Ont. By Frank P. Adams. 2 p. 2. Hydro-electric power development. By William T. Taylor. 2 p. 3. Street improvements at Kingsville, Ontario. By N. J. Goebel. 3 p.
- Vol. 44. No. 6. February 6, 1923. 1. Limitations of aerial surveying outlined. By P. J. Barry. 3 p.
- Vol. 44. No. 7. February 13, 1923. 1. Methods of purifying public water supplies. By Norman J. Howard. 6 p.
- Vol. 44. No. 8. Feb. 20, 1923. 1. Low level pumping station for city of Montreal. By C. J. Des Bailleurs. 3 p.
- Vol. 44. No. 9. Feb. 27, 1923. 1. Tests of I-beams encased in concrete. 2 p.

Concrete and Constructional Engineering

- Vol. XVIII. No. 1. January, 1923. 1. A large ore-shipping dock. By W. H. Hoyt. 4 p. 2. New reinforced concrete bridge at Taunton. 3 p. 3. The Welland Ship Canal. 4 p. 4. Concrete chimney in precast segments. 4 p.
- Vol. XVIII. No. 2. February, 1923. 1. New column and beam testing machine. By H. E. Lance Martin. 3 p. 2. Reinforced concrete coal washing plant. 4 p. 3. Water tower at Aylesford. 3½ p.

Der Eisenbau.

13. Jahrg. Nr. 11. 28. November 1922. 1. Beiträge zur Berechnung vielfach statisch unbestimmter Stabsysteme. Von P. Pasternak. 16 p. 2. Zeichnerische Berechnung hochunbestimmter Tragwerke. Von Hermann Müller. 8 p.
13. Jahrg. Nr. 12. 30. Dezember 1922. 1. Auflagerung eiserner Eisenbahnviadukte in Kurven. Von Struve. 6½ p. 2. Versuche über die Verdrehungsfestigkeit der Walzeisensträger von A. Föppl. von A. Müllenhoff. 3 p.

Electric Railway Journal

- Vol. 61. No. 2. Jan. 13, 1923. 1. The Sydney tramway system. 5 p. 2. New York, London, Paris and Berlin transit compared—I. By Daniel L. Turner. 5½ p. 3. New cars for East Boston tunnel. 2 p.
- Vol. 61. No. 3. Jan. 20, 1923. 1. Features of 1922 trackwork in Rochester. 2 p.
- Vol. 61. No. 5. Feb. 3, 1923. 1. High-speed railroad on Erie Canal site. 3 p.
- Vol. 61. No. 6. Feb. 10, 1923. 1. Points of interest about the capital traction company. By R.H. Dalgleish. 4 p. 2. New repair shops at Boston. 4 p.
- Vol. 61. No. 8. Feb. 24, 1923. 1. Method and cost of reclaiming Seattle paved track. By A.E. Pierce. 2½ p.

Engineering

- Vol. CXV. No. 2975. Jan. 5, 1923. 1. The use of reinforced concrete for pit-head gears. By W. L. Scott. 3½ p. 2. The proposed Mid-Scotland ship canal. 2 p.
- Vol. CXV. No. 2978. Jan. 26, 1923. 1. The Whitaker tunnelling machine. 1 p.
- Vol. CXV. No. 2979. Feb. 2, 1923. 1. 18-in. refracting telescope for the Brazilian Government. 2 p.
- Vol. CXV. No. 2980. Feb. 9, 1923. 1. 18-in. refracting telescope for the Brazilian Government. 1 p.

Engineering News-Record

- Vol. 89. No. 21. Nov. 23, 1922. 1. Building concrete bridge around an old steel bridge. By Searcy B. Slack. 3 p. 2. Low-head hydro-electric plant of 84,000 Hp. in Norway. By W. Francis Lloyd. 2 p. 3. Auxiliary submerged intake alongside tower. By C. M. Daily. 1 p. 4. Logging railway practice in the North western forests. 3 p. 5. Bridge protected from shifting channel: B. & O. R. R. 2 p.
- Vol. 89. No. 22. Nov. 30, 1922. 1. Building the Baldwin Reservoir, Cleveland Water-Works. 5 p. 2. Standardized appliances for irrigation structures. By J. L. Savage. 3 p. 3. Arch dam temperature changes and deflection measurements. By Fred A. Noetzli. 3 p. 4. Urges co-operation between railroads and motor trucks. By W. H. Lyford. 3 p.
- Vol. 89. No. 23. Dec. 7, 1922. 1. Construction methods and plant on the Marseilles lock. 3½ p. 2. Protecting steel bridges from locomotive blast. 1½ p. 3. Safe yields of drainage areas in years of minimum rainfall. By Alfred S. Burgess. 1½ p. 4. Steel and wrought-iron trusses efficiently combined in railway bridge reconstruction. 5½ p. 5. Motor truck tractive resistances on road surfaces. By T. R. Agg. 3½ p.
- Vol. 89. No. 23. Dec. 14, 1922. 1. Sewage-treatment progress in Chicago sanitary district. By Langdon Pearce. 5 p. 2. Building a 6,500 Hp. water power plant in New England. By J. Arthur Garrard. 3½ p. 3. Remove subaqueous ledge above rapid transit tunnel. By Col. Edward Burr. 3 p. 4. Volumes at Jack-arch groins. By George Paaswell. 1½ p. 5. Changes in Mattamuskeet drainage district, North Caroline. By John. R. Wilbanks. 2 p.
- Vol. 89. No. 25. Dec. 21, 1922. 1. Track elevation on long concrete viaduct at Aurora, Ill. 3½ p. 2. Japanese port adds large unit to harbor facilities. 5 p. 3. Non-uniform flow and significance of drop-down curve in conduits. By H. E. Baffitt. 3 p. 4. Dry fill and hydraulic sluice methods on same dam. 3 p. 5. Small municipal hydro-electric plant in Tennessee. 2 p. 6. Studies of natural purification on the Illinois River. By J. K. Hoskins. 2 p.
- Vol. 89. No. 26. Dec. 28, 1922. 1. Foundation and framing design of Colfax power station. By M. E. Thomas. 4 p. 2. Heavy trestlework required on new logging railroad. 2 p. 3. How to inspect Asphalt paving mixtures at the plant. By W. J. Emmons. 4 p. 4. Unique sewage-works and pump-equipment bid plan. By Glen D. Holmes. 3 p.
- Vol. 90. No. 1. Jan. 4, 1923. 1. Outstanding features of Western water-power development in 1922. 7 p.
- Vol. 90. No. 2. Jan. 11, 1923. 1. Storm King—A modern road built under pioneer condition. 4 p. 2. Continuous frame design used for concrete highway bridges. By Arthur G. Hayden. 3 p. 3. Economic theory of highway grades. By T. R. Agg. 3½ p.

- Vol. 90. No. 3. Jan. 18, 1923. 1. Illinois stadium: a double-deck steel-frame structure. 4 p.
2. Tests of knees for continuous frame concrete bridges. By Arthur G. Hayden. 2½ p.
- Vol. 90. No. 4. Jan. 25, 1923. 1. Design of 400-ft. concrete arch of the Cappelen Memorial Bridge. 4 p. 2. Porto Rican irrigation project has novel features. By E.A. Gonzalez. 3 p.
- Vol. 90. No. 5. Feb. 1, 1923. 1. Precast concrete flume on Klamath Project. By E.C. Koppen. 6 p. 2. Road grading costs reduced by tractor hauling. By E. R. Wiggins. 2 p. 3. Surveying without instruments on Siberian Railway. By William Ewald. 1½ p.
- Vol. 90. No. 6. Feb. 8, 1923. 1. Driving 250-ft. piles for Hudson River tunnel shaft: 7 p. 2. Street intersections mapped out by means of contours, By F.S. Besson. 3 p. 3. Wire and willow mat revetment on the Missouri River. 2 p.
- Vol. 90. No. 7. Feb. 15, 1923. 1. Chicago building huge public stadium on lake front. 3½ p. 2. Experience with metal forms for a flat-slab floor, By Dan Patch. 2½ p. 3. Force account bridge building in South Dakota. 2 p. 4. Finished road grades produced by tractor outfits. By J.R. McLean. 2½ p. 5. Discharge through adjustable submerged orifices. By H. A. Wadsworth. 2 p.
- Vol. 90. No. 8. Feb. 22, 1923. 1. Huge airship hangar for U. S. Army: Scott Field, Illinois. By Hilmar F. Smith. 5½ p. 2. Lining a power ditch while in service. 2 p. 3. Stream-flow measurements under tidal influence. By E. A. Bailey. 2½ p.

Engineers and Engineering

- Vol. XL. No. 1. January, 1923. 1. The highways of Pennsylvania. By William H. Connell. 4 p.

Journal of the Water Works Association.

- Vol. 36. No. 4. December, 1922. 1. Boston high pressure fire system and general problem of special fire service. By Frank A. McInnes. 12 p. 2. High pressure fire systems from the underwriters' viewpoint. By G. W. Booth. 3. Water supply of South eastern Massachusetts. By X. H. Goodnough. 23 p. 4. The water supply of Fall River. By H. K. Barrows. 21 p. 5. Tars, new and old. By S. R. Church. 18 p.

La Houille Blanche

- 21^e Année. No. 179. Nov.—Déc., 1922. 1. Le Séchage sur les lieux d'utilisation des Transformateurs de grande puissance. Par M. Escande. 2½ p. 2. L'électrification des Chemin de Fer du Midi. Par M. Bachelery. 6½ p. 3. L'Aménagement des Forces hydrauliques de la Bonne et du Drac. Par M. E. Dusaugy. 7 p. 4. Société hydrotechnique de France—Inauguration du Laboratoire d'hydraulique de Beauvert à Grenoble. 6 p.

Le Génie Civil

- Tome LXXXII. No. 1. 6 Jan., 1923. 1. Les ciments à haute teneur en alumine, à durcissement rapide et à grande résistance: ciment fondu, ciment électrique. 2½ p. 2. La poutre à treillis à membrures parallèles calculée comme système élastique. 4 p.
- 四 Tome LXXXII. No. 3. 20 Jan., 1923. 1. La nouvelle usine hydro-électrique du Niagara, à Queenston (Canada). Par Paul Calfas. 2. Calcul de l'arc à deux rotules et à bielle intermédiaire, c'est-à-dire de l'arc continu sur trois appuis. Par Camille Molitor. 4½ p.
- Tome LXXXII. No. 4. 27 Jan., 1923. 1. L'exploitation des chemins de fer d'intérêt local par automotrices à moteurs à explosion. Par Pierre Jacouinot. 7 p. 2. Calcul de l'arc à deux rotules et à bielle intermédiaire, c'est-à-dire de l'arc continu sur trois appuis. Par Camille Molitor. 3 p.
- Tome LXXXII. No. 5. 3 Fév., 1923. 1. Calcul de l'arc à deux rotules et à bielle intermédiaire, c'est-à-dire de l'arc continu sur trois appuis. Par Camille Molitor. 4 p.
- Tome LXXXII. No. 6. 10 Fév., 1923. 1. La démolition du tunnel des Batignolles, près de la gare Saint-Lazare, à Paris. Par P. Calfas. 8 p.

Organ für die Fortschritte des Eisenbahn wesens

77. Jahrg. Heft 21 bis 23. 1. Dezember 1922. 1. Gestaltung des Gleises für grosse Fahrgeschwindigkeit. Von R. Harker. 5 p.

Philosophical Magazine and Journal of Science

- Vol. 44. No. 264. December, 1922. 1. On the flow of liquids under capillary pressure. By Eric Keightley Rideol. 8 p.

Proceedings of the American Society of Civil Engineers.

- Vol. XLIX. No. 2. February, 1923. 1. Reinforced concrete columns. By John Tucker. 75 p.

Public Works

- Vol. 53. No. 9. November, 1922. 1. Delaware River bridge piers. 6 p.
 Vol. 53. No. 10. December, 1922. 1. Garbage collection and disposal in Richmond. By D. B. Davis. 2½ p. 2. Illinois experimental highway tests. By Charles Carroll Brown. 2 p. 3. Building Brooklyn bridge pier. 3 p.
 Vol. 54. No. 1. January, 1923. 1. The "Ideal section" of the Lincoln highway. 2 p. 2. Earth handling machinery. 3 p. 3. Refuse collection and disposal data. 3 p.
 Vol. 54. No. 2. February, 1923. 1. Municipal pavement repairing in Newark. By James W. Castells. 5 p. 2. Concrete mixers and mixing. By F. S. Besson. 3 p.

Railway Age

- Vol. 73. No. 24. Dec. 9, 1922. 1. Marine borers attack piling along Atlantic Coast. 2½ p.
 Vol. 73. No. 25. Dec. 16, 1922. 1. Illinois Central improves line near Chicago. 8 p.
 Vol. 73. No. 26. Dec. 23, 1922. 1. Treating plant solves New Haven's tie problem. 4½ p. 2. Traffic direction by signal indication on D. L. & W. 4 p.
 Vol. 73. No. 27. Dec. 30, 1922. 1. New transcontinental line in Northern Argentina. By Richard F. Maury. 2½ p.
 Vol. 74. No. 2. Jan. 13, 1923. 1. Michigan central to build new bridge at Niagara. 4½ p.
 Vol. 74. No. 3. Jan. 20, 1923. 1. The stresses in straight and curved track. 5 p.
 Vol. 74. No. 4. Jan. 27, 1923. 1. Chicago gets a new passenger terminal plan. 5 p. 2. An innovation in locomotive terminal design. 3½ p.
 Vol. 74. No. 7. Feb. 17, 1923. 1. M. K. & T. builds new terminal at Denison. 4 p. 2. Observations on electric railway practice. By W. B. Potter. 4 p.
 Vol. 74. No. 8. Feb. 24, 1923. 1. Shantung railway turned over to Chinese. 5 p.

Railway Maintenance Engineer

- Vol. 19. No. 1. January, 1923. 1. Promoting the art of making good concrete. By D. A. Tomlinson. 1½ p. 2. An economical water supply plant. By William C. Rudd. 2 p.
 Vol. 19. No. 2. February, 1923. 1. Promoting the art of making good concrete. By D. A. Tomlinson. 1½ p. 2. Trestle shows remarkable preservation. By W. T. Kelleher. 2 p. 3. Train operation greatly affected by quality of water. 3 p.
 Vol. 19. No. 3. March, 1923. 1. How the Lehigh valley gets more work with less men. By G. L. Moore. 7½ p.

Railway Review

- Vol. 71. No. 25. Dec. 16, 1922. 1. Preservative treatment of ties and timber. 5½ p.
- Vol. 71. No. 26. Dec. 23, 1922. 1. Rebuilding Niagara Bridge of the Michigan Central R.R. 5 p.
- Vol. 72, No. 4. Jan. 27, 1923. 1. Another study of Chicago railway terminals. 4½ p.
- Vol. 72, No. 5. Feb. 3, 1923. 1. Freight facilities in the proposed terminal, Chicago. 4 p.
2. Reinforced concrete coaling plant at Michigan City, Ind. 5 p.
- Vol. 72, No. 6. Feb. 10, 1923. 1. Atocha-Villazon Railway under construction in Bolivia. By Paul C. Campbell. 3 p.
- Vol. 72, No. 8. Feb. 24, 1923. 1. Track elevation of the D. L. & W. R. R. at East Orange N. J. 6 p.

Schweizerische Bauzeitung

- Band LXXX. No. 25. 16. Dez., 1922. 1. Die Wasserkraftanlage Fully Einstufige Hochdruckanlage mit 1650 m Gefälle. Von H. Chenaud u. L. Aulois. 4 p.
- Band LXXX. No. 26. 23. Dez., 1922. 1. Die Wasserkraftanlage Fully Einstufige Hochdruckanlage mit 1650 m Gefälle. Von H. Chenaud u. L. Dubois. 2½ p.
- Band LXXX. No. 27. 30. Dez., 1922. 1. Die II. Juragewässerkorrektion, Projekt 1921. Von A. Peter. 4½ p. 2. Die Wasserkraftanlage Fully, einstufige Hochdruckanlage mit 1650 m. Gefälle. Von H. Chenaud und L. Dubois. 1 p.

Scientific American

- November, 1922. 1. A cable-way among the clouds. (How passengers are to be carried up Mont-Blanc in a suspended cage). By Frederick Harrison Burlingham. 1 p.
- December, 1922. 1. Flood control at Kansas City (How a river is being diverted and carried through a hill). 1 p. 2. Blasting a channel through a river's rocky bottom (How New York is meeting the demand of big modern ships for harbor waterways of 40-ft. depth). 2 p.
- January, 1923. 1. Two bridges in one—Chicago's Michigan avenue bridge. By William A. Mulcahy. 1 p. 2. Making the Mississippi rebuild its banks. (Ingenuous method of reclaiming eroded land by a mat of trees). 1 p.
- February, 1923. 1. Doubling New York's water supply (Two additional lines of 11-foot pipe increase aqueduct capacity to 500,000,000 gallons per day). 1 p. 2. The world's largest vehicular tunnel. (Construction and method of ventilation of the Hudson River tunnel) By J. Bernard Walker. 3. From paper model to concrete arch (How the one affords an accurate prediction of the behavior of the other). 1 p.
- March, 1923. 1. Ventilating a vehicular tunnel (Pittsburgh's liberty tube, and its bearing upon the Hudson River bore). By Charles Frederick Carter. 1½ p. 2. Digging from below, up (A dam-construction problem involving a deep and narrow trench in treacherous ground). By J. F. Springer. 1½ p.

The Dock & Harbour Authority

- Vol. III. No. 27. January, 1923. 1. The development of the port of Kobe. By O. Matsumoto. 8 p. 2. The ports of the Dutch Indies. By Wouter Cool. 6 p. 3. Electric cranes. By C. H. Woodfield. 4½ p.
- Vol. III. No. 28. February, 1923. 1. The development of a Chilean Port. By Edwards Reyes Cox. 5 p. 2. The stability of quay walls. By W. Y. Chamberlain. 4 p. 3. Coal handling installation at Baltimore, U. S. A. By G. E. Titcomb. 5 p.

The Engineer

- Vol. CXXXV. No. 3499. Jan. 19, 1923. 1. Suggested new water supply for Singapore. 1 p.
- Vol. CXXXV. No. 3501. Feb. 2, 1923. 1. Girder bridge design. By T. C. Hood. 1 p.

- Vol. CXXXV. No. 3502. Feb. 9, 1923. 1. Precision measuring instrument for small motions of solid bodies. By H. A. Thomas. 2 p.
- Vol. CXXXV. No. 3503. Feb. 16, 1923. 1. New landing stage and wharf at Gosport. 1 p.

The Far Eastern Review

- Vol. XVIII. No. 12. December, 1922. 1. Report upon a project for bridging the Yangtze River between cities of Nanking and Pukow. By J. A. L. Waddell. 3 p. 2. A hydraulic pile for use on the yellow River bridge and for other foundations in China. By J. A. L. Waddell. 1½ p. 3. Electrical development in Japan. By H. C. Huggins. 7½ p.
- Vol. XIX. No. 1. January, 1923. 1. Hydro-electric power in the Netherlands East India. 4 p.
- Vol. XIX. No. 2. February, 1923. 1. Construction of a 305-foot span railway bridge. By E. T. Forestier. 3 p. 2. Conservancy work in China: 2 p. 3. Japan's river improvement program. 6 p.

The Indian and Eastern Engineer

- Vol. LII. No. 1. January, 1923. 1. Modern hydraulic turbines. Part III. 2½ p. 2. The hydraulic ram. 3 p.
- Vol. LII. No. 2. February, 1923. 1. The Beaumont montoux hydro-electric station. By G. Sundaram. 3 p. 2. Hydro-electric development of the Romanche. 3 p.

The Journal of the Institution of Municipal and County Engineers

- Vol. XLIX. No. 14. 2nd Jan., 1923. 1. Plant and processes of interest to municipal and county engineers. (Report of judges on trials and demonstrations at Cardiff, June, 1922). 81 p.
- Vol. XLIX. No. 15. 16th Jan., 1923. 1. Description of new reinforced concrete bridge at Loughor. By Geo. A. Phillips. 8 p. 2. Some municipal works in progress at Hendon. By A. O. Knight. 4 p. 3. Rhoose village drainage, 1922. By T. Exley-Fisher. 5 p.
- Vol. XLIX. No. 16. 30th Jan., 1923. 1. Improvements in the sanitary appliances and fittings for new housing schemes, having regard to efficiency and economy. By Harvey R. Sayer. 20 p.

The Military Engineer

- Vol. XV. No. 79. Jan.—Feb., 1923. 1. The delta of the Mississippi River. By Elliott J. Dent. 5 p.
- Vol. XV. No. 80. Mar.—Apr., 1923. 1. The street system of a modern city. By F. S. Besson. 7 p.

The Railway Engineer

- Vol. XLIV. No. 516. January, 1923. 1. The "neutral" steel process in rail manufacture. By Cecil J. Allen. 3 p. 2. Automatic signals on single lines. Victorian Government railways. 4 p. 3. Tunnels—XXXIII. 5½ p.
- Vol. XLIV. No. 517. February, 1923. 1. Track circuiting a very wet tunnel. 2 p. 2. Floor-strengthening work at the Forth Bridge. 2 p.

The Railway Gazette

- Vol. XXXVII. No. 20. Nov. 17, 1922. 1. Some Caledonian Railway marshalling yards. 5 p.
- Vol. XXXVII. No. 21. Nov. 21, 1922. 1. The traffic problems of Sydney, New South Wales, and its solution. By J. J. C. Bradfield. 6 p.

- Vol. XXXVII. No. 22. Dec. 1, 1922. 1. New headquarters main line control. North Eastern Railway. 2 p. 2. Railway crossing protection. 1 p. 3. Permanent way diagrams. Great North of Scotland Railway. $\frac{1}{2}$ p. with 1 Diagram. 4. Reorganisation of operating departments. Great Indian Railway. 4 p.
- Vol. XXXVII. No. 23. Dec. 8, 1922. 1. Girder renewals on the South Indian Railway. $2\frac{1}{2}$ p. 2. High-capacity steam breakdown cranes. 3 p.
- Vol. XXXVII. No. 24. Dec. 15, 1922. 1. Protecting single lines by automatic signals. 2 p.
- Vol. XXXVII. No. 26. Dec. 29, 1922. 1. Goods station working on the Midland Railway. $13\frac{1}{2}$ p.
- Vol. XXXVIII. No. 1. Jan., 1923. 1. Some Caledonian stations and their traffic. $6\frac{1}{2}$ p. 2. The King's Ferry Bridge over the Swale. 2 p.
- Vol. XXXVIII. No. 5. Feb. 2, 1923. 1. Alterations at King's Cross Station, London & North Eastern Railway. 5 p.

The Railway Magazine

- Vol. LI. No. 306. December, 1922. 1. The Bombay suburban services of the Great Indian Peninsula Railway. By B.D. Sullock. 5 p.
- Vol. LII. No. 307. January, 1923. 1. Tay Bridge station, North British Railway. By J. F. Gains. 6 p.

The Surveyor

- Vol. LXIII. No. 1616. Jan. 5, 1923. 1. The construction of a storage reservoir on the site of underground workings. By T.C. Greenfield. 4 p.
- Vol. LXIII. No. 1617. Jan. 12, 1923. 1. Astronomical observations. By Humphrey P. H. Morgan. 2 p.
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