內外諸雜誌主要題目

工　學

第四卷. 第二號(第三十四號). 大正六年二月十日.
1. 日本せるろいど會社貯水池工事. 六頁半.
2. 東京市隅田川口改良工事濬沿物揚場護岸. 四頁.

第四卷. 第三號(第三十五號). 大正六年三月十日.
1. 水ノ粘性ヲ考ニ入レタル開渠ノ流速公式. 六頁.
2. 擁壁ノ底幅ヲ定ムル公式ニ就テ. 五頁.
3. 東京市隅田川口改良工事濬沿物揚場護岸. (二) 五頁.

第四卷. 第四號(第三十六號). 大正六年四月十日.
1. 影響線ノ應用. 四頁.
2. 鐵筋混凝土丁形擁壁設計書並ニ練積石垣トノ工費比較. 八頁.
3. 水道用鋼製水塔建設工事仕樣書概要. 六頁.

工學會誌

第四百五卷. 大正六年四月十六日.
1. 日本航路標識沿革. 九頁.
2. 東北六縣及信越ニ於ケル電氣事業概見. 十四頁.

帝國鐵道協會會報

第十八卷. 第三號. 大正六年三月二十五日.
1. 山東鐵道概要. 二十七頁.
2. 京都停車場改良工事概要. (承前) 三十九頁.

第十八卷. 第四號. 大正六年四月二十五日.
1. 京都停車場改良工事概要. (承前) 四十四頁.

ANNALES DES PONTS ET CHAUSSÉES
PARTIE TECHNIQUE

Tome XXXV. Vol. V. Sept.—Oct., 1916.
1. Réservoirs pour l'atténuation des crues et réservoirs pour l'atténuation des étiages. 41 p.
2. De l'évolution de l'idée de concession en matière de voies ferrées. 14 p.
3. Note sur l'irrigation de la plaine du chéliff, dans le département d'Oran. 14 p.
4. Note sur le pont de Chambilly sur la Loire. 13 p.
5. Le canal Wilhelmine et ses écluses. 8 p.

BULLETIN OF THE AMERICAN RAILWAY ENGINEERING ASSOCIATION

Vol. 18. No. 193. January, 1917.
1. Report on track. 38 p.
2. Report on ballast. 36 p.
3. Report on ties. 68 p.
4. Report on water service. 32 p.
5. Report on wooden bridges and trestles. 20 p.

Vol. 18. No. 194. February, 1917.
1. Report on roadway. 48 p.
2. Report on economics of railway location. 8 p.
3. Passenger train resistance. 12 p.
4. Report on yards and terminals. 50 p.
5. Report on buildings. 6 p.
6. Report on masonry. 37 p.

Vol. 18. No. 195. March, 1917.
1. Report on rail. 58 p.
2. Induced interior transverse fissures in rails. 20 p.
3. Rail tests—quick bend method. 108 p.
4. Transverse fissure rails on Louisville & Nashville R. R. 18 p.
5. The rail failure situation. 14 p.
6. Report on wood preservation. 28 p.

CEMENT WORLD

Vol. X. No. 11. Feb. 15, 1917.
1. A review of the final report of the joint committee on concrete and reinforced concrete. 3 p.
2. Labor saving methods for contractors—Filling crevises and covering surfaces with cement grout spray. 3 p.
3. A successful concrete railroad tie. 2 p.
4. Economic advantage of concrete bridges. 4 p.
5. Concrete roads. 5 p.

Vol. XI. No. 3. March, 1917.
1. Annual conventions and shows affiliated with the concrete industry. 11 p.
2. Civil engineering problems met with in dam construction. 3½ p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XII. No. 1. January, 1917.
1. Reinforced concrete outlet sewer constructed for the county borough of Belfast. 8 p.
2. The Swedish state power station at Alfkarleby. 8 p.
3. Design of pillars in reinforced concrete in accordance with the L. C. C. regulations. 8 p.

Vol. XII. No. 2. February, 1917.
1. The new cotton warehouses and terminals of the port of New Orleans. 6 p.
2. Detail design in reinforced concrete. 8 p.
3. Reinforced concrete road work in Cammore Street, Dunfermline. 4 p.

4. Design of pillars in reinforced concrete in accordance with the L. C. C. regulations. 4 p.
5. Some notes on the construction of curved dams in New South Wales. 8 p.
6. Pile driving and the supporting power of piles. 7 p.

ELECTRIC RAILWAY JOURNAL

Vol. XLIX. No. 6. Feb. 10, 1917.
1. Anatomy of the interurban report. 7 p.

Vol. XLIX. No. 8. Feb. 24, 1917.
1. Cleveland storage yard for handling way materials. 4 p.

Vol. XLIX. No. 9. Mar. 3, 1917.
1. Buffalo-Niagara Falls high-speed line. 4 p.
2. Rapid-transit system planned for Sydney, Australia. 4 p.

Vol. XLIX. No. 11. Mar. 17, 1917.
1. Analysis of track maintenance costs. 5 p.

Vol. XLIX. No. 12. Mar. 24, 1917.
1. Standardizing Car-yard track layouts in Detroit. 4 p.
2. American Railway Engineering Association meeting. 4 p.

Vol. XLIX. No. 13. Mar. 31, 1917.
1. Track and roadway. 2 p.

ENGINEERING

Vol. CIII. No. 2666. Feb. 2, 1917.
1. Great Western Railway developments in Birmingham. 3 p.

Vol. CIII. No. 2667. Feb. 9, 1917.
1. Great Western Railway developments in Birmingham. 2 p.
2. Floating pneumatic grain elevators for the French Government. 3 p.

Vol. CIII. No. 2668. Feb. 16, 1917.
1. The "Peters" high-purchase grab. 1 p.
2. Telpher installation at the Dalmarnock gas works, Glasgow. 3 p.

Vol. CIII. No. 2669. Feb 23, 1917.
1. Oldham-road goods station, Manchester; Lancashire and Yorkshire Railway. 4 p.
2. The flow of water in wood-stave pipe. 2½ p.
3. Preservation of timber from boring organisms. 1 p.
4. Alternating stress experiments. 4 p.

Vol. CIII. No. 2670. March 2, 1917.
1. Telpher installation at the Dalmarnock gas works, Glasgow. 3 p.
2. Alternating stress experiments. 3½ p.

Vol. CIII. No. 2671. March 9, 1917.
1. The remodelling of an old graving dock at Southampton. 2 p.

ENGINEERING NEWS

Vol. 77. No. 7. Feb. 15, 1917.
1. Southern power company adds 40,000-HP. capacity to its system. 3 p.
2. The Miami Valley flood-protection work.—V. 5½ p.
3. Concrete bridges with through arches. 2 p.

Vol. 77. No. 8. Feb. 22, 1917.
1. Ship canal from Swedish lake to ocean. 2 p.

2. Formulas for the three-piece frame and eccentrically loaded columns. 2 p.
3. Slide gates and needle valves in the Elephant Butte Dam. 3 p.
4. Report on collapse of falsework on Spokane concrete bridge. 3 p.

Vol. 77. No. 9. Mar. 1, 1917.

1. Clamshell dredge with 195 ft. boom. 2 p.
2. Excess rock excavation in Catskill Aqueduct tunnels. 3 p.
3. Big drainage project in North Carolina with rural-district plan. 3 p.
4. Crack in new concrete arch explained by freezing of pocketed water. 3½ p.

Vol. 77. No. 10. Mar. 8, 1917.

1. Design and construction details of a long concrete arch bridge. 2 p.
2. Building bridge piers in the Mississippi River. 3 p.
3. Sector gates at middle falls dam on Genesee River at Rochester. 3 p.
4. Bucking the big drifts in Wyoming. 3 p.

Vol. 77. No. 11. Mar. 15, 1917.

1. Virginia Railway has world's greatest locomotive. 2 p.
2. Deep dredging piers and multiple pneumatic pier on the Thames Bridge. 4 p.
3. Extending piers for double-tracking B. & L. E. Allegheny River bridge. 2 p.

Vol. 77. No. 12. Mar. 22, 1917.

1. Sinking extensive caisson foundations for a St. Louis Hotel. 1½ p.
2. Art gallery built on a 200-ft. bridge. 2 p.
3. Deep foundations of Metropolis Bridge; built under 51 pounds of air. 5 p.
4. Cantilever highway bridge over the Mississippi. 2 p.
5. Railway grade changes in two cities. 2½ p.

Vol. 77. No. 13. Mar. 29, 1917.

1. Arcaded cantilevers cased in concrete feature a Million-Dollar Bridge. 4½ p.
2. A safe method of estimating minimum rainfall. 3 p.
3. Impact tests on brick paving slabs variously construed. 2 p.
4. Spring friction will hold Quebec span against drag of braked trains. 3 p.
5. Track locations complicate a bridge rolling job. 3 p.

ENGINEERING NEWS-RECORD

Vol. 78. No. 1. Apr. 5, 1917.

1. Relations between sewage disposal and water-supply are changing. 2 p.
2. Civilian engineers instruct "rookies" at citizens' training camp. 4 p.
3. Concrete structures wrecked by intense heat at cereal-plant fire causing $2,000,000 damage. 4½ p.
4. Concrete spillway defects caused by construction negligence. 3 p.
5. Standard plan solve problem of state highway bridge. 4 p.
6. Small clearance under steel bridge calls for shallow floor. 3½ p.
7. New intercepting sewer at Chicago stockyards has brick arch anchored to concrete base. 3 p.

ENGINEERING RECORD

Vol. 75. No. 7. Feb. 17, 1917.

1. Simple and cantilever K-trusses analyzed. 2 p.
2. Stiffened floor insures smooth pavement on Queensboro Bridge. 2¼ p.

Vol. 75. No. 8. Feb. 24, 1917.
1. Inclined tunnels buttress power plant. 5 p.
2. Tests made to determine lateral resistance of wire nails. 1½ p.
3. Proposes to build high-level bridge over Hudson ten miles south of Albany. 2½ p.

Vol. 75. No. 9. Mar. 3, 1917.
1. Filters run longer when aeration reduces free carbonic acid. 3½ p.
2. Test hooped concrete columns with cast-iron cores. 3 p.

Vol. 75. No. 10. Mar. 10, 1917.
1. Tar macadam on concrete base serves both motor and horse traffic. 3 p.
2. Compares flat-slab design requirements in light of test results. 2½ p.

Vol. 75. No. 11. Mar. 17, 1917.
1. Steel in New York elevated station hidden by ornamental concrete. 3 p.
2. How to determine the annual unit cost of pavements. 2½ p.
3. Build high earth dam by alternate ridge-and-wet-trench method. 2 p.

Vol. 75. No. 12. Mar. 24, 1917.
1. Would redesign times square station for New York's enlarged transit system. 4 p.
2. Transformed-section analysis of reinforced concrete beams. 1 p.
3. Pool Point Bridge erected by using a-frame over deep water. 1 p.
4. Standard highway-bridge plans used on county-road system. 2½ p.

Vol. 75. No. 13. Mar. 31, 1917.
1. Columbia River jetty rapidly nearing completion. 2½ p.
2. Experiment with groins at Santa Monica beach successful. 1½ p.
3. Twin 100,000-gallon tanks designed with spherical bottoms. 1½ p.

INDIAN ENGINEERING

Vol. LX. No. 18. Oct. 28, 1916.
1. Reinforced concrete pipe culvert. 2 p.
2. Flood absorption in tank. 1 p.

Vol. LX. No. 19. Nov. 4, 1916.
1. Pile-drawing. 2½ p.

Vol. LX. No. 21. Nov. 18, 1916.
1. Brief report on two major reinforced concrete bridge built by Bihar and Orissa Public Works Department in Palamau district. 2 p.

Vol. LX. No. 24. Dec. 9, 1916.
1. Concrete bridges.—I. 1 p.

Vol. LX. No. 25. Dec. 16, 1916.
1. Concrete bridges.—II. 1 p.

Vol. LX. No. 26. Dec. 23, 1916.
1. Concrete bridges.—III. 1 p.
2. The asphaltum experiment in Calcutta. 1 p.
3. Water conservation. 1 p.

Vol. LX. No. 27. Dec. 30, 1916.
1. The Macadam road.—I. 1 p.
2. Concrete bridges.—IV. 1 p.
3. Water conservation.—II. 1 p.

Vol. LXI. No. 2. Jan. 13, 1917.
1. The brasher air breakwater. 2 p.
2. Concrete roads. 1 p.

Vol. LXI. No. 3. Jan. 20, 1917.

1. The standard rivet, bolt and nut works. 1 p.

INDUSTRIAL MANAGEMENT
(TWENTY-SIXTH YEAR OF THE ENGINEERING MAGAZINE)

新刊紹介 内外雑誌主要題目

Vol. LIII. No. 1. April, 1917.
1. Statistical control of railroad operations. 3 p.
2. Feed water-purification, heating, and pumping. 19 p.

LE GÉNIE CIVIL

Tome LXX. No. 5. 3 Fév., 1917.
1. Accident et restauration de la digue de Charmes (alimentation du canal de la Marne à la Saône). 4 p.
2. Sur la stabilité des talus de grande hauteur, notamment dans les digues de réservoir. 4 p.

Tome LXX. No. 6. 10 Fév., 1917.
1. Les ports francais et la guerre: Rouen et la Havre. 10 p.

Tome LXX. No. 7. 17 Fév., 1917.
1. Le nouveau canal de Trollhättan à Göteborg. (Suède). 4½ p.

Tome LXX. No. 10. 10 Mar. 1917.
1. Emploi du système de calage à leviers coudés "toggle" pour les ponts mobiles. 2 p.

MUNICIPAL JOURNAL

Vol. XLII. No. 7. Feb. 15, 1917.
1. Water supply of Parkersburg. 2 p.

Vol. XLII. No. 8. Feb. 22, 1917.
1. Water in concrete mixing. 2¾ p.

Vol. XLII. No. 9. Mar. 1, 1917.
1. Los Angeles hydro-electric power plant. 3 p.
2. Traffic census. 1¼ p.

Vol. XLII. No. 11. Mar. 15, 1917.
1. Catch basin construction and maintenance. 3 p.

Vol. XLII. No. 12. Mar. 22, 1917.
1. Chlorine disinfection in waterworks plants. 6 p.

Vol. XLII. No. 13. Mar. 29, 1917.
1. Chlorination and coagulation at San Diego. 2 p.
2. Pavement statistics tables. 3 p.

RAILWAY GAZETTE

Vol. XXVI. No. 5. Feb. 2, 1917.
1. South Indian Railway struck by a cyclone. 3 p.

Vol. XXVI. No. 6. Feb. 9, 1917.
1. A study in operation—St. Louis & San Francisco. 4 p.

Vol. XXVI. No. 7. Feb. 16, 1917.
1. Train control on the Great Indian Peninsula Railway. 3 p.
2. The scope of electric and petrol road vehicles in railway parcels cartage. 1½ p.

Vol. XXVI. No. 8. Feb. 23, 1917.

1. The Michigan Central Yard at Detroit. 3 p.

RAILWAY REVIEW

Vol. 60. No. 6. Feb. 10, 1917.
1. Rebuilding the Missouri River Bridge of the Union Pacific R. R., Omaha, Nebraska. 3 p.

Vol. 60. No. 7. Feb. 17, 1917.
1. Restoration of washed-out bridges on the Southern Railway. 3 p.
2. The Castleton Cut-off, New York Central R. R. 2 p.
3. Obeying the distant signal. 2½ p.

Vol. 60. No. 8. Feb. 24, 1917.
1. Railway electrification for freight and passenger service at Buenos Aires, Argentina. 3½ p.

Vol. 60. No. 9. Mar. 3, 1917.
1. Train line maintenance. 3 p.
2. Passenger train resistance. 3 p.

Vol. 60. No. 10. Mar. 10, 1917.
1. A plate fulcrum track scale, Pennsylvania Railroad. 3½ p.
2. Maintenance of air brakes on freight car equipment. 2½ p.

Vol. 60. No. 11. Mar. 17, 1917.
1. Double-track construction on the Southern Railway. 24 p.

Vol. 60. No. 12. Mar. 24, 1917.
1. New Curtis Bay coal pier of the Baltimore & Ohio R. R., at Baltimore. 2 p.
2. Convention of the Railway Engineering Association. 8 p.

SCHWEIZERISCHE BAUZEITUNG

Band 69. No. 4. 27. Jan., 1917.
1. Das neue Elektrizitätswerk der Stadt Chur an der Plessur bei Lüen. (Schluss von Seite 24.) 1½ p.

Band 69. No. 5. 3. Feb., 1917.
1. Brücken in armiertem Beton über die Glatt in Dübendorf. 3 p.

Band 69. No. 6. 10. Feb., 1917.
1. Die Verhinderung des Rostens der Eiseneinlagen im Eisenbeton. 3 p.

Band 69. No. 8. 24. Feb., 1917.
1. Ueber die Sicherung des Zugverkehrs durch elektrische Blockapparate auf der Strecke Olten-Tecknau der neuen Hauensteinlinie. 5 p.

SCIENTIFIC AMERICAN

Vol. CXVI. No. 8. Feb. 24, 1917.
1. Completing the world's busiest waterway. (The fourth lock at Sault Ste. Marie.) 1½ p.

Vol. CXVI. No. 10. Mar. 10, 1917.
1. Concreting a railroad. (Monolithic construction being freely substituted for wood and iron.) 1 p.

SCIENTIFIC AMERICAN SUPPLEMENT

Vol. LXXXIII. No. 2149. Mar. 10, 1917.

1. Tunneling under a river. (Difficulties encountered in the sub work in New York.) 1 p.

Vol. LXXXIII. No. 2150. Mar. 17, 1917.

1. Stone and concrete road foundations. (From the standpoint of efficie and economy.) 1½ p.

Vol. LXXXIII. No. 2151. Mar. 24, 1917.

1. Structural Engineering. (Some things we do not know.) 2 p.

THE ENGINEER

Vol. CXXIII. No. 3184. Jan. 5, 1917.

1. Belt conveyor coal loading plant in N. S. W. 3 p.

Vol. CXXIII. No. 3185. Jan. 12, 1917.

1. Harbours, docks and waterways in 1916. No. II. 1 p.
2. Water supply and sanitary engineering in 1916. No. II. 1 p.
3. New water supply for Broken Hill, N. S. W. 2 p.

Vol. CXXIII. No. 3186. Jan. 19, 1917.

1. The proposed Rhone-Rhine Canal. 1 p.

Vol. CXXIII. No. 3188. Feb. 2, 1917.

1. Pyrmont electric swing bridge. No. II. 4 p.
2. Removing subaqueous rock under difficult conditions. 2 p.

Vol. CXXIII. No. 3189. Feb. 9, 1917.

1. Pyrmont electric swing bridge. No. III. 4 p.

Vol. CXXIII. No. 3190. Feb. 16, 1917.

1. Pyrmont electric swing bridge. No. IV. 4 p.

Vol. CXXIII. No. 3191. Feb. 23, 1917.

1. Alternating stress experiments. 1 p.
2. Bascule bridge over the Chicago River. 2 p.

THE INDIAN AND EASTERN ENGINEER

Vol. XL. No. 2. February, 1917.

1. Sydney Harbour. 2 p.

THE RAILWAY ENGINEER

Vol. XXXVIII. No. 445. February, 1917.

1. Route, section or track locking. 3 p.
2. Reinforced concrete buildings. III. 3½ p.
3. Pulverized fuel for locomotives. 5 p.

WATER AND WATER ENGINEERING

Vol. XIX. No. 218. February 15, 1917.

1. River gauging by the small Price electric current meter. 4 p.
2. New sand washer at Airdrie. 1½ p.