

1. 岸接物揚場護岸ノ施工. (上). 七頁.
- 第四十六卷. 第六百六號. 大正六年六月二十五日.
1. 鑄鐵強サノ規格ニ就テ. 十二頁.
 2. 岸接物揚場護岸ノ施工. (下). 六頁.

帝國鐵道協會會報

第十八卷. 第五號. 大正六年五月二十五日.

1. 登山鐵道ニ就テ. 二十一頁.
2. 東北本線仙臺停車場構内給水井戸新設工事報告. 二十二頁.
3. 京都停車場改良工事概要. (完). 三十四頁.

ANNALES DES PONTS ET CHAUSSEES PARTIE TECHNIQUE

Tome XXXVI. Vol. VI. Nov.-Déc., 1916.

1. Influence de l'argile contenue dans les sables sur la résistance des mortiers. 14 p.
2. Du rôle des réservoirs dans la régularisation des cours d'eau. 20 p.
3. La sollicitation à la flexion des câbles porteurs dans les transports aériens. 13 p.

CASSIER'S ENGINEERING (MONTHLY)

Vol. 51. No. 3. March, 1917.

1. Novel underpinning. 7 p.

Vol. 51. No. 5. May, 1917.

1. Remarkable locomotives of 1916. 13 p.

CEMENT WORLD

Vol. 11. No. 4. April, 1917.

1. Concrete work on Chicago Union Depot well under way. 4 p.
2. Circumferential temperature stresses in reinforced concrete chimneys. 4 p.
3. Concrete construction work in New York's thousand-foot pier. 6 p.
4. Railway engineers outline requirements for concrete work. 3 p.

Vol. 11. No. 5. May, 1917.

1. Notable concrete construction in salt water. 8 p.
2. Standard culvert designs of Buffalo, Rochester & Pittsburgh Ry. 4 p.
3. Waterproofing, dampproofing, hardening. 7 p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XII. No. 3. March, 1917.

1. Design of pillars in reinforced concrete in accordance with the L. C. C. regulations. 4 p.
2. The effect of commercial liquids on concrete. 4 p.

Vol. XII. No. 4. April, 1917.

1. Details in reinforced concrete design.—II. 8 p.
2. Building concrete lighthouse on Brandywine Shoal, Delaware Bay, U. S. A. 7 p.

- Waterbury, L. A.—Stresses in structural steel angles with special tables. 77 P., illustrated, 5×7, cloth. John Wiley & Sons, New York. Price: \$ 1.25 net.
- Wynond, M.—Government partnership in railroads. 192 P., 5½×8, bound in buckram. Wynond & Clark, Chicago. Price: \$ 1.50.
- Biennial report of the board of state harbor commissioners for the harbor of San Francisco, July 1, 1914, to June 30, 1916. 110 P., illustrated, 6×9, paper.
- Canadian Department of Railways and Canals: Annual report, Apr. 1, 1915, to Mar. 31, 1916—Ottawa: Minister of Railways and Canals. 445 P., illustrated, 6×9, paper, maps in folder. Price: 50 cents.
- Poor's manual of railroads, 1917. 2082 P. Poor's railroads manual company, 80 Lafayette St., New York.
- Report of Michigan State Highway Commissioner, for two fiscal years ended June 30, 1916—Lansing, Mich.: State Highway Commission. 140 P., 6×9, paper, illustrated.
- Report of the State Water Commission of California, from Mar. 1, 1915 to Dec. 1, 1916—San Francisco, Calif.: Josephine A. Patten, Secretary. 183 P., illustrated, 6×9, paper.
- Standard methods for the examination of water and sewage. 3rd edition. 111 P., 7×10, cloth. American Public Health Association (126 Massachusetts Ave.) Boston.
- Western Australia water-supply, sewerage and drainage department: Annual report, 1915-16—Perth, Western Australia. 78 P., 8×13, paper.

内外諸雜誌主要題目

工 學

- 第四卷 第五號(第三十七號) 大正六年五月十日。
1. 河川ノ最大洪水量ノ決定ニ就テ。十一頁。
 2. 護岸工ニ鐵筋混凝土製矢板ノ應用。六頁。
 3. 貯水池堤塘用中心土金板粘土工ト斜面粘土工トノ比較。四頁。
- 第四卷 第六號(第三十八號) 大正六年六月十日。
1. 頗ル有望ナル北朝鮮ノ水力電氣事業。八頁。
 2. 影響線ノ應用。(二) 四頁。
 3. 護岸工ニ鐵筋混凝土製矢板ノ應用。(二) 五頁。

工 學 會 誌

- 第四百六卷 大正六年五月十六日。
1. 我國ニ於ケル木造洋風家屋ト其腐朽。三十四頁。
- 第四百七卷 大正六年六月十五日。
1. 鐵ノ腐蝕ニ就テ。二十二頁。

工 業 雜 誌

- 第四十六卷 第六百五號 大正六年六月十日。

Vol. XII. No. 5. May, 1917.

1. The effect of varying moment of inertia upon continuous beams. 6 p.
2. Water the chief factor in the making of good concrete. 10 p.
3. The rational design of reinforced concrete wharves and jetties. 8 p.
4. Reinforced concrete over-bridges and galleries at the New Alexandra Docks, Bombay. 5 p.
5. Concrete as a substitute for timber in mines. 12 p.

ELECTRIC RAILWAY JOURNAL

Vol. 49. No. 15. Apr. 14, 1917.

1. Analysis of Chicago traffic, value and finances. 3½ p.

Vol. 49. No. 17. Apr. 28, 1917.

1. Instructions for inspecting bridges and culverts. 2½ p.
2. Methods for curing rail corrugation. 2½ p.

Vol. 49. No. 19. May 12, 1917.

1. Extension of London underground railway system. 2½ p.

Vol. 49. No. 21. May 26, 1917.

1. Double guards reduce cost. 2 p.

Vol. 49. No. 22. June 2, 1917.

1. Track construction in Des Moines. 3 p.

ENGINEERING

Vol. CIII. No. 2672. Mar. 16, 1917.

1. Kingston Dock, Glasgow; improvement and reconstruction. 4½ p.

Vol. CIII. No. 2673. Mar. 23, 1917.

1. Pontoon for transport of stock across the Zambesi River. 1½ p.

Vol. CIII. No. 2675. Apr. 6, 1917.

1. Strength and inner structure of mild steel. 3 p.

Vol. CIII. No. 2676. Apr. 13, 1917.

1. Surface subsidence due to mining operations. 3 p.
2. American installations for cooling locomotive engines. 3 p.

Vol. CIII. No. 2677. Apr. 20, 1917.

1. Steel sheet piling: American practice. 3 p.
2. The design of pin joints based on ultimate strength. 5 p.

Vol. CIII. No. 2678. Apr. 27, 1917.

1. Design of flat arches with fixed ends. 2 p.

Vol. CIII. No. 2680. May 14, 1917.

1. "Ground ice" and water supplies. 1 p.
2. The iron and steel institute. 4 p.
3. Cementation by gas under pressure. 4 p.

ENGINEERING NEWS-RECORD

Vol. 78. No. 2. Apr. 12, 1917.

1. Design of Milwaukee's new sewerage system based on conditions 35 years hence. 4½ p.
2. Leaking lap-welded steel pipe repaired and tested by bulkheaded sections in the field. 2½ p.
3. Tests indicate strength of tension-rivet connections. 1 p.
4. Bridge caissons sunk in river where tide varies 33 feet, creating 15-mile-an-hour current. 5½ p.

Vol. 78. No. 3. Apr. 19, 1917.

1. Pitchforks, centrifugal pumps and 160-ton draglines dig aqueduct ditch through Muskeg Bogs. 4½ p.
2. Tunnel under Hudson designed for vehicular traffic. 4 p.
3. Highest-head hydro-electric plant in east is being built at Silver Lake, Vermont. 2 p.
4. Large concrete caissons sunk from trestles. 2½ p.
5. Second test of Seattle flat-slab warehouse shows decrease in stresses. 3 p.

Vol. 78. No. 4. Apr. 26, 1917.

1. Railway forces construct viaduct over five tracks. 2 p.
2. Traveling chutes deliver concrete from central mixing plants to Winnipeg Aqueduct forms. 4 p.
3. What our large testing machines have accomplished. 3 p.
4. A new evaporation formula developed. 4 p.

Vol. 78. No. 5. May 3, 1917.

1. New water-works at providence, R. I., to cost \$12,000,000. 3 p.
2. Multiple inspirators Aérate-Laden Lake supply. 3 p.
3. New reservoir and water mains improve service at Covington, Va. 2 p.
4. Growth of filter sand at three water-softening plants. 2 p.
5. Use of trenching and backfilling machines from maine to California. 2 p.
6. How to layout fieldwork and keep office records on earth-dam construction. 3 p.

INDUSTRIAL MANAGEMENT (The Engineering Magazine)

Vol. LIII. No. 2. May, 1917.

1. Compressed air—Its varied uses. 22 p.
2. Industrial scales and weighing. (Heavy capacity scales—Auto truck and railway track scales.) 2 p.

JOURNAL OF THE AMERICAN WATER WORKS ASSOCIATION

Vol. 4. No. 1. March, 1917.

1. Protection of watershed of the Newark Water Works. 5 p.
2. Sanitation of the Croton watershed. 9 p.
3. Sanitation of the Rockaway River watershed. 16 p.
4. The sanitation of watersheds. Discussion of preceeding pages. 8 p.
5. The use of water meters. 7 p.

JOURNAL OF THE WESTERN SOCIETY OF ENGINEERS

Vol. XXII. No. 2. Feb., 1917.

1. Timber decay and its growing importance to the engineer and architect. 26 p.
2. Modern sewage treatment. 14 p.
3. The purification of sewage in the presence of activated sludge. 15 p.

LE GÉNIE CIVIL

Tome LXX. No. 13. 31 Mars, 1917.

1. L'importance les ports sur les voies de navigation intérieure. 3 p.

Tome LXX. No. 14. 7 Avril, 1917.

1. Reconstruction rapide des ponts en maçonnerie. Ponts à voussoirs en béton posés sur anneau cintre en fer et béton. 3 p.

Tome LXX. No. 17. 28 Avril, 1917.

1. Les ports français et la guerre: Cen-Ouistreham et les hauts fourneaux de Cen. 6 p.

Tome LXX. No. 19. 12 Mai, 1917.

1. Barrage à arches multiples en béton armé, sur la Sélune (Manche). 4 p.

Tome LXX. No. 20. 19 Mai, 1917.

1. Installations Américaines pour le chargement du charbon sur les locomotives. 3 p.

MUNICIPAL JOURNAL

Vol. XLII. No. 14. Apr. 5, 1917.

1. Oiling roads in New Jersey. 2 p.
2. Convict labor on road work. 2 p.
3. County highway work in 1916: Tables. 15 p.

Vol. XLII. No. 15. Apr. 12, 1917.

1. Pavements in street railway and steam railroad tracks. 2½ p.
2. Catch basin construction. 2½ p.

Vol. XLII. No. 17. Apr. 26, 1917.

1. Road oiling in Onondaga county. 2 p.
2. Inverted siphons in New York. 3 p.

Vol. XLII. No. 18. May 3, 1917.

1. A forty-five city water system. 4 p.
2. Water works statistics of American cities. 33 p.

Vol. XLII. No. 19. May 10, 1917.

1. Street cleaning and refuse collection methods. 3½ p.
2. Transportation of highway materials. 2½ p.

Vol. XLII. No. 20. May 17, 1917.

1. Thawing service connections. 4 p.

Vol. XLII. No. 21. May 24, 1917.

1. American Water Works Association convention. 3½ p.

Vol. XLII. No. 22. May 31, 1917.

1. Placing concrete in the subway. 3 p.

PROFESSIONAL MEMOIRS

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

Vol. IX. No. 44. March-April, 1917.

1. Filling and emptying the third lock at St. Marys Falls Canal, Michigan. 20 p.
2. The passes of the Mississippi River. 35 p.
3. The methods of levee location. 14 p.
4. Diamond drilling at Musche Shoals, Tennessee River. 20 p.

Vol. IX. No. 45. May-June, 1917.

1. Improving the Ohio River below Pittsburgh, P. A. 22 p.
2. Cofferdam for new locks at St. Marys Falls Canal, Saint Ste. Marie, Mich. 21 p.
3. Improvement of Mississippi River from Winona to la Crosse. 8 p.
4. Construction of North Guide Wall of Troy Lock. 16 p.
5. Road work in Mexico with the Punitive expedition. 17 p.

RAILWAY AGE GAZETTE

- Vol. 62. No. 14. Apr. 6, 1917.
1. Some economical types of retaining walls. 2 p.
- Vol. 62. No. 15. Apr. 13, 1917.
1. The Grade separation problem at Syracuse. 3 p.
2. The webb automatic train stop. 2½ p.
- Vol. 62. No. 16. Apr. 20, 1917.
1. Progress on government railway in Alaska. 4½ p.
- Vol. 62. No. 17. Apr. 27, 1917.
1. New bridge over the Schuylkill at Manayunk. 1½ p.
- Vol. 62. No. 18. May 4, 1917.
1. Pennsylvania locomotive brick arch tests. 3 p.
2. Construction of a comprehensive low grade line. 3 p.
- Vol. 62. No. 19. May 11, 1917.
1. Canadian Northern electrification at Montreal, W. C. Lancaster. 4 p.
2. The Air Brake Association convention. 5 p.
3. How to increase railroad efficiency. 2 p.
4. Pennsylvania track elevation at Jonstown, Pa. 4½ p.
- Vol. 62. No. 20. May 18, 1917.
1. Convention of Railway Development Association. 3 p.
- Vol. 62. No. 21. May 25, 1917.
1. Pennsylvania export pier at Baltimore. 3½ p.
2. Railway Fuel Association convention. 6 p.
- Vol. 62. No. 22. June 1, 1917.
1. To increase transportation efficiency. 3½ p.
- Vol. 62. No. 23. June 8, 1917.
1. New Burlington Bridge at Kansas City. 4 p.
2. An improved design of manganese frog. 1 p.

RAILWAY GAZETTE

- Vol. XXVI. No. 9. Mar. 2, 1917.
1. Fuel economy on the Chicago Great Western. 2 p.
- Vol. XXVI. No. 10. Mar. 9, 1917.
1. Automatic signalling. 5 p.
- Vol. XXVI. No. 11. Mar. 16, 1917.
1. Automatic signalling. 2 p.
- Vol. XXVI. No. 12. Mar. 23, 1917.
1. Automatic signalling. 2 p.
- Vol. XXVI. No. 14. Apr. 6, 1917.
1. New Great Northern Station at Minneapolis, U. S. A. 7 p.
- Vol. XXVI. No. 15. Apr. 13, 1917.
1. The railways of the Argentine republic—Part II. 3 p.
2. Creep control. 1½ p.
- Vol. XXVI. No. 16. Apr. 20, 1917.
1. The railways of the Argentine republic—Part II. 3 p.
2. The new electric services to Watford. 4 p.
3. Some of the causes of rail failures. 1½ p.
- Vol. XXVI. No. 18. May 4, 1917.
1. A contribution to the study of railroad ownership and operation. 4 p.

2. An economical method of replacing trusses with girders. 2½ p.
 Vol. XXVI. No. 19, May 11, 1917.
 1. A contribution to the study of railroad ownership and operation. 4 p.

RAILWAY REVIEW

- Vol. 60. No. 14. Apr. 7, 1917.
 1. Welding by the electric arc process. 3 p.
 Vol. 60. No. 15. Apr. 14, 1917.
 1. Progress on the Boston subway. 4½ p.
 Vol. 60. No. 16. Apr. 21, 1917.
 1. Progress on the Boston subway. 5 p.
 2. Punched out track signs on the Canadian Pacific Ry. 2½ p.
 Vol. 60. No. 17. Apr. 28, 1917.
 1. Reclamation in the track and mechanical departments of the Chicago Great Western Ry. 4 p.
 Vol. 60. No. 18. May 5, 1917.
 1. Determination of actual sectional errors in railroad track scales. 1½ p.
 2. Convention of the Air Brake Association. 5½ p.
 Vol. 60. No. 19. May 12, 1917.
 1. Convention of the Air Brake Association. 2½ p.
 Vol. 60. No. 20. May 19, 1917.
 1. New automatic block signals on the Southern Railway. 2½ p.
 2. Convention of the International Railway Fuel Association. 8 p.
 Vol. 60. No. 21. May 26, 1917.
 1. New ocean terminals at Halifax. 4 p.
 2. The Julian—Bergs automatic stop and train control system. 2 p.
 Vol. 60. No. 22. June 2, 1917.
 1. The functional inter-relation of parts in the air brake system. 4 p.
 2. New ocean terminals at Halifax. 5½ p.

SCHWEIZERISCHE BAUZEITUNG

- Band LXIX. No. 11. 17 März, 1917.
 1. Die Drahtseilbahn Treib-seelisberg. 3 p.
 Band LXIX. No. 12. 24 März, 1917.
 1. Die Drahtseilbahn Treib-seelisberg. 6 p.
 Band LXIX. No. 13. 31 März, 1917.
 1. Berechnung statisch unbestimmter Eisenbeton Konstruktionen mit Berücksichtigung der Torsionsspannungen. 3½ p.
 Band LXIX. No. 15. 14 Apr., 1917.
 1. Die Wasserkraftanlagen Treppe und Seros der Barcelona Traction, Light & Power Co. 2 p.
 Band LXIX. No. 16. 21 Apr., 1917.
 1. Die Wasserkraftanlagen Treppe und Seros der Barcelona Traction, Light & Power Co. 4 p.
 Band LXIX. No. 18. 5 Mai, 1917.
 1. Wettbewerb für eine Brücke über die Birs an der Redingstrasse in Basel. 4 p.
 Band LXIX. No. 19. 12 Mai, 1917.
 1. Die Wasserkraftanlagen Treppe und Seros der Barcelona Traction, Light & Power Co. 3 p.

SCIENTIFIC AMERICAN

- Vol. CXVI. No. 17. Apr. 28, 1917.
 1. The Hudson Bay railroad. (How Canada will eliminate the railroad haul across half the continent.) 1½ p.
- Vol. CXVI. No. 18. May 5, 1917.
 1. Military engineering of the Teutons. (Building railroad bridges of stamped steel section after the manner of erection toys.) 2 p.
- Vol. CXVI. No. 20. May 19, 1917.
 1. Motor tractors and trailers. (Using the motor vehicle as a locomotive.) 2 p.

SCIENTIFIC AMERICAN SUPPLEMENT

- Vol. LXXXIII. No. 2157. May 5, 1917.
 1. Sand devastation. (How the dunes advance and how their movement is checked.) 2½ p.
- Vol. LXXXIII. No. 2158. May 12, 1917.
 1. The Marseilles-Rhone canal. 1 p.
- Vol. LXXXIII. No. 2159. May 19, 1917.
 1. Timber decay. (And its growing importance to the engineer and architect.) 1½ p.

THE ENGINEER

- Vol. CXXIII. No. 3196. Mar. 30, 1917.
 1. Petrol explosions in sewers. 1½ p.
- Vol. CXXIII. No. 3197. Apr. 6, 1917.
 1. A caterpillar tractor. 4 p.
- Vol. CXXIII. No. 3198. Apr. 13, 1917.
 1. The Watford new electric train service. 2 p.
 2. Brushwood sewage filters. 1 p.
- Vol. CXXIII. No. 3201. May 4, 1917.
 1. Cycloid-weir water meter. ½ p.
- Vol. CXXIII. No. 3203. May 18, 1917.
 1. The Bombay hydro-electric power scheme. No. 1. 5 p.

THE FAR EASTERN REVIEW

- Vol. XIII. No. 13. June, 1917.
 1. Reconnoitering the new American Railway routes. 11 p.
 2. Looking for a line from Chowkiakou to Siangyang. 3 p.

THE INDIAN AND EASTERN ENGINEER

- Vol. XL. No. 4. April, 1917.
 1. Burma-China railway connection. 2 p.

THE RAILWAY ENGINEER

- Vol. XXXVIII. No. 446. Mar., 1917.
 1. Power signalling installation at Flemington; New South Wales Government Railways. 7 p.

Vol. XXXVIII. No. 447. Apr., 1917.

1. The properties of cement concrete. 3½ p.

THE RAILWAY MAGAZINE

Vol. XL. No. 238. April, 1917.

1. The largest railway stations in the United Kingdom. 13 p.

Vol. XL. No. 239. May, 1917.

1. Railway travel in Australia. 12 p.

WATER & WATER ENGINEERING

Vol. XIX. No. 219. Mar. 15, 1917.

1. River gauging by the small Price electric current meter. 3 p.

Vol. XIX. No. 220. Apr. 16, 1917.

1. River gauging by the small Price electric current meter. 2½ p.
2. Use of concrete in hydro-electric works. 5½ p.

Vol. XIX. No. 221. May 15, 1917.

1. River gauging by the small Price electric current meter. 5 p.

新
刊
紹
介
內
外
諸
雜
誌
主
要
題
目