

新刊紹介

土木學會誌 第九卷第一號 大正十二年二月

- Autenrieth, Ed.—Technische Mechanik, verbesserte Auflage. Julius Springer, Berlin 1922. Preis; geb. Fr. 23,40.
- Beckel, Edwin C.—Cements limes and plasters, 6×9, 655 P.; halftones, tables and line cuts. cloth. John Wiley & Sons, New York. Price: \$ 6.50 net.
- Gregor, A.—Der praktische Eisenbochbau. 462 S. mit zahlreichen Abbildungen. Hermann Meuser. Berlin 1922. Preis: (Geb. 550 M.
- Hewett, B. H. M.—Shield and compressed air tunneling. 6×9, 465 P.; cloth. Mc Graw—Hill Book Co., New York and London. Price: \$ 5.
- Kriso, Karl—Statik der Vierendeckträger. Julius Springer. Berlin 1922. Preis: Geb. 140 M.
- Schaper, G.—Eiserne Brücken. Fünfte, vollständig neu bearbeitete und stark vermehrte Auflage. Mit 1885 Textabbildungen. Wilhelm Ernst & Sohn, Berlin 1922. Preis: Geh. 1200 M., Geb. 1380 M.
- Steinmann, D. B.—A practical treatise on suspension bridges. 6×9, 294 P.; 62 line cuts and halftones. John Wiley & Sons, New York. Price: \$ 4. net.
- Townsend, Curtis McD.—The hydraulic principles governing river and harbor construction. 6×9, 189 P.; 5 line cuts. The Macmillan Co., New York. Price: \$ 2.60.
- Webb, Walter Loring.—Railroad construction 4½×7, 845 P.; including two hundred pages of logarithmic tables; halftones and line cuts. John Wiley & Sons, New York. Price: \$ 5.

内外諸雜誌主要題目

土木建築雜誌

- 第二卷 第一號 大正十二年一月十五日。 1. 住宅の集合體と共同衛生設備の完成。大熊喜邦。2頁
2. 如何にして單線鐵道の輸送力を増進すべきや、橋本敬之。2頁。 3. 坑内瓦斯と瓦斯中毒處理法。坂岡末太郎。2頁。 4. 軌條頭部磨耗に就て。岡野昇。1½頁。 5. 瀝青混凝土鋪道施工上の注意。(其の二)。山本亨。3頁。

工學

- 第九卷 第十二號 大正十一年十二月十日。 1. 工業廢水の處理に就て (四)。坂田時和。10頁。 2. 道路の防塵法に就て (七)。有元岩鶴。3頁。 3. スファルト及び其の價値 (二)。市川良正。4頁。 4. 朝鮮に於ける都市計畫の一例。(六) 上田政義。10頁。
- 第十卷 第一號 大正十二年一月十日。 1. 水道鐵管に就いて。坂田時和。9頁。 2. 一石橋。佐竹昌志。9頁。 3. 瀝青鋪道に於けるファイラーの效果。(一)。山本亨。2頁。 4. 杭及び基礎杭。(七) 金森誠之。8頁。 5. 道路の防塵法に就て。(八) 有元岩鶴。4頁。 6. アスファルト及び其の價値。(三)。市川良正。4頁。 7. 朝鮮に於ける都市計畫の一例。(七)。上田政義。6頁。 8. 釜山築港工事に於ける石材採取の實績。岡田健藏。5頁。

帝國鐵道協會會報

- 第二十四卷 第一號 大正十二年一月十五日。 1. 熱海線工事に就て。太田圓三。8頁

Annales des Travaux Publics de Belgique.

- Tome XXIII.**—5^e Fascicule. Octobre, 1922. 1. Contribution à l'étude théorique des fleuves à marée et application aux rivières à marée du bassin de l'Escaut maritime. Par L. Bonnet. 42p.
2. Le Gladstone Graving Dock de Liverpool et les nouvelles installations du port de Londres. 33p.

Beton u. Eisen.

- XXI. Jahry. Heft 17.** 20. Oktober 1922. 1. Ein Rückblick auf die Entwicklung weitgespannter Massivbrücken. Von Gerhard Neumann. 2½p.

Canadian Engineer

- Vol. 43. No. 16.** Oct. 17, 1922. 1. Sewage pumping station for London, Ontario. By Hector S. Philips. 3p.
Vol. 43. No. 17. Oct. 24, 1922. 1. Method of determining thrust in skew arches. 3p.
Vol. 43. No. 19. Nov. 7, 1922. 1. Hydro-electric development on the Abitibi River. By James Dick. 4½p. 2. Cost of making and selling a barrel of cement. 2½p.
Vol. 43. No. 20. Nov. 14, 1922. 1. Steel highway bridge over the Batiscan River. By F. B. Painehaud. 2p. 2. Ballantyne pier, Vancouver, B. C. 1p.

Concrete and Constructional Engineering

- Vol. XVII. No. 11,** November, 1922. 1. Some special types of retaining walls. By R. N. Stroyer. 4½p. 2. Municipal bathing pool design and construction. By Charles Elliott. 6p.

Electric Railway Journal

- Vol. 60. No. 17.** Oct. 21, 1922. 1. Cast welded joints in Brooklyn. By G. H. McKelway. 3p.
Vol. 60. No. 18. Oct. 28, 1922. 1. Welding practice of the Pacific Electric. By Clifford A. Elliott. 2½p.
Vol. 60. No. 19. Nov. 4, 1922. 1. Excavating track in chunks with a derrick. By R. C. Cram. 3½p. 2. Track in paved streets. 3p.
Vol. 60. No. 20. Nov. 11, 1922. 1. Expediting traffic at a busy beach. 2½p. 2. Design and construction of streets for street railway traffic. 2p.

Engineering

- Vol. CXIV. No. 2962.** Oct. 6, 1922. 1. The Littleton Reservoir for the Metropolitan Water Board. 3p. 2. Elnahuelo transporter bridge, Buenos Aires. By P. J. Ridson. 1½p.
Vol. CXIV. No. 2964. Oct. 20, 1922. 1. The Littleton Reservoir for the Metropolitan Water Board. 4p. 2. Floor slab, beam and column testing machine at the National Physical Laboratory. 3p.
Vol. CXIV. No. 2967. Nov. 10, 1922. 1. The Paris water supply. 3½p.
Vol. CXIV. No. 2968. Nov. 17, 1922. 1. Rainfall and flood. 2p.
Vol. CXIV. No. 2969. Nov. 24, 1922. 1. The Fully hydro-electric power station, Switzerland. 5p.
Vol. CXIV. No. 2970. Dec. 1, 1922. 1. The Fully hydro-electric power station, Switzerland. 4p.

Engineering News-Record

- Vol. 89. No. 15.** Oct. 12, 1922. 1. Marking system for Illinois State roads. By Ralph R. Benedict. 2p. 2. Aerial tramways serve mixing plant at Gilboa Dam. By Charles K. Traber. 2½p. 3. Flow in Tennessee checked against hydraulic formulas. 3p.
- Vol. 89. No. 16.** Oct. 19, 1922. 1. Capacity of Panama Canal ample for at least 30 years. By J. N. Baxter. 4p. 2. Design of sewage dosing tanks for trickling filters. By Edmund B. Bes-selievre. 2½p.
- Vol. 89. No. 17.** Oct. 26, 1922. 1. Experience with breakwater design on the Great Lakes. 3½p. 2. Flow of fluids through commercial pipe lines. By Robert E. Wilson and W. H. McAdams. 4p.
- Vol. 89. No. 18.** Nov. 2, 1922. 1. Old suspension bridge used in electing new arch. By C. B. McCullough. 4p. 2. Detroit's intensive sewer construction program. By J. E. Hendry. 4p.
- Vol. 89. No. 19.** Nov. 9, 1922. 1. Lackawanna continues grade crossing elimination. 4p. 2. Repairing the spillway to the Gibraltar Dam. By R. A. Hill. 3½p.
- Vol. 89. No. 20.** Nov. 16, 1922. 1. Floating concrete dam built on the Gila River. By C. J. Blanchard. 5p. 2. Studies of discharge of sanitary sewers at Phoenix. By S. M. Cotten. 3p. 3. Traffic-storage at Congested street crossings. By Clarence W. Farrier. 2p. 4. Rules for rivet-hole deduction in tension members. By Victor H. Cochrane. 2p.

新
刊
雜
志
外
語
雜
誌
主
要
題
目

Engineers and Engineering

- October, 1922. 1. Zoning in its relation to city development. 7p.

Engineering World

- Vol. 21. No. 4.** October, 1922. 1. Pressed steel in building construction. By A. H. Bromley. 4p. 2. Chemistry of Portland cement. By Prof. T. Thorvaldson. 4p.
- Vol. 21. No. 5.** November, 1922. 1. Report on Great Lakes-St. Lawrence deep waterway. 2½p. 2. Missouri River bank protection at Omaha. By Frank D. Tomson. 2½p. 3. Manufacture and installation of lock-joint concrete pipe. By W. H. Nalder. 4½p. 4. Port improvements of Buenos Aires. 4p. 5. Frictional coefficient of concrete surfaces in pipe and channels. By E. Parry. 3p.

Journal of the Western Society of Engineers

- Vol. XXVII. No. 11.** November, 1922. 1. Construction data and tests on bates experimental highway. By Clifford Older. 21p. 2. Asphalt: Occurrence, production and preparation for use in highway construction. By John B. Hittell. 11p.

La Houille Blanche

- 21^e Année. No. 178.** Sept.-Oct., 1922. 1. La ligne à 135,000 volts Miccourt-Colmar des Forces Motrices du Haut-Rhin à Mulhouse. Par Labbé. 6p. 2. L'Electrification partielle du réseau de la Compagnie des Chemins de fer d'Orléans. Par M. H. Parodi. 5p. 3. Les lois physiques de l'écoulement des fluides. Par A. Foch. 4p.

三

Le Génie Civil

- Tome LXXXI. No. 20.** 11 Nov., 1922. 1. La nouvelle locomotive électrique à courant continu des Chemins de fer du Midi. Les usines de Trarbes de la Compagnie des constructions électriques de France. 3½p.
- Tome LXXXI. No. 22.** 25 Nov., 1922. 1. Le port de Saigon-Cholon (Cochinchine). 6p.

Proceedings of the American Society of Civil Engineers.

新
刊
紹
介
外
內
諸
雜
誌
主
要
題
目

- Vol. XLVIII. No. 8. October, 1922. 1. Bond strength of wood piles in concrete. By R. E. Lundahl. 12p. 2. The comparison of concrete groined arches as an aid in their design. By Philip O. Macqueen. 10p. 3. Locomotive loadings for railway bridges. (Discussion). 3p. 4. Tentative specifications for steel railway bridges (Discussion). 12p.
- Vol. XLVIII. No. 9. November, 1922. 1. The Colorado River development. By Arthur P. Davis. 2. Present tendencies of water-power development in New York State. By John P. Hogan. 17p. 3. High-voltage power transmission. By F. W. Peek. 15p. 4. Locomotive loadings for railway bridges. (Discussion) 18p. 5. Tests of concrete in sea water. (Discussion). 4p. 6. Tentative specifications for concrete and reinforced concrete (Discussion) 4p.
- Vol. XLVIII. No. 10. December, 1922. 1. Aerial photography as an aid in map making, with special reference to water power surveys. By Gerard H. Matthes. 22p. 2. Hydro-electric developments on the Pacific Coast. By John D. Galloway. 13p. 3. High-voltage phenomena encountered in power transmission. By Harris J. Ryan 6p. 4. Hydro-electric power development as related to the electrification of railroads. By C. F. Loweth. 7p. 5. Engineering geology of the Catskill Water Supply. (Discussion). 12p. 6. Locomotive loadings for railway bridges (Discussion). 7p.

Railway Age

- Vol. 73. No. 16. Oct. 14, 1922. 1. Development of concrete in railway construction. By M. Hirschthal. 4½p.
- Vol. 73. No. 17. Oct. 21, 1922. 1. I. C. adapts electrification to terminal traffic. 3p. 2. Bridge and building meeting in Cincinnati. 6p.
- Vol. 73. No. 18. Oct. 25, 1922. 1. Modern signals expedite heavy suburban traffic. 3p. 2. Development of concrete in railway construction. By M. Hirschthal. 6½p.
- Vol. 73. No. 19. Nov. 4, 1922. 1. Development of concrete in railway construction. By M. Hirschthal. 4p.
- Vol. 73. No. 21. Nov. 18, 1922. 1. A new project for a railroad to Hudson Bay. 1½p.
- Vol. 73. No. 23. Dec. 2, 1922. 1. Philadelphia & Reading builds 46-arch bridge. By Charles H. Hitchcock. 3½p.

Railway Maintenance Engineer

- Vol. 13. No. 10. October, 1922. 1. How to handle and lay concrete pipe. By Paul Kircher. 3p. 2. Extensive Water treating facilities established on the St. Paul. By C. Herschel Koyl. 2½p.
- Vol. 13. No. 12. December, 1922. 1. Promoting the art of making good concrete. By D. A. Tomlinson. 3p. 2. Canadian National builds an ingenious lift bridge. 2p.

Railway Review

- Vol. 71. No. 16. Oct. 14, 1922. 1. The performance of locomotive 7000 on the Union Pacific. 5p.
- Vol. 71. No. 18. Oct. 28, 1922. 1. Labor-saving devices in routine bridge and building work. 5½p.
- Vol. 71. No. 20. Nov. 11, 1922. 1. Flange oilers reduce rail and tire wear. 2p. 2. Atmospheric conditions in steam railway tunnels. 4p.
- Vol. 71. No. 21. Nov. 18, 1922. 1. North Hill Viaduct, Akron, Ohio, completed. By D. M. Taylor. 3½p.

Schweizerische Bauzeitung

- Band LXXX. No. 15. 7. Okt. 1922. 1. Nebenspannungen infolge vernieteter Knotenpunkt-Verbindungen eiserner Fachwerk-Brücken. 3p.
- Band LXXX. No. 16. 14. Okt. 1922. 1. Nebenspannungen infolge vernieteter Knotenpunkt-Verbindungen eiserner Fachwerk-Brücken. 2 1/2 p.
- Band LXXX. No. 17. 21. Okt. 1922. 1. Nebenspannungen infolge vernieteter Knotenpunkt-Verbindungen eiserner Fachwerk-Brücken. 3p.
- Band LXXX. No. 19. 4. Nov. 1922. 1. Hydrographische Grundlagen der Schweizerischen Wasserwirtschaft. 5p.
- Band LXXX. No. 20. 11. Nov. 1922. 1. Hydrographische Grundlagen der Schweizerischen Wasserwirtschaft. 5p.
- Band LXXX. No. 21. 18. Nov. 1922. 1. Die neue Wasserturbinen-Versuchsanstalt der A.-G. der Maschinenfabriken von Escher Wyss & Cie. Von Robert Dubs. 6 1/2 p.
- Band LXXX. No. 22. 25. Nov. 1922. 1. Die Wasserkraftanlage Fully. Einstufige Hochdruckanlage mit 1650 m. Gefälle. Von H. Chenand u. L. Dubois. 5p.
- Band LXXX. No. 24. 9. Dez. 1922. 1. Die Wasserkraftanlage Fully. Einstufige Hochdruckanlage mit 1650 m Gefälle. Von H. Chenand u. L. Dubois. 2p.

Scientific American

- October, 1922. 1. Building a bridge within a bridge. (A plan for strengthening the Brooklyn bridge and enlarging its carrying capacity) 2p.

The Dock & Harbour Authority

- Vol. III. No. 25. November, 1922. 1. The port of Manchester Its: inception and present development. By Herbert M. Gibson. 6p. 2. Cork Harbour development. 8 1/2 p.
- Vol. III. No. 26. December, 1922. 1. Auckland Harbour, New Zealand. By H. B. Burnett. 4p. 2. A notable wharf crane. 3p.

The Engineer

- Vol. CXXXIV. No. 3486. Oct. 20, 1922. 1. Reinforced concrete bridge over the River Pambayans at Chengannur. 2p.
- Vol. CXXXIV. No. 3487. Oct. 27, 1922. 1. Marseilles-Rhone Canal. 3p.
- Vol. CXXXIV. No. 3488. Nov. 3, 1922. 1. China's roads. 3p.
- Vol. CXXXIV. No. 3489. Nov. 10, 1922. 1. Skimming Rivers for irrigation water, 1 1/2 p.
- Vol. CXXXIV. No. 3493. Dec. 8, 1922. 1. Coal wharf and machinery of the North-Western Fuel Company of America. No. I. 2p.
- Vol. CXXXIV. No. 3494. Dec. 15, 1922. 1. Coal Wharf and machinery of the North-Western Fuel Company of America. No. II. 1p.

The Far Eastern Review

- Vol. XIX. No. 11. November, 1922. 1. Up-to-date sanitation for Shanghai 6 p.

The Indian and Eastern Engineer

- Vol. II. No. 5. November, 1. Bombay engineering development. 2 1/2 p. 2. Modern hydraulic turbine. 3p.

The Journal of the Institution of Municipal and County Engineers

- Vol. XLIX. No. 8. 10th Oct., 1922. 1. Notes on meters for town water distribution. By G. S. Burt Andrews. 5p. 2. A sketch of Bloemfontein's municipal works, With notes on new works proposed. By Jahn A. Caskie. 6p. 3. The road problem in South Africa. By D. E. Sloyd Davies. 6p.
- Vol. XLIX. No. 9. 24th Oct., 1922. 1. Basingstoke—Its estates and municipal undertaking. By J. H. Drew. 32p. 2. Notes on bituminous road surfacing. By W. J. Taylor. 4p.
- Vol. XLIX. No. 10. 7th Nov., 1922. 1. Some popular municipal undertakings. By Harley Heekford. 13p. 2. Grantham—Its roads, unemployment and flood. By Gilbert A. Ballard. 13p. 3. Rivers and their ways: with special reference to the ways of the witham in and around Grantham. By Henry Preston. 17p.
- Vol. XLIX. No. 11. 21st Nov., 1922. 1. The protection of low-lying land from river and sea erosion, and reclamation in estuaries—Latest practice. By Prof. E. R. Matthews. 15p. Sand lime bricks. By Percy Morris. 7p.

The Military Engineer

- Vol. XIV. No. 77. Sept.-Oct., 1922. 1. The Muscle Shoals situation. By W. J. Burden. 6p. 2. Bridging the Rhine. Harold C. Fiske. 2p. 3. The Gatun spillway, Panama Canal. By E. Z. Kirkpatrick. 2p. 4. Work of the federal power commission. By William Kelly. 3½p.
- Vol. XIV. No. 78. Nov.—Dec., 1922. 1. Engineer summer training Camps.—1922. 6p. 2. Forestry and the national defense. By Henry S. Graves. 4p. 3. Rebuilding San Francisco after the fire. By M. M. O'Shaughnessy. 5p.

The Railway Engineer

- Vol. XLIII. No. 513. October, 1922. 1. Restaurant and sleeping cars for the Siamese State railways. 4p. 2. The influence of rivet holes on steel structures. 2p.
- Vol. XLIII. No. 514. November, 1922. 1. Reconstruction of Glen Bridge, Midland & Great Northern Railway, 3p. 2. Oscillation recording instruments in use on the Great Northern Railway. 2p. 3. Tunnels. (XXXII). 4½p.
- Vol. XLIII. No. 515. December, 1922. 1. A practical chart for point and crossing work. By R. D. Walker. 2p. 2. The Sulzbach Bridge tests. 5p.

The Railway Gazette

- Vol. XXXVII. No. 15. Oct. 13, 1922. 1. Publicity and advertising methods, South African railways. 3½p.
- Vol. XXXVII. No. 16. Oct. 20, 1922. 1. The effect on traffic arrangements and working costs of daily and seasonal or periodic variation in passenger loads and unbalanced traffic movement. By C. J. Selway. 2p.
- Vol. XXXVII. No. 17. Oct. 27, 1922. 1. Long-distance operation of facing points. 2p.
- Vol. XXXVII. No. 18. Nov. 3, 1922. 1. Traffic improvements and new signalling at King's Cross, Great Northern Railway. 6p.

The Railway Magazine

- Vol. LI. No. 304. October, 1922. 1. The Hackney downs group of lines, Great Eastern Railway. By J. F. Gairus. 9p.
- Vol. LI. No. 305. November, 1922. 1. Japanese railways in Korea and China. By R. W. A. Salter. 7p.

The Surveyor and Municipal and County Engineer

- Vol. LXII. No. 1609. Nov. 3, 1922. 1. Irlam activated sludge scheme. Details of proposed works for 15,000 population. 1½p. 2. Water treatment. Modern practice in the removal of taste and odour. By Norman J. Howard. 3p.
- Vol. LXII. No. 1609. Nov. 17, 1922. 1. Sewage treatment at Manchester. 3p. 2. Concrete road construction in Manchester. 1p.

Water and Water Engineering

- Vol. XXIV. No. 286. Oct. 20, 1922. 1. The modern hydraulic turbine. By J. Johnstone Taylor 3p. 2. Control of corrosion by deactivation of Water. By Frank N. Speller. 7p.

Zeitschrift für Bauwesen

72. Jahrgang. 7. bis 9. Heft. 1922. 1. Die Brückenbauten der Stadt Berlin seit dem Jahre 1897. Von F. Krause und F. Hedde. 28p. 2. Vom alten deutschen Städtebau. Von D. Schwarz. 17p.