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内外諸雑誌主要題目

工學

第三卷. 第二號(第二十二號). 大正五年二月十日.

1. 電話地下管路ニ就テ.
2. 平壙ノ下水道.
3. 糸鉛ト空氣壓搾機ニヨル鐵管ノ接合トニ就テ. (二).
4. 軌條ノ用途撰擇及檢査ニ就テ. (二).
5. 請負ノ研究. (二十一).

第三卷. 第三號(第二十三號). 大正五年三月十日.

1. 鑄鐵管試驗ノ話.
2. 糸鉛ト空氣壓搾機ニヨル鐵管ノ接合トニ就テ. (三).
3. 軌條ノ用途撰擇及檢査ニ就テ. (三).
4. 埋立工事ト唧筒式浚渫機. (二).
5. 請負ノ研究. (二十二).

工學會誌

第三百九十一卷. 大正五年一月二十一日.

1. 軌條ノ用途撰擇及檢査ニ就テ.

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第四十四卷. 第五百七十二號. 大正五年一月二十五日.

1. 茨城縣伊讃美原ニ於ケル灌漑事業.
2. 東京市ノ道路.

第四十四卷. 第五百七十三號. 大正五年二月十日.

1. 工業ノ進歩ト技術者.

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1. 藥品ヲ用ヒテ流量ヲ測定スル新法ニ就テ.

ANNALES DES PONTS ET CHAUSSÉES
PARTIE TECHNIQUE

Tome XXVII. Vol. III. Mai–Juin, 1915.

1. Viaduc sur l'étang de Caronte (Ligne de Miramas à l'Estaque).
2. L'usine d'énergie de Porjus pour l'electrification des chemins de fer suédois.
3. Les Grandes voûtes en maçonnerie.

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XIV Jahrgang. Heft XIX/XX. 6. Dez., 1915.

1. Ein Versuch mit einer Kreuzweis bewehrten Deckenplatte (System Kiefer).
2. Kreuzlinienabschnitte.
3. Die Wasserkraftanlage im Michigan (N.-A.).
4. Die Füsse der Eisenbetonstützen.
5. Gekrümmte Erdgleitflächen.
6. Formeln zur statischen Berechnung rechteckiger Tunnel.
7. Bestimmungen für Ausführung von Bauwerken aus Eisenbeton. Aufgestellt vom Deutschen Ausschuss für Eisenbeton, Oktober 1915. (Schluss aus Heft XVII/XVIII).

CASSIER'S ENGINEERING MONTHLY

Vol. 49. No. 1. January, 1916.

1. A great gas tunnel.

CEMENT WORLD

Vol. IX. No. 10. Jan. 15, 1916.

1. "Penetration" concreting, using cement grout.
2. Concrete pipe business and its possibilities.
3. Concrete slab, beam, and girder floors. Part 4.
4. General rules of estimating, chapter 4.

Vol. IX. No. 11. Feb. 15, 1916.

1. Cement joints for cast iron water mains.
2. Placing concrete under water.
3. Concrete slab, beam, and girder floors. Part 5.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XI. No. 1. January, 1916.

1. The reinforced concrete bridge over the Skurusund, Sweden.
2. Concrete articles on railways.
3. Large concrete piles.

ELECTRIC RAILWAY JOURNAL

Vol. XLVII. No. 26. Dec. 25, 1915.

1. Curved heads for girder rails in Brooklyn.

Vol. XLVIII. No. 1. Jan. 1, 1916.
1. Development of the future in electrification.
Vol. XLVIII. No. 2. Jan. 8, 1916.
1. Estimating cost of track construction on a unit-time basis.
Vol. XLVIII. No. 3. Jan. 15, 1916.
1. Fundamental principles of car operation efficiency.
2. Third tracking complete on the New York elevated.
Vol. XLVIII. No. 5. Jan. 29, 1916.
1. Construction and operating details of Philadelphia electrification.
Vol. XLVIII. No. 7. Feb. 12, 1916.
1. Paving street railway tracks.

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Vol. C. No. 2607. Dec. 17, 1915.
1. Torsion stresses in framed structures.
Vol. C. No. 2608. Dec. 24, 1915.
1. The electrification of the Riksgräusen Railway and its rolling-stock.
Vol. C. No. 2609. Dec. 31, 1915.
1. Caisson-sinking and pier construction at Southwark Bridge.
Vol. CI. No. 2610. Jan. 7, 1916.
1. The Lake Margaret hydro-electric power works.
2. Secondary stresses.
3. The life of concrete structures.
4. Phosphorus in iron and steel.
Vol. CI. No. 2611. Jan. 14, 1916.
1. Electrification of the Manchester to Bury section of the Lancashire and Yorkshire Railway.
Vol. CI. No. 2612. Jan. 21, 1916.
1. The bending and torsion of beams of commercial section.
2. Electrification of the Manchester to Bury section of the Lancashire and Yorkshire Railway.
Vol. CI. No. 2613. Jan. 28, 1916.
1. Electrification of the Manchester to Bury section of the Lancashire and Yorkshire Railway.
Vol. CI. No. 2614. Feb. 4, 1916.
1. The bending and torsion of beams of commercial section.
2. The Lake Margaret hydro-electric power scheme.
3. Effect of temperature on the strength of concrete.

ENGINEERING NEWS

Vol. 74. No. 26. Dec. 23, 1915.
1. Pike's Peak Highway, Colorado.
2. Sand and gravel washing and grading plant.
3. Reconstruction of reservoir at St. Louis, Mo.
4. Constructing a large concrete sewer at Chicago.
Vol. 74. No. 27. Dec. 30, 1915.
1. Low concrete dam at Harrisburg across Susquehanna River.
2. A 2,223-ft. concrete-arch bridge built on reverse curve.
Vol. 75. No. 1. Jan. 6, 1916.
1. Q Street Bridge at Washington.

2. Building the Chesapeake & Ohio Northern Railway.
3. Eight years of imhoff-tank design and operation.—I.
4. Quebec Bridge erection progress in 1915.

Vol. 75. No. 2. Jan. 13, 1916.
1. Eight years of imhoff-tank design.—II.
2. Analysis of the failure of an earth-fill dam.
3. First all-rail through route across New York City.

Vol. 75. No. 3. Jan. 20, 1916.
1. How the New York Barge Canal will be operated.—I.
2. Reservoir and concrete dam in glacial drift.

Vol. 75. No. 4. Jan. 27, 1916.
1. Making the earthwork approach to Columbia River Bridge.
2. Old and new water tanks at Princeton, N. J.
3. Elevation of low-level streets on Pittsburgh River front.
4. Some radical changes in brick-pavement construction.
5. Reinforced concrete street viaduct at Denver.

Vol. 75. No. 5. Feb. 3, 1916.
1. Two early suspension bridges just taken down.
2. Causes of failure in creosoted wood block.
3. Building relief and outlet sewers at Chicago.

Vol. 75. No. 6. Feb. 10, 1916.
1. Concreting plant for Halifax Ocean-Terminal work.
2. Bone's retaining-wall patent and its anticipations.
3. Activated-sludge experiments at Milwaukee, Wis.
4. Machine for placing concrete lining in canals.
5. Flood control in Los Angeles county in California.—I.

Vol. 75. No. 7. Feb. 17, 1916.
1. Oldest irrigation conduit and dam in the United States.
2. Lost-head diagrams for bends in water pipe.
3. Activated-sludge experiments at Milwaukee, Wis.—II.
4. Flood control in Los Angeles county in California.—II.

ENGINEERING RECORD

Vol. 72. No. 26. Dec. 25, 1915.
1. Structural engineering and earthquakes.
2. Pressure chamber equalizes wash-water distribution at Miraflores Filters.
3. Detroit-superior 591-foot steel arch successfully swung by toggle adjustment.

Vol. 73. No. 1. Jan. 1, 1916.
1. New Quincy Intake characterized by provision against accumulation of sand.
2. Broeken track stringers in bascule bridge lead to proposed new floor design.
3. To relief gates considered for handling cross-canal flood waters.

Vol. 73. No. 2. Jan. 8, 1916.
1. Tunnel drill carriages—their economic possibilities. Part I.
2. Shore at Venice, California, best protected by permanent sea wall and low groins.

Vol. 73. No. 3. Jan. 15, 1916.
1. Five schemes considered for power development at Kananaskis Falls, Alberta.—Part I.

2. Tunnel drill carriages—their economic possibilities.—Part II.
3. Steel columns of thick material relatively weak.
4. New formulas and diagrams give deflection of beams under any loading.

Vol. 73. No. 4. Jan. 22, 1916.
1. Ocean Terminals under construction expected to make Halifax an important port.
2. High unit pressure found in experiments on distribution of vertical loading through sand.
3. Tunnel drill carriages—their economic possibilities.—Part III.

Vol. 73. No. 5. Jan. 29, 1916.
1. Belt conveyors a success in pneumatic tunnel construction at Boston.
2. Sea walls of various designs discussed and compared.
3. Large volume of concrete handled in small batches at Halifax Ocean Terminals.

Vol. 73. No. 6. Feb. 5, 1916.
1. Sand and oil road construction methods improved by Massachusetts Commission.
2. Greenheart, used in Panama Canal, is a timber with exceptional qualities.—Part 2.

Vol. 73. No. 7. Feb. 12, 1916.
1. Concrete road-building method yield profits in cash instead of in plant.
2. Largest imhoff tank plant nearly ready to treat Rochester's sewage.
3. Highest arch highway viaduct of striking appearance economically constructed.
4. Analysis and tests held to show advantages of new flat-slab reinforcement.—Part I.

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Vol. XX. No. 9. November, 1915.
1. The relations of the railways and public.
2. A short description of some of the construction features of the Greater Winnipeg Water Supply.

LE GÉNIE CIVIL

Tome LXVII. No. 25. 18 Déc., 1915.
1. La situation des chemins de fer en Asie Mineure et les projets germanotures.

Tome LXVII. No. 26. 25 Déc., 1915.
1. Le canal de Panama. Les résultats de la première année d'exploitation. Éboulements qui interrompent la navigation depuis le 18 septembre 1915.
2. Note sur le flambage des pièces à treillis.

Tome LXVIII. No. 2. 8 Jan., 1916.
1. Installation de filtration d'eau à la piscine municipale Ledru-Rollin, à Paris.

Tome LXVIII. No. 3. 15 Jan., 1916.

1. Le nouveau viaduc en béton sur le Big Creek, à Cleveland (Ohio, É.—U.).

Tome LXVIII. No. 4. 22 Jan., 1916.

1. Les portes de l'écluse de Keokuk, sur le Mississipi (Iowa, É.—U.).

Tome LXVIII. No. 5. 29 Jan., 1916.

1. Les ponts de Montauban.
2. L'usine hydro-électrique de Porjus pour l'electrification des chemins de fer suédois.

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Vol. XXXIX. No. 26. Dec. 23, 1915.

1. Calumbus Water Works to make its own line.

Vol. XXXIX. No. 27. Dec. 30, 1915.

1. Brick pavement construction.

Vol. XL. No. 1. Jan. 6, 1916.

1. Practical street construction.
2. Street cleaning and pavement economy.

Vol. XL. No. 2. Jan. 13, 1916.

1. Sanitary features of Los Angeles aqueduct.
2. Losses in fire hydrants.
3. Planning street alignment.
4. Resurfacing old macadam road.

Vol. XL. No. 3. Jan. 20, 1916.

1. Diagonal thorofares.

Vol. XL. No. 4. Jan. 27, 1916.

1. Reservoir improvements at Castleton.
2. Diagonal thorofares.

Vol. XL. No. 5. Feb. 3, 1916.

1. Paving in San Antonio.
2. Paving statistics of American cities (Tables).

Vol. XL. No. 6. Feb. 10, 1916.

1. Laying concrete in polar weather.
2. Activated sludge method in England.
3. Diagonal thorofares.

Vol. XL. No. 7. Feb. 17, 1916.

1. Salem covered concrete reservoir.
2. Penetration Macadam roads.
3. Practical street construction.

PROFESSIONAL MEMOIRS

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

Vol. VIII. No. 37. Jan.—Feb., 1916.

1. Cost-keeping and efficiency in works of the engineer department.
2. Construction of concrete block at end of south jetty, Humboldt Bay, California.
3. Shore protection at Venice, California.
4. The muscle shoals section of the Tennessee River.
5. Topographical survey, fort sill military reservation.

6. Failure of masonry and rock ledge cofferdam at Louisville and Portland Canal.

RAILWAY GAZETTE

Vol. XXIII. No. 24. Dec. 10, 1915.
1. Bilaspur Junction, Bengal-Nagpur Railway.
2. The freight terminal.

Vol. XXIII. No. 25. Dec. 17, 1915.
1. Building concrete caissons in the Platte River.

Vol. XXIV. No. 2. Jan. 14, 1916.
1. Electrification of the Manchester to Bury section of the Lancashire & Yorkshire Railway.
2. New Pittsburg north side freight station of the Pennsylvania Railroad.

Vol. XXIV. No. 3. Jan. 21, 1916.
1. Electrification of the Manchester to Bury section of the Lancashire & Yorkshire Railway.
2. An automatic goods trollies coupler.

RAILWAY REVIEW

Vol. 58. No. 1. Jan. 1, 1916.
1. The use of brick for station platforms.
2. Tentative designs for overhead contact system in the electrification of Chicago Railway Terminals.

Vol. 58. No. 2. Jan. 8, 1916.
1. The economics of railway signalling.

Vol. 58. No. 3. Jan. 15, 1916.
1. Tentative designs for terminal facilities in the electrification of Chicago Railways.

Vol. 58. No. 4. Jan. 22, 1916.
1. Experiments on the distribution of vertical pressure through sand.
2. Proper oil for creosoting wood blocks for paving.

Vol. 58. No. 5. Jan. 29, 1916.
1. Creosoted piling and poles.
2. Some problems and principles of government regulation of railroads.

Vol. 58. No. 6. Feb. 5, 1916.
1. Power requirements in the electrification of Chicago Railroads.

SCIENTIFIC AMERICAN

Vol. CXIII. No. 26. Dec. 25, 1915.
1. Some of the world's largest and most notable bridges.

Vol. CXIV. No. 1. Jan. 1, 1916.
1. Seeing America and the Lincoln Highway. (Necessity of national cooperation.)

Vol. CXIV. No. 3. Jan. 15, 1916.
1. Protecting Galveston's sea-wall. (Repair methods which are being used in repairing recent storm's Havoc.)

SCIENTIFIC AMERICAN SUPPLEMENT

Vol. LXXX. No. 2086. Dec. 25, 1915.
1. The Leuk-Leukerbad Railway. (A scenic line in the Bernese Alps.)
Vol. LXXXI. No. 2087. Jan. 1, 1916.
1. Building a big earth dam. (Interesting details and methods of construction.)
Vol. LXXXI. No. 2090. Jan. 22, 1916.
1. Water powers of Canada. (Notes of the natural resources and some of the developments.)
2. The largest gasoline ferryboat. (A successful application of gasoline engines in exacting service.)
Vol. LXXXI. No. 2091. Jan. 29, 1916.
1. Oil-mixed portland cement concrete.—I. (Notes on the preparation and use of a valuable building material.)
Vol. LXXXI. No. 2092. Feb. 5, 1916.
1. Oil-mixed portland cement concrete.—II. (Notes on the preparation and use of a valuable building material.)
Vol. LXXXI. No. 2093. Feb. 12, 1916.
1. A differentiator. (An instrument for laying out curves in engineering problems.)
2. Ore unloading on the Great Lakes. (How the immense shipments of ore compelled the development of great machines.)

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Vol. CXX. No. 3126. Nov. 26, 1915.
1. Hell Gate Bridge, New York.
Vol. CXX. No. 3127. Dec. 3, 1915.
1. Moving and placing American railway drawbridges by means of barges.
Vol. CXX. No. 3128. Dec. 10, 1915.
1. Liverpool's overhead and underground railways.
2. The relative corrodibilities of iron and steel.
Vol. CXX. No. 3129. Dec. 17, 1915.
1. The corrosion of metals.
Vol. CXX. No. 3131. Dec. 31, 1915.
1. The activated sludge experiments at Salford.
2. Conveyors for discharging bulk cargoes from steamers.
3. The upkeep of railway wagons.
Vol. CXXI. No. 3132. Jan. 7, 1916.
1. The Kensico Dam.
2. Water supply in 1915.
3. Docks, harbours and waterways in 1915.—No. I.
4. Bridge building.
Vol. CXXI. No. 3133. Jan. 14, 1916.
1. Docks, harbours and waterways in 1915.—No. II.
2. Sanitary engineering in 1915.—No. I.
3. Manchester to Bury electrification.—No. I.
4. Lake Margaret hydro-electric power scheme.
Vol. CXXI. No. 3134. Jan. 21, 1916.
1. Manchester to Bury electrification.—No. II.
2. An activated sludge sewage disposal plant at Milwaukee.

THE RAILWAY ENGINEER

Vol. XXXVII. No. 432. January, 1916.

1. Anti-collision railway carriages.

THE RAILWAY MAGAZINE

Vol. XXXVII. No. 222. December, 1915.

1. Railway signalling and interlocking.
2. A novel miniature line.

WATER AND WATER ENGINEERING

Vol. XVII. No. 204. Dec. 15, 1915.

1. The hydraulic jump.
2. The water supply of the Rand.
3. The Punjab Triple Canal Systems.

Vol. XVIII. No. 205. Jan. 15, 1916.

1. Harbour and coast defence works at Alexandria, Egypt.
2. Treatment of water with hypochlorite.
3. A modern rotary drill.