

新刊紹介

土木學會誌 第三卷第六號 大正六年十二月

新刊紹介
内外諸雜誌主要題目

- Betts, H. S.—The seasoning of wood. 28 P., illustrated, 6×9, paper. 10 c. from superintendent of documents, Washington, D. C.
- Castineiras, J. R.—Calculo de piezas de hormigón armado sometidas à la flexión simple (Calcul des pièces de beton armé soumises à la flexion simple). Une brochure in-8° de 80 pages, avec 43 figures et 23 tableaux. Conti Hermanos, éditeurs, Buenos Aires.
- Ehlers, V. M.—Home sanitation: The improved closet, the small sewer system, sewage disposal, the protection and improvement of sanitary conditions in the home. 34 P., illustrated, 6×9, paper.
- Harding, S. T.—Operation and maintenance of irrigation systems. 271 P., illustrated, 6×9, cloth. McGraw-Hill Book Co. New York, 1917. 丸善賣價: 5.50 圓
- Percy, H.—Concrete roads: Report on the present position and possible future of concrete roads in this country. Westminster, England: Roads Improvement Association (15 Dartmouth St.) 32 P., 5×8, paper. Price: Sixpence.
- Roman, F. L.—The testing of road oils: including character of oils and methods of examination 29 P., illustrated, 6×9, paper.
- A Major street plan for St. Louis. (A summary of this report appeared in "Engineering News Record" July 19, 1917) 86 P., illustrated, 6×9, paper.
- Highway improvement in Oregon. Jan. 3 and 4, 1917: Oct., 1916, and Jan., 1917. number of "The Common Wealth Review." Eugene, Ore.: University of Oregon. 482 P., 7×10, paper.
- Montreal Aqueduct: Comments by the committee of the ratepaying engineers on the report on aqueduct enlargement, Montreal Water-Works, by the Board of Engineers—Montreal, Que.: W. J. Francis (260 James St.), Secretary Committee. 87 P., 6×9, paper.

内外諸雜誌主要題目

工學

第四卷 第十號(第四十二號) 大正六年十月十日。

1. 上水道ノ現況ト吾人ノ希望。(二) 七頁
2. 渡船設備ノ改良。(四) 六頁

第四卷 第十一號(第四十三號) 大正六年十一月十日

1. 早川橋架換工事。九頁
2. 導流柵ト鐵筋混凝土枕。八頁

工學會誌

第四百十號。大正六年十月二十七日。

1. 隅田川口改良工事。(其二) 四十四頁

工業雜誌

新刊紹介
内外諸雜誌主要題目

第四十七卷，第六百十三號，大正六年十月五日。

1. 引張試驗片ノ大小ト延ヒ率トノ關係。七頁。

帝國鐵道協會會報

第十八卷，第九號，大正六年九月二十五日

1. 廣軌用機關車ノ改造並ニ試運轉ノ成績。十八頁。

2. 東京市電車運輸狀勢一斑。七頁。

第十八卷，第十號，大正六年十月二十五日。

1. 國有鐵道軌間變更案。十三頁。

ANNALES DES PONTS ET CHAUSSÉES
PARTIE TECHNIQUE

Tome XXXIX. Vol. III. Mai-Juin, 1917.

1. Note sur les barrage et les digues à profil triangulaire. 27 p.
2. Note sur mur de soutènement et en passage inférieur en ciment armé fondés sur remblai, construits pour rectifier la route nationale n° 11 d'Alger à Mostaganem, à la traversée de l'Oued Ferrah près d'Alger. 11 p.
3. Constructions graphiques simples des moments fléchissants dans les poutres encastrees. 5 p.
4. Note sur une fondation en béton armé pour murette de défense de rives. 5 p.

BULLETIN OF THE AMERICAN RAILWAY
ENGINEERING ASSOCIATION

Vol. 19. No. 197. July, 1917.

1. Design of docks and wharves. 25 p.

CASSIER'S ENGINEERING MONTHLY.

Vol. 52. No. 2. August, 1917.

1. Engincering in China. 4 p.

CEMENT WORLD.

Vol. 11. No. 9. September, 1917.

1. Building circular reinforced concrete fluid retainers. 4 p.
2. Concrete dams of Medina Valley irrigation project in Texas. 3 p.
3. World's highest chimney built for mining company in Japan. 1 p.

Vol. 11. No. 10. October, 1917.

1. Circular reinforced concrete retainers for storage fluids. 7 p.
2. Construction methods employed on track elevation work. 4 p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XII. No. 9. September, 1917.

1. The new port works at Valparaiso. 9 p.
2. Details design in reinforced concrete. 9 p.
3. Reinforced concrete and water tower construction in Holland. 7 p.
4. Researches on reinforced concrete beams. Part V. 10 p.

新
刊
雜
誌
目
錄
內
外
各
種
工
程
學
題
目

ENGINEERING

Vol. CIV. No. 2694. Aug. 17, 1917.

1. Coal-handling plant at Durban. 5 p.
2. The Airostyle paint-spraying plant. 2½ p.
3. Multiple-arch dams on Rush Creek, California. 3 p.

Vol. CIV. No. 2696. Aug. 31, 1917.

1. Multiple-arch dams on Rush Creek, California. 3 p.
2. Internal-combustion farm drainage machine. 2 p.

Vol. CIV. No. 2697. Sept. 7, 1917.

1. Alignment diagrams for determining the bending moments of reinforced concrete beams. 1½ p.

Vol. CIV. No. 2698. Sept. 14, 1917.

1. Surge tanks. 1½ p.
2. A comparison of the activated sludge and the Imhoff tank-trickling filter processes of sewage treatment. 2½ p.

Vol. CIV. No. 2699. Sept. 21, 1917.

1. The Barcelona Traction, Light and Power Company, Limited. 7 p.
2. Critical loads for long tapering struts. 2 p.
3. Experiments on the fatigue of brasses. 4 p.
4. A comparison of the activated sludge and the Imhoff tank-trickling filter processes of sewage treatment. 1½ p.

Vol. CIV. No. 2700. Sept. 28, 1917.

1. The failure of boiler plates in service. 6 p.
2. New experiments on shock tests and on the determination of resilience. 2½ p.

Vol. CIV. No. 2701. Oct. 5, 1917.

1. Investigation upon a cast of acid open-hearth steel. 4 p.
2. New experiments on shock tests and on the determination of resilience. 4 p.

ELECTRIC RAILWAY JOURNAL

Vol. 50. No. 9. Sept. 1, 1917.

1. Details of Mont-Cenis (Italy) Railway electrification. 3p.
2. Asphalt cushion is principal feature of new mechanical tie. 1 p.

JOURNAL OF THE WESTERN SOCIETY OF ENGINEERS

Vol. XXII. No. 6. June, 1917.

1. Intercepting sewer construction in the Northern part of Sanitary District of Chicago. 33 p.

2. The method of the ellipse of elasticity and its application to continuous arches on elastic piers. 43 p.

ENGINEERING NEWS-RECORD

新
刊
紹
介
內
外
諸
雜
誌
主
要
題
目

- Vol. 79. No. 6. Aug. 9, 1917.
1. Worm pin bearings of railway bridge repaired under traffic. 4½ p.
 2. How temperature varied in two dam while the cement was setting. 2 p.
 3. Duluth ore dock new type of structure. 3 p.
 4. Column tests and formula. 1½ p.
 5. Concrete dam 17 feet high has automatic flood gates. 1½ p.
- Vol. 79. No. 7. Aug. 16, 1917.
1. Two novel coal piers recently opened at port of Baltimore. 5 p.
 2. Flat site at Chillicothe swamp demands careful drainage. 2½ p.
 3. Build concrete shell around tall steel water tanks. 2½ p.
 4. Changes in Cleveland sewage-disposal plans recommended. 4½ p.
 5. Useful diagrams for the design of subway sidewalls. 3 p.
- Vol. 79. No. 8. Aug. 23, 1917.
1. Engineering team-work aids rush army job at Camp Upton, N. Y. 5 p.
 2. What are the prospects of navigation on the New York Barge Canal? 5 p.
 3. Building bridge under adverse conditions in San Domingo. 2 p.
 4. Drainage-basin and crop studies aid water-supply estimates. 3½ p.
 5. How the surface of a road affects tractive effort. 2½ p.
- Vol. 79. No. 9. Aug. 30, 1917.
1. Worcester owns and operates a model garbage-disposal piggery. 5 p.
 2. Points in steel-bridge maintenance. 2 p.
- Vol. 79. No. 10. Sept. 6, 1917.
1. New Jersey's Big Cantonment City will have surface water-supply. 4 p.
 2. Large blast accurately places 897,000 tons of rock. 1½ p.
 3. Irrigating flume built with the cement-gun. 2½ p.
 4. Diagrams facilitate the design of concrete forms. 2 p.
 5. Large water-supply well sunk by open caisson method. 2 p.
 6. Missouri cities experiment with vacuum street cleaners. 1 p.
- Vol. 79. No. 11. Sept. 13, 1917.
1. Defective foundation causes failure of pier. 4 p.
 2. Road maintenance in the war zone of France. 5 p.
 3. Logging roads carry lumber to each bridge at Columbia camp. 3½ p.
 4. Sand and gravel digger designed and built for Ohio River. 3½ p.
- Vol. 79. No. 12. Sept. 20, 1917.
1. What is the trouble with concrete in sea water? 3 p.
 2. Extension of St. Lawrence River power development under way. 3 p.
 3. Trend of thought in the water-works field. 5 p.
 4. Stone shipping dock is patterned after ore-bin type. 2 p.
- Vol. 79. No. 13. Sept. 27, 1917.
1. Quebec suspended span successfully hung from cantilevers. 5 p.
 2. New details found in Quebec span hoisting arrangement. 5 p.
 3. Sink 7700-ton drop shafts to exact line and grade by dredging. 5 p.
 4. Louisiana reclamation project grows to seven thousand acres. 3 p.
- Vol. 79. No. 14. Oct. 4, 1917.
1. St. Paul-Minneapolis dam and locks are now completed. 4 p.
 2. Purposes should govern water-works valuations. 3 p.

四

3. Plain concrete in sea water must be protected against abrasion. 4½ p.
4. Richmond constructs immense combined sewer. 2 p.
5. Atlanta warehouse plans were changed to increase storage. 3 p.

JOURNAL OF THE AMERICAN WATER WORKS ASSOCIATION

Vol. 4. No. 3. September, 1917.

1. Recent progress and tendencies in municipal water supply in the United States. 22 p.
2. The relation of the railroad to the city water plant. 6 p.
3. The chlorine cell installation of the Montreal Water and Power Company. 6 p.

LE GÉNIE CIVIL

Tome LXXI. No. 7. 18 Août, 1917.

1. La résistance au flambage des piliers métalliques. Essais du Bureau of Standards des États-Unis. 3 p.

Tome LXXI. No. 8. 25 Août, 1917.

1. Flexion des rails de tramway. 2½ p.

Tome LXXI. No. 9. 1 Sept., 1917.

1. Le tunnel quadruple du métropolitain souterrain de New York, sous la Harlem River. 4½ p.
2. Étude de la flexion des corps hétérogènes et application aux pièces en béton armé. 3 p.

Tome LXXI. No. 10. 8 Sept., 1917.

1. Étude de la flexion des corps hétérogènes et application aux pièces en béton armé. 3 p.

Tome LXXI. No. 12. 22 Sept., 1917.

1. Les ports français et la guerre. Ports secondaires et complémentaires. 5½ p.
2. Étude de la flexion des corps hétérogènes et application aux pièces en béton armé. 3½ p.

MUNICIPAL JOURNAL

Vol. XLIII. No. 9. Aug. 30, 1917.

1. Sewerage system of Daytona. 8 p.
2. Paints for metal surface. 1 p.

Vol. XLIII. No. 10. Sept. 9, 1917.

1. Improvements in Wilmington's water works. 6 p.
2. Constructing concrete reservoirs at Lansing. 2 p.
3. Reconstructing Compton Hill Reservoir. 4 p.

Vol. XLIII. No. 11. Sept. 13, 1917.

1. Widening and straightening a Connecticut highway. 3 p.
2. Road constructed in record time. 3 p.

Vol. XLIII. No. 12. Sept. 20, 1917.

1. Convention of the New England Water Works Association. 7 p.

Vol. XLIII. No. 13. Sept. 27, 1917.

1. Appliances in waterbound macadam construction. 2 p.

2. Rapid sand filtration. 2 p.
- Vol. XLIII. No. 14. Oct. 4, 1917.
1. Street planning and construction in Bexley. 4 p.
- Vol. XLIII. No. 15. Oct. 11, 1917.
1. Laying steel water main in St. Louis. 2½ p.
2. Sewer construction in sanitary district of Chicago. 3½ p.

PROFESSIONAL MEMOIRS

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

- Vol. IX. No. 47. Sept.-Oct., 1917.
1. Extracts from "Des travaux du fleuve du Rhin." 26 p.
2. Taking cross-sections, Humboldt Jetties, California. 6 p.

RAILWAY AGE GAZETTE

- Vol. 63. No. 9. Aug. 31, 1917.
1. A New passenger station at Danville, Ill. 3 p.
- Vol. 63. No. 10. Sept. 7, 1917.
1. Testing rails by the quick-bend method. 2 p.
2. A study of the design of docks and wharves. 4 p.
- Vol. 63. No. 12. Sept. 21, 1917.
1. System of auditing on the Boston & Maine. 6 p.
- Vol. 63. No. 13. Sept. 28, 1917.
1. Quebec Bridge span successfully hoisted in place. 5 p.

RAILWAY GAZETTE

- Vol. XXVII. No. 7. Aug. 17, 1917.
1. The adhesion and braking power of electric locomotives. 1 p.
- Vol. XXVII. No. 9. Aug. 31, 1917.
1. Concrete piles. 3½ p.
- Vol. XXVII. No. 10. Sept. 7, 1917.
1. Functional Interrelation between the component parts of a brake system. 2 p.
- Vol. XXVII. No. 11. Sept. 14, 1917.
1. The Hopatcong-Slateford cut-off. 5½ p.
- Vol. XXVII. No. 12. Sept. 21, 1917.
1. Special protection for a drawbridge. 1¼ p.
- Vol. XXVII. No. 13. Sept. 28, 1917.
1. New Mississippi River bridge at Memphis. 4½ p.

RAILWAY REVIEW

- Vol. 61. No. 9. Sept. 1, 1917.
1. Beach oil-electric car for the Nashville Chattanooga & St. Louis Railway. 2 p.
2. Possibilities of a market train service. 3 p.
- Vol. 61. No. 10. Sept. 8, 1917.

1. Construction work on the Union Pacific Railroad. 3 p.
- Vol. 61. No. 11. Sept. 15, 1917.
1. New passenger terminal of the D. L. & W. R. R. at Buffalo. 4½ p.
 2. Safe handling of track, bridge and building material. 2 p.
- Vol. 61. No. 12. Sept. 22, 1917.
1. Maintenance of track in large terminals. 1½ p.
- Vol. 61. No. 13. Sept. 29, 1917.
1. Completion of the Quebec Bridge. 2 p.
 2. Conservation of material and supplies. 5 p.
- Vol. 61. No. 16. Oct. 20, 1917.
1. The bridge and building convention. 5 p.

SCHWEIZERISCHE BAUZEITUNG

- Band LXX. No. 6. 11. Aug., 1917.
1. Der mehrfache Rahmen mit horizontal verschiebbarem und mit unverschiebbarem Balken. 4 p.
- Band LXX. No. 7. 18. Aug., 1917.
1. Der mehrfache Rahmen mit horizontal verschiebbarem und mit unverschiebbarem Balken. 2 p.

SCIENTIFIC AMERICAN

- Vol. CXVII. No. 9. Sept. 1, 1917.
1. Robbing the arctic so that Montana may drink. (How the St. Mary River was shifted from the Hudson drainage system and made to flow into the Missouri.) 1 p.
- Vol. CXVII. No. 10. Sept. 8, 1917.
1. The multiple arch concrete dam. (A new type of construction much used in Western Hydro-Electric Work.) 2 p.
- Vol. CXVII. No. 13. Sept. 29, 1917.
1. Building the Quebec Bridge. (Second attempt to raise the 640-foot suspension span into position, successful.) 1¼ p.
- Vol. CXVII. No. 14. Oct. 6, 1917.
1. Completion of the world's greatest cantilever bridge. (Lifting details which resulted in the successful raising of the huge center span.) 1½ p.
- Vol. CXVII. No. 15. Oct. 13, 1917.
1. Docking a 9,300-ton cruiser in a 4,500-ton dock. 1 p.

SCIENTIFIC AMERICAN SUPPLEMENT

- Vol. LXXXIV. No. 2174. Sept. 1, 1917.
1. Metallurgical processes in the foundry. (Use of ferromanganese-ferrosilicon—Chills and iron molds.) 2½ p.
 2. Asphalt. (Where comes from and some of its characteristics). 2 p.
 3. The use of mean sea-level as the datum for elevations. (An engineering problem of national importance.) 2½ p.
- Vol. LXXXIV. No. 2177. Sept. 22, 1917.
1. Commercial alloy steels. (Historical and practical notes on their development and use.) 2 p.
- Vol. LXXXIV. No. 2178. Sept. 29, 1917.

1. The Great Canadian Telescope. (A notable addition to the cause of astronomical research). 1½ p.
- Vol. LXXXIV. No. 2179. Oct. 6, 1917.
1. Heat treatment of metals. (The art of treating low and high carbon steel with gaseous fuel.) 2 p.

THE INDIAN AND EASTERN ENGINEER

Vol. XII. No. 2. August, 1917.

1. Amritsar hydro-electric pumping installation. 2½ p.
2. The slides at Panama. 2 p.

THE RAILWAY ENGINEER

Vol. XXXVIII. No. 452. Sept., 1917.

1. Ventilation of the Connaught Tunnel, Canadian Pacific Railway. 2 p.
2. Wind resistance as affecting the motion of a train. 2 p.

Vol. XXXVIII. No. 453. Oct., 1917.

1. Tunnels. VIII. 5 p.
2. Magnetic analysis of rails and other steel products. 2½ p.

THE RAILWAY MAGAZINE

Vol. XII. No. 244. October, 1917.

1. Midland and London and North Western Railways in Wales. 12 p.
2. The express system in America. 5 p.
3. Non-stop runs in Canada and the United States. 6 p.