

新刊紹介

土木學會誌 第五卷第四號 大正八年八月

内外諸雜誌主要題目

發電水力

第五十一號. 大正八年五月十五日.

1. 水壓管トシテノ木管利用ニ就テ. 3頁.
2. 北滿ニ於ケル電氣事業. (承前) 2頁.
3. 英國ノ水力利用. (承前) 2頁.

第五十二號. 大正八年六月十五日.

1. 水壓管トシテノ木管利用ニ就テ. 3頁.
2. 臺灣日月潭水力電氣工事設計大要. 4頁.
3. 英國ノ水力利用. (承前) 2頁.

工學會誌

第四百二十八卷. 大正八年五月三十日.

1. 鐵及鋼ノ研究. 6頁.
2. 都市計畫ト下水工事. 28頁.

帝國鐵道協會會報

第二十卷. 第五號. 大正八年五月二十五日.

1. 鐵及ヒ鋼ノ研究. (承前) 28頁.

BULLETIN OF THE AMERICAN RAILWAY ENGINEERING
ASSOCIATION

Vol. 20. No. 213. January, 1919.

1. Report on wood preservation. 38 p.
2. Report on yard and terminals. 30 p.
3. Report on uniform general contract forms. 9 p.
4. Report on ties. 13 p.

Vol. 20. No. 215. March, 1919.

1. Report on iron and steel structures. 46 p.

BULLETIN OF THE SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION

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- Vol. IX. No. 8. April, 1919.
1. Polaris observations for azimuth in northern latitudes. 12 p.
 2. Discussion of report of committee No. 15, Civil Engineering. 43 p.
- Vol. IX. No. 9. May, 1919.
1. The colleges and the war, 26 p.
 2. Discussion of report of committee No. 15, Civil Engineering. 6 p.

CANADIAN ENGINEER

- Vol. 36. No. 15. Apr. 10, 1919.
1. Town planning includes "sunlight engineering." 4 p.
- Vol. 36. No. 16. Apr. 17, 1919.
1. Dundas has new filter plant on gravity supply. 3½ p.
- Vol. 36. No. 17. Apr. 24, 1919.
1. Construction methods used at Drummond ville. 4 p.
- Vol. 36. No. 18. May 1, 1919.
1. Physical properties of mortars and concretes. 8½ p.
 2. The measurement of snow. 1½ p.
- Vol. 36. No. 19. May 8, 1919.
1. Circular concrete reservoirs at Leamington, Ont. 2½ p.
 2. Cost-plus-fee contract for bridge construction. 1½ p.
 3. Use of tie-tamping machine increasing. ½ p.
- Vol. 36. No. 20. May 15, 1919.
1. Bulking effect of moisture in sands, 2¾ p.
 2. Disposal of sewage by treatment with acid. 5½ p.
- Vol. 36. No. 21. May 22, 1919.
1. Strength of various long column. 2 p.
 2. Bituminous macadam. 1½ p.
- Vol. 36. No. 23. June 5, 1919.
1. Testing stations for determining critical factors for water purification plant design. 2 p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

- Vol. XIV. No. 4. April, 1919.
1. The Empire dock and new quays, Singapore. 8 p.
 2. Proportioning the materials of mortars and concretes by surface areas of aggregates. 8 p.
 3. Application of concrete tanks to oil storage. 8 p.
 4. The Manchester system of reinforced concrete construction. 4 p.
 5. Ornamental concrete seats and columns faced with white mixtures. 4 p.
- Vol. XIV. No. 5. May, 1919.
1. A midland munition factory. 11 p.
 2. Proportioning the materials of mortars and concretes by surface areas of aggregates. 6 p.
 3. The first concrete dock gate in the world. 3 p.

CONTRACTING

- Vol. 8. No. 8. Apr. 15, 1919.
1. Fourteenth street tunnel. 1 p.
 2. Proposed North River vehicular tunnel. 3 p.
 3. Goethals-O'Rourke North River vehicular tunnel. 3 p.
 4. Vehicular tunnel requirements, conditions and difficulties. 3 p.
- Vol. 8. No. 9. May 1, 1919.
1. Mountain Dell Dam. 3 p.
 2. Essentials of important Construction—XXVII. Handling and erecting heavy girders. $3\frac{1}{2}$ p.
 3. Erecting wireless towers at Annapolis. 2 p.
 4. Completion of long Twin Peaks tunnel, San Francisco. $1\frac{1}{2}$ p.
 5. Road and street work going ahead in many states. 1 p.
- Vol. 8. No. 10. May 15, 1919.
1. East Canyon Creek Dam. $1\frac{3}{4}$ p.
 2. Moving St Joseph's Bridge spans. $1\frac{1}{2}$ p.

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ELECTRIC RAILWAY JOURNAL

- Vol. 53. No. 15. Apr. 12, 1919.
1. Detroit united builds large stone crusher plant. 2 p.
 2. Zone tickets adopted for Portland. $3\frac{1}{4}$ p.
 3. Shelters and stations on Pacific electric's lines. 2 p.
- Vol. 53. No. 16. Apr. 19, 1919.
1. The reclamation of track by welding and grinding. $3\frac{1}{2}$ p.
- Vol. 53. No. 17. Apr. 26, 1919.
1. The zone fare in practice in the city of Aberdeen. 9 p.
- Vol. 53. No. 18. May 3, 1919.
1. The zone fare in practice—Edinburg, Scotland. $5\frac{1}{2}$ p.
 2. Chicago rehabilitation track standards successful. 4 p.
 3. Chamber of commerce discusses traction situation. $2\frac{1}{2}$ p.
- Vol. 53. No. 19. May 10, 1919.
1. Interborough commissions 60,000-kw. turbogenerator. $2\frac{1}{2}$ p.
 2. The zone fare in practice—Belfast, Ireland—Part I. 6 p.
- Vol. 53. No. 20. May 17, 1919.
1. A survey of electric railway bridge maintenance. 8 p.
- Vol. 53. No. 21. May 24, 1919.
1. Utilizing modern appliances in track construction. $3\frac{1}{2}$ p.
 2. The zone fare in practice—Belfast, Ireland—Part II. 6 p.

ENGINEERING

- Vol. CVII. No. 2780. Apr. 11, 1919.
1. The ventilation plant of the Simplon tunnel. $\frac{2}{3}$ p.
 2. Water power in Britain. 1 p.
- Vol. CVII. No. 2783. May 2, 1919.
1. Spectrum analysis and atomic structure. 2 p.
- Vol. CVII. No. 2785. May 16, 1919.
1. The mechanical properties of steel. 3 p.

ENGINEERING AND INDUSTRIAL MANAGEMENT

- Vol. I. No. 8. Apr. 3, 1919.
1. Scientific factory management. $3\frac{1}{2}$ p.
 2. Water powers in Great Britain. 4 p.
- Vol. I. No. 9. Apr. 10, 1919.
1. Production of standardised parts. 7 p.
 2. Scientific factory management. 5 p.
- Vol. I. No. 11. Apr. 24, 1919.
1. Industrial efficiency from the psychology standpoint. 4 p.
 2. Surface condensing plants for power stations. 5 p.
- Vol. I. No. 12. May 1, 1919.
1. Industrial efficiency from the psychological standpoint. 2 p.
- Vol. I. No. 13. May 8, 1919.
1. Safety precautions for transmission machinery. 4 p.
- Vol. I. No. 14. May 15, 1919.
1. Engineering in relation to industrial management. 2 p.
 2. Industrial efficiency from the psychological standpoint. 3 p.
- Vol. I. No. 16. May 29, 1919.
1. Labour maintenance and its indices. 4 p.

ENGINEERING NEWS-RECORD

- Vol. 82. No. 15. Apr. 10, 1919.
1. Wood construction feature of Charleston Port terminal. $4\frac{1}{2}$ p.
 2. Notes on the design of single-wall cofferdam. 3 p.
 3. Record height concrete multiple-arch dam completed. 2 p.
 4. Road-oil heating plant of Los Angeles County. $2\frac{1}{2}$ p.
 5. Hudson River shipyard layout to build concrete car floats. 2 p.
- Vol. 82. No. 16. Apr. 17, 1919.
1. Labor-saving machinery used in building houses. 3 p.
 2. How to design concrete mixtures. $5\frac{1}{2}$ p.
 3. New methods for the solution of backwater problems. $2\frac{3}{4}$ p.
- Vol. 82. No. 18. May 1, 1919.
1. Raising Allegheny River bridge 13 feet by jacking. $4\frac{1}{2}$ p.
 2. A new principle in the theory of structures. $1\frac{1}{2}$ p.
 3. Six years of rapid-transit progress in New York. 4 p.
- Vol. 82. No. 19. May 8, 1919.
1. Erecting long-span roof over steel mill by rolling trusses to place. 5 p.
 2. Illinois adopts a uniform basis of design for all types of rigid pavement. $2\frac{3}{4}$ p.
 3. Reinforcement of bridge by means of an eccentric chord. $2\frac{1}{2}$ p.
- Vol. 82. No. 20. May 15, 1919.
1. Sweetwater Dam enlarged for the third time. 5 p.
 2. Short circuiting floods in the Big Sioux River $3\frac{1}{2}$ p.
 3. Details of failure of 90-foot Molasses tank. 2 p.
 4. Standard precast concrete frames make up flume trestles. $1\frac{3}{4}$ p.
- Vol. 82. No. 21. May 22, 1919.
1. Methods used in Aéro-photographic mapping. 5 p.
 2. Design of new superstructure of Louisville Bridge with 644-foot riveted span. 5 p. with 1 plate.
 3. Sinking a concrete pumping station in a river. 3 p.

ENGINEERING WORLD

- Vol. 14. No. 8. Apr. 15, 1919.
1. The Michigan avenue improvement. 10 p.
 2. Concrete pile trestle construction. 3 p.
 3. San Francisco's high pressure water supply. 4 p.
 4. The New York and New Jersey vehicular tunnel.
- Vol. 15. No. 9. May 1, 1919.
1. Railway freight transference and handling. $1\frac{1}{2}$ p.
 2. Future public water supplies in Iowa. 3 p.
 3. Meeting housing problem at Tacoma. 1 p.
 4. Reinforced concrete framed railway abutments. 2 p.
- Vol. 15. No. 10. May 15, 1919.
1. Sewage disposal of the loop district. 5 p.
 2. Industrial air conditions. 5 p.
 3. Ocean terminals at Halifax. $1\frac{1}{2}$ p.
 4. Construction of army supply base at Norfolk. $3\frac{1}{4}$ p.
 5. Proposed lake front improvement at Chicago. 2 p.

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INDUSTRIAL MANAGEMENT

- Vol. LVII. No. 5. May, 1919.
1. Industrial influence of waterways. 6 p.

LE GÉNIE CIVIL

- Tome LXXIV. No. 11. 15 Mars 1919.
1. Bac-transbordeur et pont tournant pour la traversée du canal maritime de Suez à Kantara. $8\frac{1}{2}$ p. with 1 plate.
 2. Recherches sur la formation des sinuosités des cours d'eau. $3\frac{1}{2}$ p.
 3. Dispositifs pour le raccourcissement des traversées-jonctions. 2 p.
- Tome LXXIV. No. 12. 22 Mars 1919.
1. Recherches sur la formation des sinuosités des cours d'eau. 2 p.
- Tome LXXIV. No. 13. 29 Mars 1919.
1. Recherche des sections économiques des poutres simples en béton armé travaillant à la flexion. $2\frac{1}{2}$ p.
 2. Mandrin à centrage automatique, système H. Spillman. 2 p.
 3. Les irrigations et la culture du coton en Russie. $\frac{3}{4}$ p.
- Tome LXXIV. No. 14. 5 Avril 1919.
1. Les appareils de levage dans les chantiers de constructions navales. $3\frac{1}{2}$ p.
- Tome LXXIV. No. 15. 12 Avril 1919.
1. Les ponts-routes militaires de l'armée anglaise. $6\frac{1}{4}$ p. with 2 plates.
 2. Recherches sur les causes de l'effondrement du barrage de Calaveras (Californie, E.-U.). $1\frac{3}{4}$ p.
- Tome LXXIV. No. 16. 19 Avril 1919.
1. Nouvelle méthode de calcul et propriétés diverses des poutres à travées solidaies. 4 p.

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Tome LXXIV. No. 17. 26 Avril 1919.

1. L'emploi de coffrages en tôle le moulage du beton et pour la construction des maisons. 4 p.
2. Les ports fluviaux de la Ruhr et du Rhin (Prusse rhénane). 5¼ p.

Tome LXXIV. No. 18. 3 Mai 1919.

1. Les ports fluviaux de Strasbourg et de Kehl. Situation des ports de Strasbourg en 1914 et en 1918. 3½ p.

MUNICIPAL JOURNAL AND PUBLIC WORKS

Vol. XLVI. No. 15. Apr. 12, 1919.

1. Oakland's municipal garage and shop. 3 p.

Vol. XLVI. No. 18. May 3, 1919.

1. South Norwalk's Street lighting system. 2 p.

Vol. XLVI. No. 19. May 10, 1919.

1. Report on Detroit Waterworks. 3½ p.

Vol. XLVI. No. 20. May 17, 1919.

1. Improving providence water supply. 3 p.

Vol. XLVI. No. 22. May 31, 1919.

1. Oil construction for Oakland's Streets. 2 p.

PROFESSIONAL MEMOIRS CORPS OF ENGINEERS, UNITED STATES ARMY AND ENGINEER DEPARTMENT AT LARGE

Vol. XI. No. 55. Jan.-Feb., 1919.

1. Currents at and near mouth, southwest pass, Mississippi River. 58 p.

Vol. XI. No. 56. Mar.-Apr., 1919.

1. Technical engineering details of the Hindenburg line in the sector of attack of the II Army corps. 26 p.
2. The Coblenz ponton bridge. 12 p.

RAILWAY AGE

Vol. 66. No. 16. Apr. 18, 1919.

1. Radical departure in loading ocean freighters. 3½ p.
2. A complete modern engine terminal installation. 4 p.
3. The railroad development of the Argentine. 4½ p.

Vol. 66. No. 17. Apr. 25, 1919.

1. The railroad development of the Argentine. 3¾ p.
2. Treating water reduces boiler troubles. 3½ p.

Vol. 66. No. 18. May 2, 1919.

1. Novel features in New D. & R. G. freight terminal. 2½ p.
2. The expenses of the United States Railroad Administration. 4 p.

Vol. 66. No. 19. May 9, 1919.

1. Chamber of commerces discusses railroad situation. 3¾ p.
2. What railroad plan should the country adopt? 4 p.

3. Repair shop train used on narrow gage in Flanders 1½ p.
 4. New York Central turntable has unique features. 2 p.
 5. Air Brake Association holds annual convention. 6 p.
- Vol. 66. No. 20. May 16, 1919.
1. Some modern tendencies in roundhouse design. 2 p.
- Vol. 66. No. 22. May 30, 1919.
1. A trip over the railway lines of Mexico. 5 p.
 2. Recent developments in railroad tie situation. 4 p.

RAILWAY GAZETTE

- Vol. XXX. No. 14. Apr. 4, 1919.
1. The carriage of coal by rail in India. 3½ p.
 2. European train speeds. 3 p.
- Vol. XXX. No. 16. Apr. 18, 1919.
1. European train speeds. 4 p.
- Vol. XXX. No. 17. Apr. 25, 1919.
1. Relation of rail-weight to axle-load. ½ p.
- Vol. XXX. No. 18. May 2, 1919.
1. The great landslide on the South-Eastern & Chatham Railway. 7 p. with 1 plate.
- Vol. XXX. No. 19. May 9, 1919.
1. Chalk Farm and Kensal Green widening, London & North Western Railway. 7½ p.
- *Vol. XXX. No. 20. May 16, 1919.
1. European train speeds. 3 p.

RAILWAY MAINTENANCE ENGINEER

- Vol. 15. No. 6. June, 1919.
1. Where is the supply of railroad cross ties coming from? 4 p.

RAILWAY REVIEW

- Vol. 64. No. 15. Apr. 12, 1919.
1. Automatic train control on the Chesapeake & Ohio R. R. 5½ p.
 2. Principles of boiler water treatment. 2¼ p.
- Vol. 64. No. 16. Apr. 19, 1919.
1. Railway terminal improvements on the San Francisco water front. 6 p.
 2. The railways of Uruguay. 3½ p.
- Vol. 64. No. 17. Apr. 26, 1919.
1. Yard tracks for Brooklyn army supply base. 2 p.
 2. Possibilities of railroad electrification. 2 p.
 3. Waterway plans of the Mississippi valley. 1½ p.
- Vol. 64. No. 18. May 3, 1919.
1. Draft gear tests by the United States railroad administration. 3 p.
 2. Steel car repair shop, New York Central R. R. 4 p.
- Vol. 64. No. 19. May 10, 1919.

1. New York Central R. R. engine terminal, Gardenville, New York. 4½ p.
 2. Convention of the Air Brake Association. 7 p.
 3. New type of sectional concrete retaining wall. 2 p.
- Vol. 64. No. 20. May 17, 1919.
1. Skeleton steel jetties for bank protection. 1½ p.
- Vol. 64. No. 21. May 24, 1919.
1. Glenwood shop improvements, Baltimore & Ohio R. R. 5½ p.

SCHWEIZERISCHE BAUZETUNG

- Band LXXIII. Nr. 12. 22. März 1917.
1. Ideen-Wettbewerb zu einem Bebauungsplan der Stadt Biel und ihrer Vorortgemeinden. 4½ p.
- Band LXXIII. Nr. 13: 29. März 1919.
1. Ideen-Wettbewerb zu einem Bebauungsplan der Stadt Biel and ihrer Vorortgemeinden. 3½ p.
 2. Einige Sätze über die Kettenlinie. 1½ p.
- Band LXXIII. Nr. 15. 12. April 1919.
1. Die Schwebefähre in Bordeaux. 1½ p.
 2. Schnellaufende Schraubenturbinen und deren wirtschaftlicher Vergleich mit Francisturbinen. 4 p.
- Band LXXIII. Nr. 16. 19. April 1919.
1. Die Elektrifizierung der Schweizerischen Bundesbahnen. 4 p.
- Band LXXIII. Nr. 17. 26. April 1919.
1. Wettbewerb für eine Gartenstadt der Firma Piccard, Pictet & Cie. in Aire bei Genf. 6 p.
 2. Selbsttätige Wagenkupplung für Strassenbahnen. 2 p.

SCIENTIFIC AMERICAN

- Vol. CXX. No. 16. Apr. 19, 1919.
1. The English channel tunnel. (Story of the agitation for a channel tunnel from 1802 to 1919). 2 p.

SCIENTIFIC AMERICAN SUPPLEMENT

- Vol. LXXXVII. No. 2259. Apr. 19, 1919.
1. Mechanics and electricity. (Analogies that suggest practical experiments for the student). 2½ p.
- Vol. LXXXVII. No. 2260. Apr. 26, 1919.
1. Water power in California. (The factors on which it depends, and the extent to which it might be utilized). 2 p.
- Vol. LXXXVII. No. 2261. May 3, 1919.
1. Manganese alloys in open-hearth steel practice. (How much of this element, and in what form, represents the best usage?). 2 p.
- Vol. LXXXVII. No. 2262. May 10, 1919.
1. Changes of Ocean level. (The isostatic subsidence of volcanic islands). 1 p.

THE ENGINEER

- Vol. CXXVII. No. 3301. Apr. 4, 1919.
1. Electric welding and welding appliances.—Machines and apparatus for are welding. No. VIII. 3 p.
- Vol. CXXVII. No. 3302. Apr. 11, 1919.
1. The Alaskan Government Railway. 2 p.
 2. Electric welding and welding appliances. No. IX.—Machines and apparatus for are welding. 2 p.
- Vol. CXXVII. No. 3304. Apr. 25, 1919.
1. A new theory of plate springs. 1 p.
- Vol. CXXVII. No. 3306. May 9, 1919.
1. Electric welding and welding appliances. 2 p.
- Vol. CXXVII. No. 3307. May 16, 1919.
1. Electric welding and welding appliances. 1½ p.
 2. Wind resistance on a train. 2 p.

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THE INDIAN AND EASTERN ENGINEER

- Vol. XLIV. No. 4. April, 1919.
1. The future of Indian trade from an engineering standpoint. 2 p.
 2. Electricity in wartime. 3 p.
 3. Lime concrete in the east. 1 p.
 4. The flow of water in pipes, etc. 1 p.
- Vol. XLIV. No. 5. May, 1919.
1. The Tata hydro-electric power-plant, Bombay.

THE JOURNAL OF THE ENGINEERS' CLUB OF
PHILADELPHIA

- Vol. XXXVI—5. No. 174. May, 1919.
1. The electrical features of Hog Island Shipyard. 9 p.

THE JOURNAL OF THE INSTITUTION OF MUNICIPAL
AND COUNTY ENGINEERS

- Vol. XLV. No. 12. Mar. 29, 1919.
1. Notes on the work of the highways and bridges department of the Notts County council during the last four years. 12 p.
- Vol. XLV. No. 14. Apr. 26, 1919.
1. Municipal works in the borough of Taunton. 23 p.

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THE RAILWAY MAGAZINE

- Vol. XLIV. No. 263. May, 1919.
1. The East Kent Railway and its traffic. 8 p.
 2. Behind the front in France. 5 p.
 3. Electrification of main lines in the United Kingdom. 5 p.

WATER AND WATER ENGINEERING

Vol. XXI. No. 244. April 19, 1919.

1. Some hydro-electric possibilities in South America. 5 1/2 p.

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