

## 內外諸雜誌主要題目

### 工 學

第三卷 第六號(二十六號) 大正五年六月十日。

1. 木塊道ノ成績 四頁。
2. 軌條ノ用途撰擇及検査ニ就テ。(六) 八頁。
3. 請負ノ研究。(二五) 三頁。

### 工 學 會 誌

第三百九十四卷 大正五年四月二十一日。

1. 東京附近鐵道線路ニ於ケル電車運轉。

第三百九十五卷 大正五年五月二十九日。

1. 製鐵所ノ事業ニ就テ 二十七頁。
2. 基礎工業確立ノ必要 十九頁半。
3. 東京附近鐵道線路ニ於ケル電車運轉。(承前) 十二頁,附圖四枚。
4. 軌條ノ用途撰擇及ヒ検査ニ就テ。(續篇) 三十七頁。
5. べいんと簡易試驗報告 十一頁半,附圖三枚。

第三百九十六卷 大正五年六月二十八日。

1. 鐵礦ト石炭ニ就テ 三十二頁。
2. 東京附近鐵道線路ニ於ケル電車運轉。(承前) 四十二頁半,附圖九枚。

### 工 業 雜 誌

第四十四卷 第五百八十號 大正五年五月二十五日。

1. 家屋耐震構造要梗 八頁餘。
2. 水道用鋼製水塔建設工事仕様書概要 五頁半。

第四十四卷 第五百八十一號 大正五年六月十日。

1. 工業用トシテノ地下水 四頁。
2. 一千哩ニ達セル北海道ノ鐵道 三頁。

第四十四卷 第五百八十二號 大正五年六月二十五日。

1. 混凝土調合量ノ不平等ニ就テ 五頁半。

### 帝 國 鐵 道 協 會 々 報

第十七卷 第二號 大正五年四月二十五日。

1. 最近米國ニ於ケル鐵道及市内運輸ノ狀況並其進歩 十五頁。
2. 酸素あせちれん瓦斯銲接ニ於ケル瓦斯消費量ノ試驗 四十頁,附圖一枚。

3. 津和野線木戸山隧道崩壞顛末. 十四頁半, 附圖一枚.  
第十七卷. 第三號. 大正五年六月二十五日.
1. 東京附近鐵道線路ニ於ケル電車運轉ニ關スル設備. 五十五頁, 附圖十七枚.
  2. 列車走行抵抗及線路ノ換算延長. 十六頁.

ANNALES DES PONTS ET CHAUSSÉES  
PARTIE TECHNIQUE

Tome XXIX. Vol. V. Sept.—Oct., 1915.

1. La Loire et le port de Nantes. 104 p.

CASSIER'S ENGINEERING MONTHLY

Vol. 49. No. 5. May, 1916.

1. Water softening plants. 17 p.
2. Damp proof concrete. 2 p.

CEMENT WORLD

Vol. IX. No. 12. March 15, 1916.

1. Committee reports at concrete road conference. 7 p.
2. Forms for concrete work. 5 p.

Vol. X. No. 1. April 15, 1916.

1. Reinforced concrete in sewer construction. 5½ p.
2. Forms for concrete work. 3½ p.
3. The error of the rodded column. 5 p.
4. Aggregates for concrete roads. 7 p.

Vol. X. No. 2. May 15, 1916.

1. The most modern method of tunnel lining. 3 p.
2. Costs of elevating and placing concrete. 6 p.
3. Organization of concreting crew for paving. 2¾ p.
4. Aggregates for concrete roads. 2¼ p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XI. No. 4. April, 1916.

1. Concrete works on the Copenhagen underground railway. 8 p.
2. Resistance of concrete sea wall to heavy storm. 7 p.
3. Some examples of dangerous structures. 7 p.

Vol. XI. No. 5. May, 1916.

1. Researches on reinforced concrete beams. 12 p.
2. Reinforced concrete in sewers. 5 p.

ELECTRIC RAILWAY JOURNAL

Vol. XLVII. No. 17. Apr. 22, 1916.

1. Factors affecting duration of stop. 2½ p.

Vol. XLVII. No. 19. May 6, 1916.

1. Detroit River Tunnel operation. 3¼ p.

Vol. XLVII. No. 20. May 13, 1916.

1. Signaling in the public service terminal. 4 p.
2. Iowa Association Meets (Rail joint). 4½ p.

## ENGINEERING

新  
刊  
紹  
介  
內  
外  
諸  
雜  
誌  
主  
要  
題  
目

- Vol. CI. No. 2623. Apr. 7, 1916.  
1. The new Rhone-Marseilles Canal. 4 p.
- Vol. CI. no. 2625. Apr. 21, 1916.  
1. Theory and practice in the filtration of water. 3 p.
- Vol. CI. No. 2626. Apr. 28, 1916.  
1. Theory and practice in the filtration of water. 3 p.
- Vol. CI. No. 2627. May 5, 1916.  
1. Theory and practice in the filtration of water. 1½ p.  
2. Shipyard cranes of the Rotterdam Dockyard Company. 4 p.
- Vol. CI. No. 2628. May 12, 1916.  
1. The corrosion of iron and steel. 2½ p.  
2. The theory of the corrosion of steel. 2½ p.  
3. Theory and practice in the filtration of water. 2 p.
- Vol. CI. No. 2629. May 19, 1916.  
1. A practical application of optical stress analysis. 2½ p.
- Vol. CI. No. 2630. May 26, 1916.  
1. Electrification of Shildon-Newport Branch; North-Eastern Railway. 6 p.
- Vol. CI. No. 2631. June 2, 1916.  
1. Electrification of Shildon-Newport Branch; North-Eastern Railway. 6 p.

## ENGINEERING NEWS

- Vol. 75. No. 16. Apr. 20, 1916.  
1. New tie-treating plant on the Northwestern Railway. 4½ p.  
2. Handling retail coal in a concrete cylinder plant. 2 p.  
3. Kingfisher filter gallery and pump house. 5 p.
- Vol. 75. No. 17. Apr. 27, 1916.  
1. Reversible Falls steel-arch bridge of 565 ft. span. 3 p.  
2. Water supply of Panama Canal under operating conditions. 3 p.  
3. Eight plate-girder spans over Gila River washed out. 2 p.  
4. Status of activated-sludge sewage treatment. 3½ p.
- Vol. 75. No. 18. May 4, 1916.  
1. Experience and costs in making concrete-bridge units. 2½ p.  
2. Ballasting track by contract. 3 p.  
3. Excavation for the Baldwin Reservoir, Cleveland. 2 p.  
4. Rapid-transit work in 1915, New York City. 8 p.
- Vol. 75. No. 19. May 11, 1916.  
1. Building a big dam in the wilds. 4½ p.  
2. Lessons in road maintenance from New York State. 3½ p.  
3. Memphis flood protection. 5 p.
- Vol. 75. No. 20. May 18, 1916.  
1. Rapid tunneling in Brazil. 5½ p.  
2. Building concrete lighthouse on Brandywine Shoal. 3½ p.  
3. Pressure of wet concrete on the sides of column forms. 3½ p.
- Vol. 75. No. 21. May 25, 1916.  
1. New water tunnel at Chicago. 5 p.  
2. Failure of diversion dam on Salt River project. 2 p.

3. Development of inland ocean port at Houston Tex. 3 p.
  4. Machines for building levees. 4 p.
- Vol. 75. No. 22. June 1, 1916.
1. Lining Hill View Reservoir with concrete and riprap.  $5\frac{1}{2}$  p.
  2. Erection of old Trails Bridge over Colorado River.  $3\frac{1}{2}$  p.

## ENGINEERING RECORD

新  
刊  
紹  
介  
  
內  
外  
諸  
種  
誌  
主  
要  
題  
目

- Vol. 73. No. 17. Apr. 22, 1916.
1. Rational method of selecting types evolved for a comprehensive country road system. 3 p.
  2. Small irrigation canals lined with concrete to prevent seepage water loss. 2 p.
  3. Grouting an effective remedy for stopping leakage during shaft sinking. 2 p.
- Vol. 73. No. 18. Apr. 29, 1916.
1. Tunnel muck turned into concrete lining immediately behind heading.  $2\frac{1}{2}$  p.
  2. National defense—For engineer and contractor.  $3\frac{1}{2}$  p.
  3. Wet ground tunneling facilitated by grouting in advance of heading. 2 p.
- Vol. 73. No. 19. May 6, 1916.
1. The Government Railroad in Alaska—What two years and limited funds have accomplished.  $2\frac{1}{2}$  p.
  2. West side improvement plans of New York Central Railroad in New York filed. 3 p.
  3. Huge circular reservoir in Dubuque protects congested-value business district. 3 p.
- Vol. 73. No. 20. May 13, 1916.
1. Well-balanced mixing plants pour dense concrete from high towers on long highway bridge. 3 p.
  2. Truss deflections accurately determined by angle changes and elastic weights.—Part I.  $2\frac{2}{3}$  p.
  3. Test of mushroom flat slab in Seattle warehouse shows high local stresses. 3 p.
- Vol. 73. No. 21. May 20, 1916.
1. Sewage screening and sludge-burning plant prevents seashore nuisances. 2 p.
  2. Steel cantilever ribs balanced over main piers to form arched concrete spans. 2 p.
  3. Truss deflection accurately determined by angle changes and elastic weights. Part II.  $2\frac{1}{2}$  p.
- Vol. 73. No. 22. May 27, 1916.
1. Stop slides by releasing accumulated water at Bulls Bridge Hydroelectric Plant.  $2\frac{2}{3}$  p.
- Vol. 73. No. 23. June 3, 1916.
1. Colloidal theories, applied to colored water, reduce cost of chemicals. 2 p.
- Vol. 73. No. 24. June 10, 1916.
1. Pressed steel floor forms left in place on two-mile bridge eliminate carpenters. 2 p.
  2. Levee system in expected to protect Memphis against future floods.

2½ p.

JOURNAL OF THE AMERICAN WATER  
WORKS ASSOCIATION

新  
刊  
紹  
介  
內  
外  
諸  
雜  
誌  
主  
要  
題  
目

Vol. 3. No. 1. March, 1916.

1. Variations in precipitation as affecting water works engineering. 103 p.
2. Iron removal by rapid sand filtration. 19 p.
3. Water softening practice. 21 p.
4. Earthing electrical systems to water pipes. 24 p.

## LE GÉNIE CIVIL

Tome LXVIII. No. 13. 25 Mar., 1916.

1. Viaduc et pont tournant sur l'étang de Caronte. Traversée du canal de Marseille au Rhône par la ligne de Miramas à l'Estaque-Marseille. 10 p.

Tome LXVIII. No. 14. 1 Avril, 1916.

1. Le réservoir à pétrole de Bakersfield (Californie, E.-U.) 2 p.

Tome LXVIII. No. 15. 8 Avril, 1916.

1. Le canal de l'Erié à l'Hudson ou "Barge Canal" de l'Etat de New York. 4½ p.

Tome LXVIII. No. 16. 15 Avril, 1916.

1. Le Canal de l'Erié à l'Hudson ou "Barge Canal" de l'Etat de New York. (suite et fin). 4 p.

Tome LXVIII. No. 17. 22 Avril, 1916.

1. La manutention mécanique des combustibles dans les dépôts de la Compagnie d'Orleans. 6 p.

Tome LXVIII. No. 18. 29 Avril, 1916.

1. L'excavation du tunnel du Mont Royal, à Montréal. 2 p.

Tome LXVIII. No. 21. 20 Mai, 1916.

1. Le Canal de Marseille au Rhône. Description générale-Souterrain de Rove. 11 p.

Tome LXVIII. No. 22. 27 Mai, 1916.

1. Nouveau système de pont suspendu. 1 p.

## MUNICIPAL JOURNAL

Vol. XL. No. 16. Apr. 20, 1916.

1. Calgary's center street bridge. 2 p.
2. Practical street construction—Street widths. 3½ p.
3. Joint sewage disposal in California. 2½ p.

Vol. XL. No. 18. May 4, 1916.

1. Paving along street railroad tracks. 2½ p.
2. Practical street construction. 3½ p.

Vol. XL. No. 19. May 11, 1916.

1. Milwaukee's new municipal street lighting system. 4 p.
2. Segmental sewer in Oakdale. 2 p.

Vol. XL. No. 20. May 18, 1916.

1. Concrete road building in Norwalk. 2½ p.
2. Street cross-section. 3 p.

- Vol. XL. No. 21. May 25, 1916.
1. System of traffic control. 4 p.
  2. Practical street construction—Street cross-section.  $3\frac{1}{2}$  p.
- Vol. XL. No. 22. June 1, 1916.
1. Construction of Wilson Avenue intake tunnel.  $3\frac{1}{2}$  p.
  2. Water works statistics.  $12\frac{1}{2}$  p.

### PROFESSIONAL MEMOIRS

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

- Vol. VIII. No. 39. May—June, 1916.
1. The Intracoastal canal in Louisiana and method of dredging. 34 p.
  2. Levee building machines. 11 p.
  3. Water supply and sewage disposal of a semi-permanent camp of a division. 30 p.
  4. Notes on the construction of locks B, C, and D, Cumberland River. 18 p.
  5. Use of plank or lumber apron mat for shore protection on the Upper Mississippi River between the Wisconsin River and Le Claire, Iowa. 9 p.
  6. Placing rock in Mississippi River shore protection. 7 p.

### RAILWAY GAZETTE

- Vol. XXIV. No. 14. Apr. 7, 1916.
1. Railway development in Japan.  $2\frac{1}{2}$  p.
- Vol. XXIV. No. 15. Apr. 14, 1916.
1. Location of passing sidings on single track.  $2\frac{1}{2}$  p.
- Vol. XXIV. No. 16. Apr. 21, 1916.
1. The Lothians Railways. 5 p.
- Vol. XXIV. No. 17. Apr. 28, 1916.
1. The 2 ft. gauge Gwalior Light Railways, Central India. 7 p.
- Vol. XXIV. No. 18. May 5, 1916.
1. Concrete work on the Arizona Division of the Santa Fé. 3 p.
  2. The ventilation of tunnels.  $\frac{1}{2}$  p.
- Vol. XXIV. No. 19. May 12, 1916.
1. Lateral stresses on rails in curves. 4 p.
- Vol. XXIV. No. 20. May 19, 1916.
1. Three-position signals, Victorian Government Railways.  $3\frac{1}{2}$  p.
- Vol. XXIV. No. 21. May 26, 1916.
1. The first electrified mineral line in England. 6 p.

### RAILWAY REVIEW

- Vol. 58. No. 17. April 22, 1916.
1. Experiments in magnetic determination of inhomogeneities in steel rails. 3 p.
- Vol. 58. No. 19. May 6, 1916.
1. Reduction of dynamic augment. (Practical results of refined design and the use of improved materials.)  $2\frac{1}{2}$  p.

2. Scrap and reclamation on the Pennsylvania Lines east. 6 p.  
3. Effect of proper seasoning on the life of ties. 1 p.
- Vol. 58. No. 20. May 13, 1916.  
1. The manufacture and use of alloy steel. (Continued from page 375.)  
3 p.
- Vol. 58. No. 21. May 20, 1916.  
1. Construction of the Rogers Pass Tunnel, Canadian Pacific Ry. 3½ p.  
2. Highway crossings and track in paved streets. 4 p.  
3. The cymon continuous crossing. 1 p.  
4. Convention of the Railway Storekeepers' Association. 5 p.  
5. Convention of the International Railway Fuel Association. 11 p.
- Vol. 58. No. 22. May 27, 1916.  
1. Coal transfer and preparation plant of the East Broad Top R. R. & Coal Co. 2 p.
- Vol. 58. No. 24. June 10, 1916.  
1. Locomotive repair shops and classification yard, Lehigh & New England R. R., Pen Argyl, Pa. 2 p.  
2. The manufacture and use of high speed steel. 4 p.

## SCIENTIFIC AMERICAN

- Vol. CXIV. No. 18. Apr. 29, 1916.  
1. Unique equipment for the unwatering of New York City's great aqueduct. 1 p.
- Vol. CXIV. No. 19. May 6, 1916.  
1. Proposed improvement of New York's Hudson River front. (Eliminating railroad operation at street grades.) 1 p.  
2. The new Quebec Bridge. (Progress of erection of the world's longest cantilever span.) 2 p.
- Vol. CXIV. No. 21. May 20, 1916.  
1. The difficulties of railroad maintenance in Alaska. 1 p.

## SCIENTIFIC AMERICAN SUPPLEMENT

- Vol. LXXXI. No. 2103. Apr. 22, 1916.  
1. A notable engineering work. (How a big railroad problem was solved.)  
½ p.
- Vol. LXXXI. No. 2105. May 6, 1916.  
1. The Bagdad Railway and the European War. (Progress made up to the outbreak of the war and present lack of materials.) 1½ p.  
2. Physical and mechanical factors in corrosion. (How the mechanical heterogeneity of metals affects the process.) 1½ p.  
3. Effects of electrolysis on underground piping systems. (Various dangers and methods of overcoming them.) 1½ p.
- Vol. LXXXI. No. 2110. June 10, 1916.  
1. Good roads and the automobile. (Various methods of construction and the material employed.) 1 p.

## THE ENGINEER

- Vol. CXXI. No. 3145. Apr. 7, 1916.  
1. The water supply of Melbourne. No. I. 3 p.

- Vol. CXXI. No. 3147. Apr. 21, 1916.
1. Rustless ferro-alloys. No. I.  $1\frac{1}{2}$  p.
  2. Electrification on the Norfolk and Western Railway.  $2\frac{1}{2}$  p.
  3. The Furka Pass Railway. 1 p.
  4. Theory and practice in the filtration of water.  $2\frac{1}{2}$  p.
- Vol. CXXI. No. 3148. Apr. 28, 1916.
1. Rustless ferro-alloys, No. II.  $1\frac{1}{8}$  p.
- Vol. CXXI. No. 3149. May 5, 1916.
1. Deep bore wells for public water supply purposes.  $1\frac{3}{8}$  p.
  2. The water supply of Melbourne. No. II.  $2\frac{2}{8}$  p.
- Vol. CXXI. No. 3151, May 19, 1916.
1. The brasher air breakwater.  $1\frac{1}{8}$  p.
  2. Steel reinforced concrete pipes.  $1\frac{1}{2}$  p.
- Vol. CXXI. No. 3152. May 26, 1916.
1. The Shildon-Newport electrification scheme.  $4\frac{1}{2}$  p.
  2. Division of the River Don at Hadfield's works.  $3\frac{1}{2}$  p.

### THE ENGINEERING MAGAZINE

- Vol. LI. No. 2. May, 1916.
1. How to select industrial steels. 9 p.
  2. Power for urban transportation. 12 p.

### THE INDIAN & EASTERN ENGINEER

- Vol. XXXVIII. No. 5. May, 1916.
1. The Rangoon River training works. 3 p.

### THE RAILWAY ENGINEER

- Vol. XXXVII. No. 436. May, 1916.
1. Reinforced concrete buildings. 4 p.

### THE RAILWAY MAGAZINE

- Vol. XXXVIII. No. 227. May, 1916.
1. Railways in the Far East. 6 p.
  2. The York and North Midland Railway. 8 p.

### WATER AND WATER ENGINEERING

- Vol. XVIII. No. 208. Apr. 15, 1916.
1. Ultra-violet ray sterilisation of water.  $6\frac{1}{2}$  p.
  2. The electrolytic method of preventing corrosion.  $4\frac{1}{2}$  p.
  3. Rangoon River training works. 3 p.
- Vol. XVIII. No. 209. May 15, 1916.
1. Theory and practice in the filtration of water.  $6\frac{1}{2}$  p.
  2. Methods of mitigating electrolysis of underground pipes. 1 p.