

# 新 刊 紹 介

土木學會誌 第九卷第三號 大正十二年六月

- Eenezit, M.—Cours de Paris et Travaux maritimes Livre I, II, III, Librairie de l'Enseignement technique, Léon Eyrolles, Paris. Prix: 72 francs.
- Eiand, M. C.—Handbook of steel erection. 4×7, 241 P., 39 line cuts and half tones, flexible. Price: \$ 250.
- Creager, W. F.—La construction des grands barrages en Amerique. Un volume in-8° raisin 25×16 de 243 pages, 88 figures et 7 planches. Gauthier-Villars et Cie, Paris. Prix: 25 francs.
- Dufour, A.—Cours de chemins de fer. Un volume in folio tellière (21×31), de 390 pages et 270 figures, et 2 atlas de respectivement 87 et 151 planches hors texte. Librairie de l'Enseignement technique, Léon Eynolles, Paris. Prix: 180 francs.
- Fichant E.—Les marées et leur utilisation industrielle. Un volume in-8° couronne de VI-256 pages. Gauthier-Villars et Cie, Paris. Prix: 9 francs.
- Hetzl, F. V.—Belt conveyers and belt elevators, 9×6, 333 P., 291 illustrations, 58 tables, cloth, John Wiley & Sons, New York, 1922.
- Levy-Salvador—Hydraulique agricolde. Tome III: Enax nuisibles. Un volume 12×18 de VI-404 pages, avec 237 figures. Dunod, Paris. Prix: 37 francs.
- Massey, G. B.—The engineering of excavation. 6×9, 376 P., 196 half tones and line cuts, cloth. Price: \$ 630
- Pond, De Witt C.—Concrete construction for architects. 6×9, 203 P., 89 line cuts, cloth. Price: \$ 4.00
- Ruble Roland O.—Experiments on loss of head. 6×9, 143 P., line cuts, paper. 75C.
- Ponts et routes. Un volume in-16 de 785 pages, avec de nombreuses figures et tableaux. Ch Béranger, Paris et Liège. Prix: 35 francs.

新刊紹介  
内外諸雜誌主要題目

## 内外諸雜誌主要題目

### 土木建築雜誌

- 第二卷 第四號 大正十二年四月十五日 1. 陸地測量部三角點利用法. 中原貞三郎. 3頁. 2. 公式の圖解に就て. (其の二) 平井復二郎. 3頁. 3. 都市計畫に於ける道路網の設計に就て. 若杉直. 4頁. 4. 隧道断面形と土壓. (其の一). 3頁.

### 工 學

- 第十卷 第四卷(第百八號) 大正十二年五月一日 1. 砂防堰堤に就て. (四) 浦学. 8頁. 2. 水造棧橋の一例. 友松仙藏. 8頁. 3. 朝鮮に於ける都市計畫の一例. (九) 上田政義. 7頁. 4. アスファルト及び其の價值. (六) 市川良正. 5頁.

### 工 業 雜 誌

- 第五十八卷 第七百四十五號 大正十二年四月五日 1. 地下鐵道の緩和曲線. 板倉重義. 10頁.
- 第五十八卷 第七百四十六號 大正十二年四月二十日 1. 森式量水計の作用及び其應用. 森吉吉. 9頁.
- 第五十八卷 第七百四十七號 大正十二年五月五日 1. 合成梁及合成柱の強さ. 非口在屋. 3頁. 2. 流體の抵抗微分係數と其の應用に就て. 内藤秀夫. 7頁. 3. 大宮驛構内深井鑿穿工事概要. 小野涼兄. 9頁.

## Beton u. Eisen.

22. Jahrg. Heft 4. 20. Feb. 1923. 1. Neuere Eisenbetonbauten in Argentinien und Uruguay. 3 p. 2. Unsymmetrische Eisenbeton kuppel für d s Union-Theater, Saarbrücken. Von G. Lüth. 4½p. 3. Berechnung der Brückengewölbe für Winddruck, exzentrische Belastung und einseitige Erwärmung. Von E. Mörsch. 3½p.
22. Jahrg. Heft 5. 5. März 1923. 1. Anwendungsmöglichkeit der Stampfbeton bei gewölbten Tragwerken. Von Eduard Proksch. 2p. 2. Der geschlossene Dreieckrahmen. Von Felix Sitte. 2p.
22. Jahrg. Heft 6. 20. März 1923. 1. Die Brücke über das Unterhaupt der Aufstiegschleuse bei Linden. 1 p. 2. Der geschlossene Dreieckrahmen. Von Felix Sitte. 2p.

## Canadian Engineer

- Vol. 44. No. 10. Mar 6, 1923. 1. Convention of Canadian water works officials. 8½p. 2. Water-chlorination apparatus and its control. 5 p.
- Vol. 44. No. 11. Mar. 13, 1923. 1. Application of aerial phot graphs to map making. By Major Douglas H. Nelles. 6½p. 2. Transportation problems of the Toronto district. By Henry K. Wicksteed. 4½p.
- Vol. 44. No. 12. Mar. 20, 1923. 1. Outdoor swimming pool, Riverside Park, Edmonton. By R. J. Gibb. 5 p. 2. Derivation of hydraulic equation for gauge relations and discharges. By D. K. C. Strathearn. 3p. 3. Garbage incinerator at Chatham, Ont. 1 p.
- Vol. 44. No. 13. Mar. 27, 1923. 1. Design of storm overflow sewers, Hamilton, Ont. By H. S. Philips. 5 p. 2. Road machinery and its economic aspect. By Fred L. Macpherson. 4p.
- Vol. 44. No. 14. Apr. 3, 1923. 1. Results of U. S. government road investigations. By A. T. Goldbeck. 4 p. 2. Inundation methods for measurements of sand. By G. A. Smith and W. A. Slater. 4½p.
- Vol. 44. No. 15. Apr. 10, 1923. 1. Breakwater construction, Tronto Island shore. By John M. Wilson. 4 p. 2. Measuring flow of streams. 2½p.
- Vol. 44. No. 16. Apr. 17, 1923. 1. Sewage disposal plant at Crystal Beach, Ont. By E. H. Darling. 4 p. 2. Principal features in design of open ditches. By Geo. A. Mc Cubbin. 3½p.
- Vol. 44. No. 17. Apr. 24, 1923. 1. Gerrard Street steel arch bridge, Toronto. By J. S. Burgoyne and G. Alison. 4 p. 2. Repairing of roof trusses in Toronto City Hall. 2 p.

## Concrete and Constructional Engineering

- Vol. XVIII. No. 3. March. 1923. 1. The design of steel-frame buildings. By Ewart S. Andrews. 6 p. 2. Extensions at Tilbury Docks. 9p. 3. Reinforced concrete pumping-station at Aberdeen. By James Mitchell. 14p. 4. Combination pre-cast and in situ reinforced concrete bridge. 7 p. 5. The dam at the Portes du Fier. 3 p.

## Electric Railway Journal

- Vol. 61. No. 10. Mar. 10, 1923. 1. Rerouting would save money in Richmond. 5½p.
- Vol. 61. No. 11. Mar. 17, 1923. 1. Chrome-nickel steel in special work. By F. O. Hibbard. 7 p. 2. Signal maintenance on an Oregon Railway. By H. J. Charters. 3½p.
- Vol. 61. No. 13. Mar. 31, 1923. 1. New terminal in Baltimore. 3 p. 2. Tests of welded joints by the Boston Elevated Railway. 6 p.
- Vol. 61. No. 14. Apr. 7, 1923. 1. Northern Texas has new interurban. By Som R. Fowler. 5½p.
- Vol. 61. No. 15. Apr. 14, 1923. 1. Way construction experience in Portland. By F. I. Fuller. 2 p. 2. Latest practices followed in new St. Louis carhouse and storage yard. 2p.

## Engineering

- Vol. CXV. No. 2985. Mar. 16, 1923. 1. Reinforced concrete pier at Shellhaven. 3 p. with 1 plate.

## Engineering News-Record

- Vol. 90. No. 9. Mar. 1, 1923. 1. Long-span steel arch bridge over Niagara gorge for Michigan Central R. R. 7 p. 2. The Apulian aqueduct—Southern Italy's water supply. By I. Gutmann. 6 p. 3. Speeding up traffic at street intersections. By Herfert S. Swan. 5 p.
- Vol. 90. No. 10. Mar. 8, 1923. 1. Grade reduction and widening on Illinois Central R. R. 2½ p. 2. Further track test data: Rail stresses and track distortion on curves. 6 p.
- Vol. 90. No. 11. Mar. 15, 1923. 1. Bridging the Tanana River on the Alaska Railroad. By Frederick Mears. 6½ p.
- Vol. 90. No. 13. Mar. 29, 1923. 1. Flat-slab designs for two railway elevated stations. By M. Hirschthal. 6 p. 2. Records of walking dredge work in delta land drainage. By Albert S. Fry. 4½ p. 3. A study of office-building live-loads. 3 p.
- Vol. 90. No. 14. Apr. 5, 1923. 1. Concrete frame and exterior for high tower building. By W. J. Knight. 3½ p. 2. Flood conditions and land filling at Cairo, Ill. 2½ p. 3. Effects of grouting and gravel packing around tunnel. By W. E. Thompson. 3 p. 4. New system of sewage treatment at Graham, Texas. By Henry E. Elrod. 3½ p. 5. Methods for determining street pavement crowns. By F. S. Besson. 2½ p.
- Vol. 90. No. 15. Apr. 12, 1923. 1. Building a new concrete bridge over an old one. 3 p. 2. Shrinkage and temperature changes in reinforced concrete. By E. H. Harder. 4 p. 3. Winds and barometric effects on the Great Lakes. By John F. Hayford. 4 p. 4. Structure of collapsed Hartford water-tank tower. By Prof. C. T. Bishop. 2 p.
- Vol. 90. No. 17. Apr. 26, 1923. 1. Concrete road maintenance methods and tools. By G. C. Dillman. 3½ p. 2. City controls sub-surface use of public Streets. By Charles U. Powell. 1 p. 3. Gravity freight yard at Canton, Ohio; W. & L. E. Ry. 3 p.

## Journal of the Western Society of Engineers

- Vol. XXVIII. No. 3. March, 1923. 1. Stadium design. By H. J. Bart. 15 p. 2. Expansion joints. By A. M. Korsmo. 3 p.
- Vol. XXVIII. No. 4. April, 1923. 1. Chicago sewer system. By George C. D. Lenth. 10p. 2. Water supply of cities; general and fundamental principles. By Dafney H. Mury. 20p. 3. The Chicago water works. By M. B. Reynolds. 7 p. 4. What metering would do for the Chicago water works. By L. R. Howson. 14p.

## La Houille Blanche

- 22 Année. No. 73. 74. Jan.—Fév., 1923. 1. Les distribution d'énergie électrique en Californie. Par M. Darrieus. 8 p. 2. La houille blanche dans le Massif Central Français. Par M. Raoul Blanchard. 11 p.

## Le Génie Civil

- Tome LXXXII. No. 7. 17 Fév., 1923. 1. Le port de Dantzig. Description générale. Développement du trafic. Par E. Nagorski 6 p.
- Tome LXXXII. No. 8. 24 Fév., 1923. 1. L'urbanisme en Allemagne, Les revêtements des chaussées. Par Georges Mesnard. 2 p.
- Tome LXXXII. No. 9. 3 Mars 1923. 1. La machine à creuser les tunnels, système Whitaker. 3 p.
- Tome LXXXII. No. 10. 10 mars 1923. 1. Hangar en béton armé, pour avions, construit pour le Service technique de l'Aéronautique, à Villacoublay (Seine-et-Oise). Par André Lesage.
- Tome LXXXII. No. 11. 17 Mars 1923. 1. Le pont à transbordeur sur le Riachuele, à Buenos-Ayres. Par E. Guérin. 5 p.
- Tome LXXXII. No. 15. 14 Avril 1923. 1. Grue pivotante et basculante de 60 tonnes, installée aux Chantiers navals d'Harfleur (Seine-Inférieure) 2½ p. 2. L'utilisation d'une rigle à calcul pour l'étude des projets de béton armé. Par René Deguillaume. 5 p.

## Transactions of the American Society of Civil Engineers.

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- Vol. LXXXV. 1922.** 1. The flood of June, 1921, in The Arkansas River, at Pueblo, Colorado. By J. Munn and J. L. Savage. 65 p. 2. Rainfall and run-off studies. By C. E. Grunsky. 71 p. 3. National port problems: A symposium. 96 p. 4. The circular arch under normal loads. By William Cain. 51 p. 5. The relation between deflections and stresses in arch dams. By F. A. Noetzi. 70 p. 6. Odors and their travel habits. By Louis L. Tribus. 52 p. 7. Stream pollution and sewage disposal: A symposium. 45 p. 8. Water supply and water purification: A Symposium. 43 p. 9. A review of important developments in the science of Cadastral resurveys as executed by the United States Government, with ethical discussion thereof. 58 p. 10. Buckling of elastic structures. By H. M. Westergaard. 101 p. 11. Winter overflow from ice gorging on shallow streams. By T. C. Stevens. 22 p. 12. The area of water surface as a controlling factor in the condition of polluted harbor waters. By Richard H. Gould. 30 p. 13. The national housing problem: A symposium. 99 p. 14. The design of aeration units and sedimentation tanks for the activated sludge sewage disposal plant at Milwaukee, Wisconsin. By Darwin W. Townsend. 32 p. 15. Construction progress of the Hetch Hetchy water supply of San Francisco, California. By M. M. O'Shaughnessy. 41 p. 16. The continuous truss bridge over the Ohio River at Sciotoville, Ohio, of the Chesapeake and Ohio Northern Railway. By Gustav Lindenthal. 66 p. 17. Water transportation: A symposium. 29 p. 18. Railroad transportation: A symposium. 29 p. 19. Highway transportation: A symposium. 64 p. 20. Siphon spillways. By G. F. Sickney. 54 p. 21. The reconstruction of the Baltimore and Ohio Railroad bridge crossing the Allegheny River, at Pittsburgh, Pennsylvania. By Philip George Lang, Jr. 21 p. 22. Core studies in the hydraulic-fill dams of the Miami conservancy district. By Charles H. Paul. 56 p. 23. The American mixed-flow turbine and its setting. By Arthur T. Safford and Edward Pierce Hamilton. 120 p. 24. Surge tanks. By B. F. Takobson. 23 p. 25. Flood problems: A symposium. 180 p. 26. Transmission of pressure through solids and soils and the related engineering phenomena. By George Paaswell. 38 p. 27. Construction progress of the Hetch Hetchy water supply of San Francisco. Discussion: By J. D. Galloway. 4 p.

### Public Works

- Vol. 54. No. 3. March, 1923.** 1. Developments in earth excavation. By Geo. B. Massey. 4 p. 2. Constructing earth dams in Vermont. 2½ p.
- Vol. 54. No. 4. April, 1923.** 1. Unusual features of a Florida concrete road. By M. C. Winterburn. 3 p. 2. Broken stone bases and brick pavements. By C. C. Brown. 5½ p.

### Railway Age

- Vol. 74. No. 9. Mar. 3, 1923.** 1. Signaling increases capacity of three tracks. 3 p. 2. Creosote shortage threatens wood preservation. By C. M. Taylor. 2½ p.
- Vol. 74. No. 10. Mar. 10, 1923.** 1. Mechanical equipment saves men and money. By G. L. Moore. 4 p. 2. How automatic train control affects operations. By F. L. Dodgson. 5 p.
- Vol. 74. No. 15. Mar. 17, 1923.** 1. All-electric passenger service for New Haven. By W. J. Cardy. 2½ p.
- Vol. 74. No. 17. Mar. 31, 1923.** 1. Erie builds new type pier at Weehawken, N. J. 3½ p. 2. Test of the Automatic Control Company's device. 2 p.
- Vol. 74. No. 18. April 7, 1923.** 1. Portland Terminal Company increases facilities. 3 p.
- Vol. 74. No. 19. April 14, 1923.** 1. Grade change improves helper performance. 3½ p.
- Vol. 74. No. 20. April 21, 1923.** 1. L. & N. designs bridge to resist gulf Hurricanes. 2 p.

### Railway Engineering and Maintenance

- Vol. 19. No. 4. April, 1923.** 1. Handling concrete with motor cars. 3 p.

### Railway Review

- Vol. 72. No. 10. Mar. 10, 1923.** 1. Freight terminal improvement at Denison, Texas. M. K. & T. Railway. 7 p. 2. Concrete freight house of Central of Georgia Ry., at Macon. 3 p.

- Vol. 72. No. 11. Mar. 17, 1923. 1. Modern freight pier of the Erie R. R. at Weehawken, N. J. 7 p.
- Vol. 72. No. 12. Mar. 24, 1923. 1. Concrete slab track support, New Union Station Chicago. 5 p. 2. Some fundamentals of train control. By F. L. Dodgson. 6 p.
- Vol. 72. No. 13. Mar. 31, 1923. 1. New electric interlocking on the Delaware & Hudson Co. By W. G. Burns. 2½ p.
- Vol. 72. No. 14. Apr. 7, 1923. 1. Construction of Union passenger station at Indianapolis. 9½ p.
- Vol. 72. No. 15. Apr. 14, 1923. 1. Single track operation by signal indication. 4 p. 2. New grain terminal, Locust Point, Baltimore & Ohio. 2 p. 3. New tie treating plant of the Oregon Short Line. 3 p.

### The Dock & Harbour Authority

- Vol. III. No. 29. March, 1923. 1. The dock system of Bremen: a modernised German port. By Herr Tillman and Herr Hacker. 5 p. 2. The stability of quay walls. By W. Y. Chambrlain. 2 p. 3. The New Orleans navigation canal. By J. H. Walsh. 5 p.
- Vol. III. No. 30. April 1923. 1. Wellington Harbour, New Zealand, and the port of Wellington. By H. E. Nicholls. 8 p. 2. The stresses in deeply founded quay walls. By James Macfadzeau. 1 p.

### The Engineer

- Vol. CXXXV. No. 3506. Mar. 9, 1923. 1. The central electric generating station at Comines. 4 p.
- Vol. CXXXV. No. 3507. Mar. 16, 1923. 1. The central electric generating station at Comines. 2 p.
- Vol. CXXXV. No. 3508. Mar. 23, 1923. 1. New bridge at Muskham on the Great North Road. 2 p.
- Vol. CXXXV. No. 3509. Mar. 30, 1923. 1. The Inchinnan Bridge at Renfrew. 3½ p.
- Vol. CXXXV. No. 3510. Apr. 6, 1923. 1. Stadium in Wembley Park. 4 p.

### The Far Eastern Review

- Vol. XIX. No. 3. March, 1923. 1. Cement industry in the Orient. By M. H. Chou. 6 p. 2. The purification of water supplies with special reference to Shanghai. By C. D. Pearson. 6 p. 3. The Bangkok water supply. By Fernand Didier. 5½ p.
- Vol. XIX. No. 4. April, 1923. 1. Railways and roads in North Borneo. By G. C. Irving. 3 p. 2. For a greater Tokyo. 4 p. 3. A super-power zone in Japan. 9 p.

### The Railway Engineer

- Vol. XLIV. No. 518. March, 1923. 1. Power operation of points in marshalling yards. 6 p. 2. Alterations at king's cross station, London, & North Eastern Railway. 5½ p.
- Vol. XLIV. No. 519. April, 1923. 1. Automatic speed signalling on the Victorian Railways. 4 p. 2. Wind-pressures on bridges. 1½ p. 3. Tunnels—XXXIV. 5 p.

### The Railway Gazette

- Vol. XXXVIII. No. 9. Mar. 2, 1923. 1. Main line control, North Eastern area, London & North Eastern Railway. 11 p.
- Vol. XXXVIII. No. 10. Mar. 9, 1923. 1. Route-lever signalling at Winchester (Cheesehill). 5 p.
- Vol. XXXVIII. No. 11. Mar. 16, 1923. 1. The suburban traffic problem of Paris. 4 p.

Vol. XXXVIII. No. 13. Mar. 30, 1923. 1. The proposed Vizagapatam Harbour on the East Coast of India. 2 p.

Vol. XXXVIII. No. 14. Apr. 6, 1923. 1. Railway crossings for heavy service. 2p.

Vol. XXXVIII. No. 15. Apr. 13, 1923. 1. Track circuit developments on the underground railways. 1 p. 2. A modern system of overhead railway track construction. 1½ p.

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### Water and Water Engineering

Vol. XXV. No. 291. March, 20, 1923. 1. Modern hydraulic turbine. By J. Johnstone Taylor. 3 p. 2. Some notes on the utilisation of water power. By Capt. H. Whittaker. 2 p. 3. The theory of subsidences. By Prof. Henry Louis. 3 p.

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