

内外諸雜誌主要題目

工 學

第三卷 第十二號(第三十二號) 大正五年十二月十日.

1. 拱橋ノ突桁式解法. 十頁.
2. 隧道ノ掘鑿ニ就テ. 八頁.
3. 請負ノ研究(二十九). 三頁.

第四卷 第一號(第三十三號) 大正六年一月十日.

1. 水平半圓形桁ニ就テ. 八頁半.
2. 拱ノ感應線ト圖式的的研究. 四頁.
3. 上陸設備ニ函船 (Pontoon) 使用ト其傾斜吃水計算ニ就テ. 六頁.

工 學 會 誌

第四百卷 大正五年十一月十五日.

1. 北上川改修工事概要. 八頁.

工 業 雜 誌

第四十五卷 第五百九十二號 大正五年十一月二十五日.

1. 木塊鋪面ノ利用法並ニ其施工方法. 十二頁.

第四十五卷 第五百九十四號 大正五年十二月二十五日.

1. 鐵合金ニ就テ. 十頁.

帝 國 鐵 道 協 會 會 報

第十七卷 第八號 大正五年十一月二十五日.

1. 支那漫遊所感. 十八頁.
2. 東京附近鐵道線路ニ於ケル電車運轉ニ關スル設備. (承前). 二十三頁.

第十七卷 第九號 大正五年十二月二十五日.

1. 東京附近鐵道線路ニ於ケル電車運轉ニ關スル設備. (完). 十八頁.
2. 臺灣鐵道. 十六頁.
3. 釜上鐵道建設工事. 三頁.

ANNALES DES PONTS ET CHAUSSEES

PARTIE TECHNIQUE

Tome XXXI. Vol. I. Janvier-Février, 1916.

1. Etude sur les Ponts mobiles. 72 p.
2. Notes sur la reconstruction rapide des Ponts en maçonnerie. 16 p.

Tome XXXII. Vol. II. Mars-Avril, 1916.

1. L'épuration des eaux d'égout. Débit et nature des eaux usées. Pollution et auto-épuration des rivières. Circonstances et mesures suivant lesquelles l'épuration artificielle des eaux, d'égout est nécessaire. 66 p.
2. Note sur la restauration du pont de Trilport. 13 p.
3. Notice sur les galeries drainantes exécutées aux abords de la station de Meailles, sur la section de St-André à Annot de la ligne de Digne à Nice. 19 p.

BULLETIN OF THE AMERICAN RAILWAY ENGINEERING ASSOCIATION

Vol. 18. No. 190. October, 1916.

1. List of references on valuation of steam railways. 139 p.

CASSIER'S ENGINEERING MONTHLY

Vol. 50. No. 4. October, 1916.

1. Metals in structural engineering. Their wastage by corrosion. 7 p.
2. The mechanical handling of material. Part VIII. 18 p.
3. Railways of Central America. 12 p.

CEMENT WORLD

Vol. X. No. 7. Oct. 15, 1916.

1. Earth dam with reinforced concrete spillway to prevent erosion. 3 p.
2. New concrete wharf Los Angeles Harbor. 3 p.
3. Construction of Lake Washington Canal Locks. 4 p.
4. Largest fresh-water concrete dry dock. 4 p.

Vol. X. No. 8. Nov. 15, 1916.

1. Winter no obstacle to rapid factory construction. 5 p.
2. Table of flat-slab thicknesses and design data. 2 p.
3. Sand molded concrete stone. 8 p.
4. Longest concrete trestle in the world. 2½ p.
5. The Columbia Highway-concrete's most scenic achievement. 8 p.

Vol. X. No. 9. Dec. 15, 1916.

1. New subways under New York. 11 p.
2. Concrete road giving satisfaction in Winnebago country. 3 p.
3. Recommended specifications for reinforced concrete design. 4 p.
4. Systematic country bridge construction. 2½ p.
5. Effects of vibration in structures. 7 p.

CONCRETE AND CONSTRUCTIONAL ENGINEERING

Vol. XI. No. 10. October, 1916.

1. With new formulæ for resistance to shear. (Part IV). 8 p.
2. Proportioning concrete by mechanical analysis. 10 p.

Vol. XI. No. 11. November, 1916.

1. With new formulæ for resistance to shear. (Part IV concluded). 14 p.
2. Concrete roads in America. (conclusion). 6 p.

3. Strength and other properties of concrete as affected by materials and methods of preparation. 7 p.
- Vol. XI. No. 12. December, 1916.
1. Concrete roads. 6 p.
 2. The calculation of reinforced concrete structures.—Rapid methods applicable to beams. 9 p.

ELECTRIC RAILWAY JOURNAL

- Vol. 48. No. 18. Oct. 28, 1916.
1. Selling energy along interurban railway lines. 6 p.
- Vol. 48. No. 20. Nov. 11, 1916.
1. Rail corrugation studied in Chicago. 4½ p.
- Vol. 48. No. 21. Nov. 18, 1916.
1. Electric railway handling steam road business. 2 p.
- Vol. XLVIII. No. 22. Nov. 25, 1916.
1. Safeguarding traffic at drawbridges. 4 p.
 2. Railway commissioners meet in Capital. 5 p.
- Vol. XLVIII. No. 24. Dec. 9, 1916.
1. Expenditure recommendation for Chicago traction. 4 p.
- Vol. XLVIII. No. 25. Dec. 16, 1916.
1. Fundamentals of traffic routing. 4½ p.

ENGINEERING

- Vol. CII. No. 2650. Oct. 13, 1916.
1. The Harnessing of the Winnipeg River. 2 p.
 2. High-powered locomotives for the Pennsylvania Railroad. 3 p.
 3. Swing bridge of the Caronte Viaduct, South of France. 4 p.
 4. Accident to the new Quebec Bridge. 2½ p.
- Vol. CII. No. 2651. Oct. 20, 1916.
1. The Harnessing of the Winnipeg River. 2 p.
- Vol. CII. No. 2653. Nov. 3, 1916.
1. Accident to the new Quebec Bridge. 4½ p.
- Vol. CII. No. 2654. Nov. 10, 1916.
1. High-powered locomotives for the Pennsylvania Railroad. 3 p.
- Vol. CII. No. 2656. Nov. 24, 1916.
1. The torsion of solid and hollow prisms and cylinders. 2 p.
 2. The classification of railway failures. 1 p.
 3. Keadby Bridge. ½ p.
- Vol. CII. No. 2657. Dec. 1, 1916.
1. The torsion of solid and hollow prisms and cylinders. 1 p.
- Vol. CII. No. 2658. Dec. 8, 1916.
1. The Caronte Viaduct. 2½ p.

ENGINEERING NEWS

- Vol. 76. No. 16. Oct. 19, 1916.
1. Tearing down an old concrete ice factory. 3 p.
 2. Cleveland water-supply to be purified and softened. 3½ p.
 3. Building six hundred miles of drainage ditches. 4 p.

- Vol. 76. No. 17. Oct. 26, 1916.
1. Draining North Holland after January's great flood. 5 p.
 2. Connecting narrows siphon to Staten Island main. 4 p.
- Vol. 76. No. 18. Nov. 2, 1916.
1. Developing more water power on Genesee at Rochester. 4½ p.
 2. Experiments with submerged orifices and tubes. 2 p.
 3. Drawbridge-type locomotive turntable 100 ft. long. 2½ p.
 4. Water-works improvements at Sioux Falls. 2½ p.
- Vol. 76. No. 19. Nov. 9, 1916.
1. Jacking up a viaduct, buckling columns give trouble. 4½ p.
 2. Alignment and drainage of rural highways. 2½ p.
 3. New formula for the crown thickness of arches. 2½ p.
 4. Six-post water-tower tank. 2½ p.
 5. Activated-sludge novelties at Hermosa Beach, Calif. 2 p.
 6. The battle over the Miami flood-prevention plans. 5 p.
- Vol. 76. No. 20. Nov. 16, 1916.
1. Famous Yarkin development nearing completion. 5 p.
 2. A 30-mile railway tunnel under the Cascade mountains. 8 p.
 3. Pneumatic mixer lines railway tunnel under traffic. 2½ p.
- Vol. 76. No. 21. Nov. 23, 1916.
1. Loweling a tunnel under the Chicago River. 5 p.
 2. Sensitive water level recorder. 1 p.
 3. Monolithic brick paving for wide streets. 2½ p.
 4. Underpinning with hollow pipes driven with point. 3½ p.
 5. General goethals on the Panama Canal slide critics 3½ p.
 6. Slab-deck concrete railway bridge over highway. 2 p.
- Vol. 76. No. 22. Nov. 30, 1916.
1. Tunnel for Marseilles Canal largest in World. 2 p.
 2. Maintenance of Macadam road with bituminous binders. 4 p.
 3. New type of matters used for river-bank protection. 2 p.
 4. First tile sewers in St. Louis compared to brick. 2½ p.
 5. Imhoff tanks and sprinkling filters, Cleburne, Tex. 3 p.
 6. Unusual slide of canal lining and its repair. 3½ p.
- Vol. 76. No. 23. Dec. 7, 1916.
1. Activated-sludge results at Cleveland reviewed.—I. 5½ p.
 2. Concrete-revetment machine for the Mississippi. 4½ p.
 3. Heavy grading on 50-mile Southern relocation. 5 p.
 4. Serious settlement destroys part of new filter plant. 3½ p.
- Vol. 76. No. 24. Dec. 14, 1916.
1. Ten-span concrete-arch bridge near Columbus, Ohio. 3½ p.
 2. Five days on the Mississippi. 6 p.
 3. Well-unit water-supply at Aurora, Ill. 2 p.
 4. Activated-sludge results at Cleveland, reviewed. II. 5 p.
 5. Completing the St. Louis municipal bridge. 3 p.
 6. New railway in Indiana for the Pennsylvania system. 2½ p.
- Vol. 76. No. 25. Dec. 21, 1916.
1. New multiple arch dams in the Sierra Nevadas. 3 p.
 2. Wayne sewage-disposal works after nine years' use. 3 p.
 3. Erecting and swinging 720-ft. span of Metropolis bridge. 3 p.

ENGINEERING RECORD

Vol. 74. No. 16. Oct. 14, 1916.

1. Disintegrated gravel, 1000-mile tour shows, is best highway material in Colorado. 3½ p.
2. Should wider joints be provided in concrete roads laid late in the season? 1½ p.
3. Selecting economical type of riveted joint for steel pipes and standpipes. 2 p.
4. Every possible precaution observed to make watertight Keechelus Reservoir, Washington. 2 p.

Vol. 74. No. 17. Oct. 21, 1916.

1. Contractors' methods on Welland ship canal work present interesting variations. 4 p.
2. Engineer reports on corrosion of 350 mile Australian steel pipe line. 2 p.

Vol. 74. No. 19. Nov. 4, 1916.

1. Large steel-frame ship shed contains special trusses designed for vertical and horizontal crane loading. 2½ p.
2. General track and building plan for Chicago Union Station is made public. 2½ p.
3. Formulas for width of base of gravity retaining walls. 2 p.

Vol. 74. No. 20. Nov. 11, 1916.

1. Novel method of erection adopted in raising longest highway arch span. 2 p.
2. Test apparently substantiate theoretical formula for strength of outstanding flanges. 2 p.

Vol. 74. No. 21. Nov. 18, 1916.

1. Modern turbines and new power house replace earlier French design of Yadkin River power project. 4 p.
2. Viaduct 170 feet high erected without falswork by special steel strap. 2 p.
3. Highway conditions in pioneer good roads state unsatisfactory. 2 p.
4. Queen & crescent has carried out extensive program to improve drainage of roadbed. 1½ p.

Vol. 74. No. 22. Nov. 25, 1916.

1. \$600,000 Washington irrigation project, financed by land owners, completed in a year. 3 p.
2. Driving of tunnel beneath English Channel awaits British Parliament's consent. 2 p.
3. Influence lines as deflection diagrams. 2½ p.
4. Road building method of New York State criticised; deputy commissioners reply. 2½ p.

Vol. 74. No. 23. Dec. 2, 1916.

1. Camera's use on engineering work worth learning. 3 p.
2. Difficult problems solved in placing new members and larger pins in drawspan. 1 p.
3. Develop four types of bank protection in Washington. 1 p.
4. Tidal lock with special safety devices for large dock at Chemulpo, Korea. 3 p.

Vol. 74. No. 24. Dec. 9, 1916.

1. Bids asked before bonds were voted to show that estimate represented real cost of pipe line. 2 p.
 2. Proposes complete specifications for the structural-steel work of buildings. 2½ p.
 3. Reservoir capacity increased and construction cost of dam decreased by hydraulic sluicing. 1½ p.
- Vol. 74. No. 25. Dec. 16, 1916.
1. Dredging equipment for any contract should be chosen to fit exactly the conditions expected. 3½ p.
 2. Timber incased concrete caissons to be sunk 142 feet for New London Bridge. 2½ p.
 3. Reinforced-gypsum roof decks a modern development in the structural field. 1½ p.

INDIAN ENGINEERING

Vol. LX. No. 13. Sept. 23, 1916.

1. The 90-foot reinforced concrete arch at Manpwin, Northern Shan States. 3 p.

JOURNAL OF THE WESTERN SOCIETY
OF ENGINEERS

Vol. XXI. No. 8. October, 1916.

1. Large modern lock gate. 37 p.
2. Comparison designs of office buildings. 59 p.

LE GÉNIE CIVIL

Tome LXIX. No. 14. 30 Sept., 1916.

1. Grue titan de 40 tonnes pour la construction du port de Fishguard. (Angleterre). 2 p.

Tome LXIX. No. 15. 7 Oct., 1916.

1. Les ports français et la guerre: La Rochelle-La Pallice. 5 p.

Tome LXIX. No. 16. 14 Oct., 1916.

1. Le nouvel accident du pont de Quebec. Chute de la travée centrale au moment de sa mise en place par soulèvement. 7 p.

Tome LXIX. No. 17. 21 Oct., 1916.

1. Le tunnel sous la Manche. Chemin de fer sous-marin entre la France et l'Angleterre. 9 p.
2. Ponts à arcades, système Vierendael. Nouvelle méthode de calcul approché. 3½ p.

Tome LXIX. No. 18. 28 Oct., 1916.

1. Halles à marchandises à étage pour gares de chemins de fer. 5 p.

Tome LXIX. No. 19. 4 Nov., 1916.

1. Les ports français et la guerre. Nantes et la Loire maritime. 6 p.

Tome LXIX. No. 20. 11 Nov., 1916.

1. Les chemins de fer projetés dans la Russie septentrionale. Le chemin de fer de Petrograd à la côte.
2. Les ports français et la guerre, Saint-Nazaire. 3 p.

Tome LXIX. No. 22. 25 Nov., 1916.

1. Les resultats d'exploitation du chemin de fer des Alpes Bernoises (Berne-Loetschberg-Simpton). 4 p.

Tome LXIX. No. 23. 2 Déc., 1916.

1. Le barrage-réservoir d'Elephant Butte (New Mexico, Etats-Unis). 6 p.
2. Ponts basculants, système Scherzer et système Cuvelier. (planche III). 2½ p.

Tome LXIX. No. 24. 9 Déc., 1916.

1. Les chemins de fer chinois. Programme pour leur développement. (planche IV). 5 p.

MUNICIPAL JOURNAL

Vol. XLI. No. 16. Oct. 19, 1916.

1. Activated sludge sewage treatment. 3½ p.

Vol. XLI. No. 17. Oct. 26, 1916.

1. Activated sludge sewage treatment. 3 p.

Vol. XLI. No. 18. Nov. 2, 1916.

1. Pavement destruction by heavy trailers. 3 p.
2. Operation of Baltimore sewage treatment plant. 3 p.

Vol. XLI. No. 20. Nov. 16, 1916.

1. New method of surfacing concrete pavement. 1½ p.

Vol. XLI. No. 21. Nov. 23, 1916.

1. Street cleaning. 18 p.

Vol. XLI. No. 22. Nov. 30, 1916.

1. Repairing flood damage to San Diego water system. 2½ p.
2. Bituminous concrete paving in Montclair. 2 p.

Vol. XLI. No. 23. Dec. 7, 1916.

1. Lake Quinsigamond Bridge. 2 p.
2. Oil for treating wood paving blocks. 3 p.

Vol. XLI. No. 24. Dec. 14, 1916.

1. Pipe-laying by steam shovel. 2½ p.
2. Waste disposal for small municipalities. 2½ p.

Vol. XLI. No. 25. Dec. 21, 1916.

1. Worcester's Pine Hill Dam. 4 p.
2. Designing storm water inlets. 1½ p.

PROFESSIONAL MEMOIRS

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

Vol. 8. No. 42. Nov.-Dec., 1916.

1. Improvement of the mouth of the Columbia River. 34 p.
2. Results of experiments looking to the development of a form of sub-aqueous concrete revetment for the protection of river banks against scour or erosion. 13 p.
3. Retaining wall failure at lock No. 13, Kentucky River. 12 p.
4. Submarine mine wharf at fort Armstrong, T.H. 8 p.
5. Improvement of Livingstone Channel, Detroit River, dry excavation. 9 p.

RAILWAY AGE GAZETTE

- Vol. 61. No. 16. Oct. 20, 1916.
1. Locomotive fuel economy and boiler design. 5 p.
- Vol. 61. No. 18. Nov. 3, 1916.
1. Traveling Engineers' Association convention. 7 p.
- Vol. 61. No. 19. Nov. 10, 1916.
1. Railway Electrical Engineers' Convention. 4 p.
2. The construction of the Chiriqui Railway. 3½ p.
- Vol. 61. No. 20. Nov. 17, 1916.
1. New Union passenger facilities at Dallas. 6½ p.
2. Comparative statistics of the world's railways. 2 p.
- Vol. 61. No. 21. Nov. 24, 1916.
1. Highways crossing signals. 1 p.
2. A new bridge at Kiskiminetas Junction, Pa. 2½ p.

RAILWAY GAZETTE

- Vol. XXV. No. 14. Oct. 6, 1916.
1. Cab signals and automatic shops on the Western Pacific Railroad. 3 p.
- Vol. XXV. No. 15. Oct. 13, 1916.
1. Electrification of the Chicago, Milwaukee & St. Paul Railway. 6 p.
- Vol. XXV. No. 17. Oct. 27, 1916.
1. Michigan Central new passenger terminal, Detroit. 4 p.
2. The development of appliances for handling raw materials and merchandise at ports and other large centres of traffic. 3½ p.
- Vol. XXV. No. 18. Nov. 3, 1916.
1. Michigan Central new passenger terminal, Detroit. 3 p.
2. The development of appliances for handling raw materials and merchandise at ports and other large centres of traffic. 3½ p.
- Vol. XXV. No. 19. Nov. 10, 1916.
1. The economical signalling of a Colonial Railway. 4 p.
2. Commercial motor vehicles for railway and industrial purposes. 3½ p.
- Vol. XXV. No. 21. Nov. 24, 1916.
1. The rotary interlocking block system. 4 p.
2. The Keadby Bridge. 1 p.
- Vol. XXV. No. 22. Dec. 1, 1916.
1. The burning-out of a tunnel on the Southern Pacific. 2 p.
2. High explosives: Their history and Manufacture, and their application to railway and kindred work. 3 p.
- Vol. XXV. No. 23. Dec. 8, 1916.
1. High explosives: Their history and manufacture, and their application to railway and Kindred work. 2½ p.
2. Position-light signals, Pennsylvania Railroad. 2½ p.

RAILWAY REVIEW

- Vol. 59. No. 20. Nov. 11, 1916.
1. Construction of two concrete arch bridges at Rosalia. Wash. 2 p.
- Vol. 59. No. 21. Nov. 18, 1916.

1. Method of holding soft roadbed, C. M. & St. P. Ry. 1 p.
 2. New dock of Buffalo Rochester & Pittsburgh Ry. at Buffalo Creek, N. Y. 2 p.
 3. Modern methods of driving wooden piles.
 4. Intakes and intake lines in railway water service. 3½ p.
 5. Track maintenance. 3 p.
- Vol. 59. No. 22. Nov. 25, 1916.
1. Illumination of railroad yards. 2 p.
 2. Segregated streaks in steel rails. 3 p.
 3. Modern methods of driving wooden piles. (Continued from page 689.) 2 p.
- Vol. 59. No. 23. Dec. 2, 1916.
1. Engine terminal and coach yard, Baltimore & Ohio C. T. R. R., Chicago. 8 p.
 2. Electric arc welding. 3½ p.
- Vol. 59. No. 24. Dec. 9, 1916.
1. Susquehanna River bridge of the Cumberland Valley R. R. at Harrisburg, Pa. 6 p.
- Vol. 59. No. 25. Dec. 16, 1916.
1. Tests of rail joints, Atchison Topeka & Santa Fe Ry. 6.5 p.

SCIENTIFIC AMERICAN

- Vol. CXV. No. 17. Oct. 21, 1916.
1. Building a pipe-line of concrete. (Twenty-seven mile tube which indicates a new field for this surprising material). 1½ p.
- Vol. CXV. No. 20. Nov., 11, 1916.
1. Construction of the Balboa dry dock. (Provision at Panama for repairing the largest vessels in the world).
- Vol. CXV. No. 22. Nov. 25, 1916.
1. A Giant Among Tunnels. (Where the Marseilles Canal goes through the mountain). 2 p.
- Vol. CXV. No. 23. Dec., 2, 1916.
1. A reservoir that will float. (A German solution of the difficulties of subaqueous concrete work). 1 p.
 2. Forty million horse power wasted. (A plea for the utilization of our water powers). 2 p.
 3. Electrification of steam railroads. (Directions in which this form of traction is likely to expand). 2 p.

SCIENTIFIC AMERICAN SUPPLEMENT

- Vol. LXXXII. No. 2129. Oct. 21, 1916.
1. Optical stress analysis. (A practical application of the method to modern engineering problems). 2 p.
- Vol. LXXXII. No. 2131. Nov. 4, 1916.
1. Cross-channel communication. (Between England and France—various plans reviewed). 1 p.
- Vol. LXXXII. No. 2133. Nov. 18, 1916.
1. The New York barge canal. (Its relation to other waterways and outlying territory). 1 p.

- Vol. LXXXII. No. 2134. Nov. 25, 1916.
 1. The United States lighthouse service—I. (Its history, growth and method). 3 p.
- Vol. LXXXII. No. 2138. Dec. 23, 1916.
 1. Road drainage. (The importance of proper foundations). 2½ p.

THE ENGINEER

- Vol. CXXII. No. 3169. Sept. 22, 1916.
 1. The constant angle arch dam. 4 p.
- Vol. CXXII. No. 3170. Sept. 29, 1916.
 1. British-built passenger locomotive for French State railways. 2 p.
- Vol. CXXII. No. 3171. Oct. 6, 1916.
 1. Electric power in a marble quarry. 1½ p.
- Vol. CXXII. No. 3172. Oct. 13, 1916.
 1. Refuse destruction. 1½ p.
 2. The selection of centrifugal pumps. 1 p.
 3. The accident to the Quebec Bridge. 1 p.
 4. New train ferry for New Orleans. 1 p.
 5. Mechanical coal stage at Hull. 2½ p.
- Vol. CXXII. No. 3173. Oct. 20, 1916.
 1. Placing concrete lining in tunnels by compressed air. 1½ p.
- Vol. CXXII. No. 3174. Oct. 27, 1916.
 1. Erection of the South cantilever arm of the New Quebec Bridge. No. I. 2½ p.
- Vol. CXXII. No. 3175. Nov. 3, 1916.
 1. The channel tunnel and other projects. No. I. 1 p.
 2. The Bloor-Street viaduct, Toronto. 2 p.
- Vol. CXXII. No. 3176. Nov. 10, 1916.
 1. New water supply for Guayaquil. 3 p.
 2. The channel tunnel and other projects. No. II. 1½ p.
- Vol. CXXII. No. 3177. Nov. 17, 1916.
 1. The channel tunnel and other projects. No. III. 1 p.
 2. American Petrol excavators and tractors. 1 p.
- Vol. CXXII. No. 3178. Nov. 24, 1916.
 1. British railways. No. II. 1½ p.
 2. Drainage equipment for the Hudson River siphon of the Catskill Aqueduct. 4½ p.
 3. The channel tunnel and other projects. No. IV. 1½ p.
 4. Pit shaft sinking by the freezing process. 2 p.
- Vol. CXXII. No. 3179. Dec. 1, 1916.
 1. The Misox Railway. No. I. 5 p.
 2. The channel tunnel and other projects. No. V. 2 p.
- Vol. CXXII. No. 3180. Dec. 8, 1916.
 1. The channel tunnel and other projects. No. VI. 2½ p.
 2. Covering in the river shaft at Sheffield. 2½ p.

THE ENGINEERING MAGAZINE

- Vol. LII. No. 2. November, 1916.
 1. Limitations of the oxy-acetylene process. 7 p.

THE FAR EASTERN REVIEW

Vol. XIII. No. 5. October, 1916.

1. Developing American commercial interests in China. (Railway and canal contracts signed). 1½ p.

Vol. XIII. No. 6. November, 1916.

1. Prospects for American railroadmen in China. 1½ p.
2. American railway contractors begin work in China. 7½ p.

THE INDIAN & EASTERN ENGINEER

Vol. XXXIX. No. 5. November, 1916.

1. Colombo Harbour. 1 p.
2. Concrete roads. 3 p.
3. Madras water and drainage. 3 p.

Vol. XXXIX. No. 6. December, 1916.

1. Irrigation in Bombay. 3 p.
2. Madras water and drainage. 2½ p.

THE RAILWAY ENGINEER

Vol. XXXVII. No. 442. November, 1916.

1. The Quebec Bridge. 3 p.

Vol. XXXVII. No. 443. December, 1916.

1. The Quebec Bridge. 2 p.
2. The economical signalling of a Colonial Railway. 3 p.
3. Keadby Bridge. 1 p.

THE RAILWAY MAGAZINE

Vol. XXXIX. No. 234. December, 1916.

1. American locomotives recently built for export. 6 p.
2. Railway electrical progress and practice. 6 p.

WATER AND WATER ENGINEERING

Vol. XVIII. No. 214. Oct. 16, 1916.

1. River gauging by the small Price electric current meter. 3½ p.

Vol. XVIII. No. 215. Nov. 15, 1915.

1. River gauging by the small Price electric current meter. 2½ p.
2. Waterworks engineering exports. 3½ p.
3. Experimental work on sewage purification. 2 p.