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新刊紹介
内外諸雜誌主要題目

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發電水力

第三號 大正四年五月十五日

1. 水力電氣ト小工業
2. 水力發電所創設費 (其三)
3. 流量曲線ニ就テ (三)
4. 竣成近キ揖斐川電力ノ工事概要 (其一)
5. 大正三年發電水力地點 (遞信省調査)

第四號 大正四年六月十五日

1. 流量曲線ニ就テ (四)
2. 竣成近キ揖斐川電力工事概要 (其二)

かはさき畫報

第三卷 第二十八號 大正四年六月

1. 福島縣阿賀川筋治水工事設計書

工學

第二卷 第六號 大正四年六月十日

1. 東京市改良下水道ノ内第二區第十四分區之ニ下水管理設
工事報告
2. 函形暗渠ニ於ケル應力計算法
3. 鍛冶橋 (五)
4. 請負ノ研究 (十四)

工業雜誌

第四十二卷 第五百五十六號 大正四年五月二十五日

1. 鐵道事故ト制動機.

第四十二卷. 第五百五十七號. 大正四年六月十日.

1. 耐壓強ノ上ニ於ケル硅藻土ノ價值「附」水密ノ程度. (一)

第四十二卷. 第五百五十八號. 大正四年六月二十五日.

1. 耐壓強ノ上ニ於ケル硅藻土ノ價值「附」水密ノ程度. (二)

BULLETIN OF THE SOCIETY FOR THE PROMOTION OF
ENGINEERING EDUCATION

Vol. V. No. 8. April, 1915.

1. Highway engineering in Iowa.

CASSIER'S ENGINEERING MONTHLY

Vol. 47. No. 5. May, 1915.

1. Glasgow: Its docks and river. (continued)

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. X. No. 4. April, 1915.

1. Moment of inertia of reinforced concrete sections.
2. Halifax Ocean terminals.—New pier No. 2.
3. Economy in reinforced concrete construction.
4. The concrete column bridge at Hudson, Wisconsin.

Vol. X. No. 5. May, 1915.

1. Reinforced concrete pier at Padstow.
2. A semicircular arch carrying its own weight only.
3. Reinforced concrete quay wall, Southampton.
4. Reinforced concrete in earthquake districts.
5. Some notes on wind pressure.

ELECTRIC RAILWAY JOURNAL

Vol. 45. No. 17. April 24, 1915.

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1. Repair-shop procedure at Milwaukee.

Vol. 45. No. 18. May 1, 1915.

1. The Vienna-Pressburg single-phase railway.

2. Zone fares in Milwaukee.

Vol. 45. No. 19. May 8, 1915.

1. The New York municipal car-brakes and auxiliaries.

2. Investment required per passenger.

Vol. 45. No. 20. May 15, 1915.

1. New power station for Havana.

Vol. 45. No. 21. May 22, 1915.

1. Two-car trains on 25 per cent grade.

2. A shockless railroad crossing.

ENGINEERING

Vol. XCIX. No. 2571. April 9, 1915.

1. Self-reading stadia theodolite.

Vol. XCIX. No. 2572. April 16, 1915.

1. The loss of head in pipes.

2. On impact coefficients for railway girders.

Vol. XCIX. No. 2573. April 23, 1915.

1. The Brooks Aqueduct, Alberta.

Vol. XCIX. No. 2574. April 30, 1915.

1. Recent Thames bridge and tunnel construction.

2. Dock walls.

Vol. XCIX. No. 2576. May 14, 1915.

1. Sound steel ingots and rails.

Vol. XCIX. No. 2577. May 21, 1915.

1. Recent Thames bridge and tunnel construction. (continued from page 483.)

Vol. XCIX. No. 2578. May 28, 1915.

1. Permeability tests of concrete.
2. The Panama Canal. No. XIII.
3. The Greta Railway accident.
4. Iron, carbon, and phosphorus.

ENGINEERING NEWS

Vol. 78. No. 16. April 22, 1915.

1. Dredging work on the Panama Canal slides.
2. Lahontan Dam, Truckee-Carson irrigation project, Nevada.
3. Wilson Ave. water tunnel at Chicago.
4. Octagonal framed dome, San Francisco Auditorium.
5. High concrete retaining wall with structural reinforcing.
6. Chart of equivalent uniform loads for railway bridges.

Vol. 78. No. 17. April 29, 1915.

1. Contract methods and equipment for a typical Ohio River dam.
2. The Alliance water filters.
3. History of the Attleboro standpipe of reinforced concrete.
4. Multiple-arch dam to retain Quartz Mill tailings.
5. Municipal garbage-reduction plant, Schenectady, N.Y.
6. Railway mowing and weed-cutting machines.
7. Municipal wharves and sheds at Los Angeles.

Vol. 78. No. 18. May 6, 1915.

1. Repairing and waterproofing the Nashville Water-Works Reservoir.
2. Operations of the Cincinnati Water-Filtration Plant for 1914.
3. Stripping water-works reservoirs.
4. An explanation of some common painting troubles.

Vol. 78. No. 19. May 13, 1915.

1. The Panama crane contract.
2. Failure of Panama crane "Ajax."
3. The Cabrillo Bridge at the San Diego Exposition.

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4. Sewage-treatment plant at Calvert, Tex.

Vol. 73. No. 20. May 20, 1915.

1. Highway bridge approach details.
2. Kensico Dam construction in 1914.
3. Water-supply and typhoid fever at Cumberland, Md.
4. Design of steel elevated railways, N. Y. Rapid Transit System.

Vol. 73. No. 21. May 27, 1915.

1. Multiple-arch diversion dam at Three Miles Falls, Oregon.
2. Redressed granite-block pavements.

Vol. 73. No. 22. June 3, 1915.

1. Transmission losses in unlined irrigation channels.
2. New municipal asphalt plant for Borough of Manhattan.
3. Reconstruction of Austin, Texas, masonry dam.

Vol. 73. No. 23. June 10, 1915.

1. Sewage-works of Morristown.
2. Topographic surveys for logging operations.
3. Water-pipe tunnel, Metropolitan Water-Works.
4. Deterioration of steel bridges over railway tracks at Buffalo.

ENGINEERING RECORD

Vol. 71. No. 17. April 24, 1915.

1. New tunnel, 400 feet below existing bore, replaces short section of damaged Catskill Siphon.
2. Two time-savers for use with influence lines.
3. Substructure for New Memphis Bridge.
4. Concrete column tests disclose effects of longitudinal and spiral reinforcement.

Vol. 71. No. 18. May 1, 1915.

1. Fallsway Viaduct in Baltimore built on sharp curve with concrete from 205-foot tower.

2. Result of recent tests of steel columns presented and discussed.
3. General practice in sand testing.
4. Experimental Mississippi River levees indicate possibility of eliminating seepage.
5. Use of six-inch and eight-inch aggregate points to economics in concrete work.

Vol. 71. No. 19. May 8, 1915.

1. Columbus Waterworks makes its own alum.—A revolutionary step in water purification practice.
2. Baltimore filters abound in useful hints on concrete construction and design.
3. New sedimentation basin will halve costs of sand cleaning at Philadelphia filters.

Vol. 71. No. 20. May 15, 1915.

1. Bituminous penetration roads in Massachusetts equal those built by the mixing method.
2. Special conditions govern selection of lift bridge and method of erection.
3. Every type of subway construction but air tunnel used on Harlem River section.

Vol. 71. No. 21. May 22, 1915.

1. Method introduced in New York last winter cut cost and increased speed of snow removal.
2. Arched reinforced-concrete conduits designed by the theory of least work.

Vol. 71. No. 22. May 29, 1915.

1. Hollow reinforced-concrete structure replaces dam at Austin, Texas, which failed fifteen years ago.—Part I.
2. Imhoff tanks and sprinklers for sewage of Brighton District, Rochester, New York.

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3. Experiences gained from reinforced-concrete barges built for the Panama Canal.

Vol. 71. No. 23. June 5, 1915.

1. New field for railway electrification has been developed by the Norfolk & Western.
2. Reinforced-concrete structure at Austin, Texas, replaces dam which failed fifteen years ago.—Part II.
3. Reinforced-concrete sewer pipe tested for stiffness and impermeability.
4. Dragline cableway is an effective tool for sand and gravel plants.

JOURNAL OF THE WESTERN SOCIETY OF ENGINEERS

Vol. XX. No. 4. April, 1915.

1. Operating results of the electrification of steam railways.
2. Wind stresses in the steel frames of office buildings.

Vol. XX. No. 5. May, 1915.

1. Apportionment of cost of highway bridges between street railways and cities.
2. The design and erection of the Pennsylvania Lift Bridge No. 458 over the South Branch of the Chicago River.

LE GÉNIE CIVIL

Tome LXVI. No. 15. Avril 10, 1915.

1. Grue derrick à vapeur de 62 tonnes du port de Valparaiso (Chili).
2. Perforatrices pneumatiques de construction américaine.

Tome LXVI. No. 16. Avril 17, 1915.

1. Les phénomènes d'éclatement et de fragilité.

Tome LXVI. No. 17. Avril 24, 1915.

1. Perforatrices pneumatiques de construction américaine.

Tome LXVI. No. 18. Mai 1, 1915.

1. Manutention mécanique du charbon et des cendres de l'usine électrique.

de Hackney, près de Londres.

Tome LXVI. No. 19. Mai 8, 1915.

1. Le canal de Panama. Achèvement des travaux et résultats des premiers mois d'exploitation.
2. Bouclier demi-cylindrique pour le percement des tunnels dans les terrains bouillants.

Tome LXVI. No. 20. Mai 15, 1915.

1. Machine à forer les tunnels, système Karns.

MUNICIPAL JOURNAL

Vol. XXXVIII. No. 16. April 22, 1915.

1. Baltimore water filtration plant.
2. Detecting underground leaks.
3. Water works statistics for the year 1914.
4. Pittsburg's north side reservoir.

Vol. XXXVIII. No. 18. May 6, 1915.

1. Philadelphia highway work.
2. Experiments with wood paving blocks.

Vol. XXXVIII. No. 19. May 13, 1915.

1. Street cleaning in Calgary.
2. Surface oiling of city streets.
3. Records of Washington's street cleaning.

Vol. XXXVIII. No. 20. May 20, 1915.

1. Sewage disposal in Chilliwack.
2. Storm water inlets.
3. Direct connected inlet vs. catch basin.

Vol. XXXVIII. No. 21. May 27, 1915.

1. Akron's water purification plant.
2. Catskill aqueduct tunneling.

Vol. XXXVIII. No. 22. June 3, 1915.

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1. Sidewalk work in Cincinnati.
2. Constructing concrete curbs.
3. Expansion in concrete sidewalks.
4. Philadelphia's test road.
5. Absorption test for wood blocks.
6. Sand cushion vs. mortar bed for wood block pavements.

Vol. XXXVIII. No. 23. June 10, 1915.

1. Garbage and refuse disposal in Los Angeles.
2. Snow removal in New York.
3. A colloidal bituminous pavement.

PROCEEDINGS OF THE AMERICAN SOCIETY OF
CIVIL ENGINEERS

Vol. XLI. No. 5. May, 1915.

1. Twelfth Street Traffeway Viaduct, Kansas City, Missouri.
2. The Picaza Bridge.
3. Pearl Harbor dry dock.
4. The Burden Water-Wheel.

PROFESSIONAL MEMOIRS

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

Vol. VII. No. 33. May-June, 1915.

1. A recent trip to Italy, Egypt, Southern France and Spain. (Interesting facts and personal experiences.)
2. Locks and dam No. 17, Black Warrior River, Alabama.
3. The flow of sediment in the Mississippi River and its influence on the slope and discharge. (With especial reference to the effect of spillways in the vicinity of New Orleans, La.)
4. Gatun River bascule bridge, Panama Railroad.

5. The rise of the bed of the Yellow River by the deposit of sediment.

RAILWAY GAZETTE

Vol. XXII. No. 16. April 16, 1915.

1. The largest coal shipping dock on the Atlantic Coast.
2. "On impact coefficients for railway girders."

Vol. XXII. No. 17. April 23, 1915.

1. The Hardinge Bridge, Lower Ganges.

Vol. XXII. No. 18. April 30, 1915.

1. An example of manganese steel rail service.

Vol. XXII. No. 19. May 7, 1915.

1. The new Michigan Central Yard at Detroit.

Vol. XXII. No. 20. May 14, 1915.

1. Sound steel ingots and rails.

Vol. XXII. No. 21. May 21, 1915.

1. St. David's Station, Exeter, reconstruction.
2. The Long Island Railroad.

Vol. XXII. No. 22. May 28, 1915.

1. Concrete tanks on the Baltimore & Ohio.

RAILWAY REVIEW

Vol. 56. No. 17. April 24, 1915.

1. New bridge across the Mississippi River at Memphis.
2. Waterproofing solid steel-floor bridges.

Vol. 56. No. 18. May 1, 1915.

1. The value of a freight locomotive from transportation standpoint.

Vol. 56. No. 19. May 8, 1915.

1. Concrete signal towers, Delaware Lackawanna & Western R. R.
2. Slice method of subway construction, Boylston Street Subway, Boston, Mass.

3. Convention of the Air Brake Association.
4. Illinois Commission prescribes minimum clearances.

Vol. 56. No. 20. May 15, 1915.

- 1.] [Track layout and signals of the Jersey City passenger terminal [of the Central R. R. of New Jersey.

2. Cost of stopping and starting trains.

Vol. 56. No. 21. May 22, 1915.

1. Fuel stations.

2. Air cooling plant, New York Central R. R., Mott Haven Yard, New York.

Vol. 56. No. 22. May 29, 1915.

1. Concrete trestles on Tennessee Division second track, Illinois Central R. R.

2. Construction of tower foundations, electric transmission line along the Panama Railroad.

Vol. 56. No. 23. June 5, 1915.

1. Electrification of the Elkhorn Grade, Norfolk & Western Ry.

SCIENTIFIC AMERICAN

Vol. CXII. No. 17. April 24, 1915.

1. Saving eight million tons of coal a year. (A hydro-electric development that uses a head of 4,000 feet.)

Vol. CXII. No. 23. June 5, 1915.

1. Transportation on land and sea. (The growth of the railway and the steamship.)
2. Seventy years of civil engineering. (Retrospective review of the more important works completed during the life of the Scientific American.)

SCIENTIFIC AMERICAN SUPPLEMENT

Vol. LXXIX. No. 2052. May 1, 1915.

1. An electric-steam wrecking crane.
- Vol. LXXIX. No. 2053. May 8, 1915.
1. The sterilization of water-supplies for troops on active service.
- Vol. LXXIX. No. 2055. May 22, 1915.
1. The measurement of distances in war. (Ingenious modern methods and instruments now used.)
- Vol. LXXIX. No. 2056. May 29, 1915.
1. The Furka Railway. (A new Alpine railway from the Rhône to the Rhine.)
 2. Tide analysis—A simple and inexpensive apparatus.
- Vol. LXXIX. No. 2057. June 5, 1915.
1. The prismatic compass. (How it works and some of its advantages.)
 2. Freight carrying on the Great Lakes. (Where immense quantities of grain, ore and coal are moved in bulk.)

THE ENGINEER.

- Vol. CXIX. No. 3093. April 9, 1915.
1. Railways in China. No. XII.
 2. Aerial ropeways. No. IV.
 3. Water filtration experiments at Toronto.
 4. A large steam shovel.
 5. British Portland cement-making machinery. No. VII.
- Vol. CXIX. No. 3094. April 16, 1915.
1. Aerial ropeways. No. V.
 2. The Bombay hydro-electric scheme.
 3. British Portland cement-making machinery. No. VIII.
- Vol. CXIX. No. 3095. April 23, 1915.
1. British Portland cement-making machinery. No. IX.
 2. Automatic sluices and flood gates.
- Vol. CXIX. No. 3096. April 30, 1915.

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1. British Portland cement-making machinery. No. X.
2. The wear and corrugation of rails.

Vol. CXIX. No. 3097. May 7, 1915.

1. British Portland cement-making machinery. No. XI.

Vol. CXIX. No. 3098. May 14, 1915.

1. Proposed centering for large-span stone bridges. No. XII.
2. British Portland cement-making machinery. No. XII.

Vol. CXIX. No. 3099. May 21, 1915.

1. The Southern Shan States Railway.

THE ENGINEERING MAGAZINE

Vol. XLIX. No. 2. May, 1915.

1. The corrosion of iron.
2. Screw spikes on the Lackawanna.
3. Tunnel roof shield.
4. Constant-angle arch dam of concrete.

Vol. XLIX. No. 3. June, 1915.

1. Hydro-electric power in New Zealand.

THE INDIAN & EASTERN ENGINEER

Vol. XXXVI. No. 5. May, 1915.

1. Irrigation in Burma.
2. The electric towing system at Panama.

THE RAILWAY ENGINEER

Vol. XXXVI. No. 424. May, 1915.

1. Tunnels for railways. I.
2. The distant signal and 3-position signalling.
3. Impact coefficients for railway girders.
4. Reinforced concrete. (The bond between concrete and steel.)

5. Automatic signalling on trains.

THE RAILWAY MAGAZINE

Vol. XXXVI. No. 215. May, 1915.

1. Auto-trains. No. I.
2. The relaying of railway permanent way.

Vol. XXXVI. No. 216. June, 1915.

1. The railways of South Staffordshire. No. I.
2. Auto-trains. No. II.
3. The Midland Railway in Derbyshire.
4. The Lancashire and Yorkshire Railway Company's Wyre Docks, Fleetwood.

WATER AND WATER ENGINEERING

Vol. XVII. No. 196. April 15, 1915.

1. The influence of the channel of approach upon the coefficient of discharge of water over a rectangular notch.
2. Uses of the hydraulic cartridge.
3. The Tata Hydro-Electric Power supply project.

Vol. XVII. No. 197. May 15, 1915.

1. Some applications of concrete in water engineering.