

新刊紹介

土木學會誌 第七卷第三號 大正十年六月

新刊紹介
内外諸雜誌主要題目

- Bach, C. und Baumann, R.**—Festigkeitseigenschaften und gefügebilder der Konstruktionsmaterialien. 8×11, 190 p., illustrated, cloth. Julius Springer, Berlin. Preis: 80 M.
- Blow, E.**—California highways. California State Automobile Association, San Francisco, 1920. 308 P., illustrated.
- Bull, F. H.**—Hydro-electric Survey of India. Vol. II. Report on the water power resources of India, 1919-20. 6×9, 123 p., folding map.
- Dont, J. A.**—Kinematics and kinetics of machinery. 6×9, 383 p., illustrated, cloth. John Wiley & Sons, New York. Price: \$3.50.
- Fergusson, F. F.**—The fundamental principles of water power engineering. 4×7, 116 p., illustrated, cloth. Price: \$1.
- Fischer, M.**—Statik und Festigkeitslehre. Dritter Band: Formänderungen. Hermann Meusser, Berlin, 1920. Preis: geb. 96 M.
- Fowler, C. E.**—A practical treatise on engineering and building foundations, including subaqueous foundations. Vol. I. Ordinary foundation. Fourth edition, revised and enlarged. John Wiley and Sons, New York. Price: 27s. 6d. net.
- Grübler, M.**—Lehrbuch der Technischen Mechanik. Zweite, verbesserte Auflage. Mit 144 Textfiguren. Julius Springer, Berlin, 1921. Preis: geb. 22 M.
- Honkel, Otto.**—Grundzüge des Eisenbetonbaues. Dritte, völlig neu bearbeitete und erweiterte Auflage. Mit 183 Abbildungen. H. A. Ludwig Degener, Leipzig. Preis: geb. M. 7.50 + 100%.
- Hool, G. A. and J. Ineson, N. C.**—Handbook of building construction. Vol. I & II. 6×9, 1,474 p., in the two vols. illustrated, flexible cover. McGraw-Hill Book Co., Price: \$10 for both vols. (not sold separately)
- Lewis, L. P.**—Railway signal engineering (Mechanical) second edition, revised. Constable and Co., London. Price: 14s. net.
- Métour, E.**—Méthode de calcul des ponts métalliques. Un volume grand in-8° de 444 p., avec 240 figures. Dunod, éditeur, Paris. Prix: 80 francs.
- Pacart, E.**—La technique de la houille blanche et des transports d'énergie électrique. Tome III. Utilisation de l'énergie des chutes d'eau—Volume 16×25, de 1005 p., et 675 figures. Prix: 132 francs. Tome IV. Utilisation de l'énergie des forces hydrauliques—Volume 16×25, de 638 p., et 253 figures. Prix: 75 francs. Dunod, éditeur, Paris.
- Spalding, F. F.**—Masonry structures. 6×9, 194 p., illustrated. John Wiley & Sons, New York. Price: \$3.50.
- Ston, M. F.**—Water purification plants and their operation. Second edition. John Wiley and Sons, New York. Price: 16s. 6d. net.
- Thomson, G.**—Modern Sanitary engineering. Part II. Sewerage. Constable and Co., London. Price: 14s. net.
- Weyrauch, R.**—Hydraulische Rechnen. Konrad Wittwer, Stuttgart, 1921. Preis: geb. 60 M.
- Concrete road and their construction.** Being a description of the concrete roads in the United Kingdom, together with a Summary of the experience in this form of construction gained in Australia, Canada, New Zealand and the United States of America. Concrete Publication, Limited, London.
- Use of concrete pipe in irrigation.** Bulletin No. 996, issued by the U. S. Department of Agriculture. 5½×9½, 55 p., and cover. Price: 25c. per copy.
- Vorlesungen über Ingenieur-Wissenschaften.** Zweiter Teil. Eisenbrückenbau. Zweiter Band. Eisenbrücken im allgemeinen. Vollwand- und Rahmentragbrücken. Mit 333 Textfiguren. Wilhelm Engelmann, Leipzig, 1921. Preis: geb. 32 M. + 140%.

内外諸雜誌主要題目

工 學

- 第八卷 第四號 大正十年四月十日 1. 鐵筋混凝土睡管の定規に就て 宮島忠雄 8頁 2. 治水と森林 (二) 中村猪市 8頁 3. 明治の中葉に於ける英米橋桁の論争 野澤勇敏 7頁
4. 都市計劃 (二) 坂田時和 11頁 5. 道路用としての瀝青 森豊吉 6頁
- 第八卷 第五號 大正十年五月十日 1. 鐵筋混凝土工場建築の一例 友松仙藏 10頁 2. 不等流水路に於ける流水の計算 (二) 平野正雄 12頁 3. 治水と森林 (三) 中村猪市 10頁
4. 鐵筋混凝土睡管の定規に就て (二) 宮島忠雄 4頁

工 學 會 誌

- 第四百四十七卷 大正十年四月二十九日 1. 鐵筋混凝土の初應力に就て 坂田時和 10頁 2. 電氣捲揚機の經濟的速度 目見徳太 8頁 第四百四十八卷 大正十年五月二十日 1. 貯炭に就て 目見徳太 20頁

工 業 雜 誌

- 第五十四卷 第六百九十八號 大正十年四月二十日 1. 銲接手ノ圖式設計 (五) 湯淺龜一 6頁
2. 架梁運搬機器 石田美嘉藏 4頁
- 第五十四卷 第六百九十九號 大正十年五月五日 1. 銲接手ノ圖式設計 (六) 湯淺龜一 9頁
- 第五十四卷 第七百號 大正十年五月二十日 1. 銲接手ノ圖式設計 (七) 湯淺龜一 4頁 2. 東京地下鐵道と東京の地質 安部邦衛 5頁

帝國鐵道協會會報

- 第二十二卷 第三號 大正十年五月十五日 1. 歐米視察談より住宅問題に及ぶ 飯山敏雄 24頁
2. バルカン及メグダッド鐵道に就て 久留義郷 17頁

Annales des Ponts et Chaussées

(Partie Technique)

- 90^e Année Tome LVI. Vol. V. Sept.-Oct., 1920. 1. Note sur la construction du résent des routes du Maroc. Par M. Joyant. 21p. 2. Note relative au fonçage de caissons sur rouet en béton armé dans les travaux du chemin de fer métropolitain. Par M. Suquet. 13p. 3. Béton armé.—Formule rationnelle du taux de compression du béton. Par M. Monguét. 13p. 4. Équilibre classique d'une console à profil triangulaire uniformément surchargée. Par M. Tessier. 6p. 5. Les ports privés du canal Rhin-Meuse. Par M. Antoine. 12p.
- 90^e Année. Tome LIX. Vol. VI. Nov.-Déc., 1920. 1. Câbles. Par M. Arnould. 25p. 2. Le régime des ports fluviaux du Rhin. Par M. Lamois. 42p.

Annales des Travaux Publics de Belgique

- Tome XXII. 1^{er} Fascicule. Février 1921. 1. Le calcul des colonnes. Par L. Lemaire. 25p. 2. Piliers-Murs immergés—Barrages à sections horizontales également comprimées.—Formules pratiques. Par J. Davigneaud. 70p.

Bulletin of the International Railway Association.

- Vol. III. No. 2. February, 1921. 1. On the question of reinforced concrete (Subject IV for discussion at the ninth congress of the International Railway Association). By Marcel Castian 78p.
2. Practical study of interlocking. By J. Verdeyen. 21p.
- Vol. III. No. 3. March, 1921. 1. On the question of safety appliances on light railways (Subject XX for discussion at the ninth congress of the International Railway Association). By Serge de Karcischn. 58p. 2. The development of locomotive valve gear. By James Dunlop. 19p.
3. Advantages of steam and electric locomotives. 14p.

Canadian Engineer

- Vol. 40. No. 7. Feb. 17, 1921. 1. Town planning and development in Saskatchewan. By W. A. Begg. 3½p. 2. Design and construction of bridge foundations. By Llewellyn N. Edwards. 5p.
- Vol. 40. No. 8. Feb. 21, 1921. 1. Concrete forms and surface treatment. By T. T. Black. 4½p. 2. Relation of plant design to dust explosions. By D. J. Price and H. H. Brown. 4½p.
- Vol. 40. No. 9. Mar. 3, 1921. 1. Extension to Dunlop Tire Co.'s plant, Toronto. 4½p. 2. New methods of proportioning concrete. 1½p. 3. Economics of bridge and culvert construction. By A. Sedgwick. 2½p. 4. Topographical exploratory surveys. By C. A. Biggs. 1½p.
5. Outlook for Dominion Land Surveyors. By F. V. Seibert. 3p.
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- Vol. 40. No. 15. Apr. 14, 1921. 1. Utility of Canadian topographic maps. By J. D. MacKenzie. 2p. 2. "Cover" for bituminous surface treatments. By J. S. Grandell. 1½p. 3. Railway reorganization and gorge terminal for Niagara Falls, N. Y. By Noulan Cauehon. 1p.
- Vol. 40. No. 16. Apr. 21, 1921. 1. Rigid frame construction for Brockville plant. 4p.
- Vol. 40. No. 17. Apr. 28, 1921. 1. Construction of service connections to sewers. By A. G. Dalzell. 3½p.

Compressed Air Magazine

- Vol. XXVI. No. III. March, 1921. 1. The superpower zone an economic necessity. By Robert G. Skerrett. 7p. 2. Modern pneumatic Caisson Practice. By Frank W. Skinner. 6½p.
- Vol. XXVI. No. IV. April, 1921. 1. Rebuilding devastated France and its industries. By Francis Jackson Tilsort. 8½p. 2. Has the riddle of the mystery towers been solved? By Sidney Morington. 3½p.

Concrete and Constructional Engineering

- Vol. XVI. No. 3. March, 1921. 1. A 700-ton gravel hopper. By V. Elmont. 2½p. 2. Portland cement: Its testing and specification—British and foreign method. By R. E. Stradling. 9p. 3. A new reinforced concrete acid tower, Hawkesbury, Ont. 2p.
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Electric Railway Journal

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- Vol. 57, No. 9, Feb. 26, 1921. 1. Public service commission studies Newark traffic. 2½p. 2. Discussion of temperature effects in power cables. 2½p.
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Engineering

- Vol. CXL, No. 2876, Feb. 11, 1921. 1. Reconstruction of Warrington Bridge. 2p. 2. Recent hydro-electric power developments in Ontario, Canada. 1½p. 3. Wells as a source of supply. 2½p.
- Vol. CXL, No. 2878, Feb. 25, 1921. 1. Graphical method for determining the size of reinforced concrete T beams. By G. Ivan Cope. 1p.
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Engineering News Record

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- Vol. 86, No. 6, Feb. 10, 1921. 1. Snow surveying for the forecasting of stream flow. By J. E. Church. 4½p. 2. The sewage treatment plant at Newton, Kansas. By Ivan S. Siegrist. 1½p. 3. Build bridge across the Colorado in Grand Canyon. 2p. 4. Concrete oil reservoir with flat-slab roof and floor. By Eugene E. Haldness. 3½p.
- Vol. 86, No. 8, Feb. 24, 1921. 1. Build large earth-fill stadium by shearboard method. 4p. 2. New ocean outfall and screens for Los Angeles sewage. 1½p. 3. Concrete pile bridge fails from slipping foundation. By E. E. East. 2p.
- Vol. 86, No. 10, March 10, 1921. 1. Reconstruction of upper deck on Eads Bridge approach. By E. C. Albrecht. 3p. 2. Mechanical equipment speeds snow removal. 2½p. 3. Plant

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- Vol. 86, No. 16, Apr. 21, 1921. 1. How Maryland enforces its motor vehicle law. 2p. 2. Some of the engineering aspects of public health. By J. A. Tobey. 2p. 3. Report on services and fees of practicing engineers. 1p. 4. Repair of temp concrete arch bridge damaged by settlement and floor expansion. By M. Butler. 4p.
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Engineering World

- Vol. 18, No. 3, March, 1921. 1. Kerckhoff hydro-electric project in California. By W. A. Scott. 6p. 2. British report on use of tidal power. 1½p. 3. The chlorination of public water supplies. By George W. Simons, Jr. 2½p. 4. Concrete at Western mines. 3p. 5. Activated sludge experiments at Tanshall, England. 1½p. 6. Cusker screenings make strong concrete. 3p. 7. Pouring and pressure tests of concrete. By W. A. Slater and A. T. Goldbeck. 4½p.
- Vol. 18, No. 4, April, 1921. 1. Expansion and contraction in concrete structures. By Albert M. Wall. 4p. 2. Precast concrete slabs for highway grade crossings. By H. Galin Campbell. 3p. 3. The flow of water in drain tile. By D. L. Yumek. 4p.

Highway Engineer and Contractor

- Vol. 4, No. 3, March, 1921. 1. Vertical fibre brick pavements in Kenosha, Wis. By E. J. Hurgren. 3p. 2. Precast pavement on salt creek highway construction. By C. H. Bowman. 2p. 3. Subgrade investigation on latest experimental highway. By H. E. Clemoner. 3p.
- Vol. 4, No. 4, April, 1921. 1. Bituminous foundations for highway pavements. By Hugh W. Skidmore. 3p. 2. Asphalt pavements of the future. By Allen Dinnick. 2p. 3. New design for blind concrete highways. 1½p. 4. Concrete pavement costs reduced by mechanical loaves. 2½p.

Journal of the New England Water Works Association

- Vol. 35, No. 1, March, 1921. 1. Standard schedule for grading cities and towns of the United States with reference to their fire defenses and physical conditions. By John S. Caldwell. 18p. 2. The water supply of Geneva, Switzerland. By Monsieur H. Bétaut. 3p. 3. Air in gravity-

- minis. By J. W. Lecloux. 3p. 4. Waste restriction in Boston. By Frank A. McJannet. 2p.
5. Operation of a true siphon on a main supply pipe. By Wallace R. Brann and C. W. Sherman.
5p. 6. Cleaning and painting steam pipes. By Charles W. Sherman. 6p.

Journal of the Western Society of Engineers

- Vol. XXVI. No. 1. January, 1921. 1. City gas of the future. By R. B. Harper. 15p.
Vol. XXVI. No. 2. February, 1921. 1. Automatic train control-Government view point. By
W. E. Berland. 3p. 2. Problems in installation of automatic train control. By W. B. Murray.
5p. 3. A railroad operating view of automatic train control. By W. G. Bird. 5p. 4.
Waste heat utilization. By G. R. McDermott and E. H. Willcox. 17p.
Vol. XXVI. No. 3. March, 1921. 1. Steel rails. By C. W. Gemet. 9p. 2. Western Union
Telegraph building. By Eugene M. Fisk. 30p.

La Houille Blanche

- 20^e Année. No. 49-50. Jan-Fév., 1921. 1. Récentes dispositions concernant la législation de
l'énergie hydroélectrique. 3p. 2. L'Aménagement du Rhône. 4p. 3. L'Étude des Coupes
de Bélier dans les canalisations métalliques sous pression. 4p. 4. L'essai des turbines hydroélectriques.
3p.

Le Génie Civil

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bloc automatique aux États-Unis. Par J. Netter. 5p.
Tome LXXVIII. No. 7. 12 Fév., 1921. 1. Hangar en béton armé pour deux dirigeables, à
Lanson (Vendée). Par Ch. Dantin. 4p.
Tome LXXVIII. No. 8. 19 Fév., 1921. 1. La Cité-jardin «Hydriants» de la «Baterlandische
Droogdok Maatschappij», à Rotterdam; Par C. Lemaire. 4p.
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ments récents et la pratique actuelle de leur emploi. 5p.
Tome LXXVIII. No. 10. 5 Mars, 1921. 1. L'application des câbles à la construction d'ateliers
et de hangars pour avions ou dirigeables, à toiture suspendue. Par G. Leclercq et L. Coep. 6p.
with 1 plate. 2. Note sur le théorème du travail minimum. Par L. Bourmyre. 2p.
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Henry Lesclapart, construites aux chantiers Duboué, à Harfleur. Par Robert Samsor. 5p. 2. Ap-
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Biette. 7p.
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Biette. 4p. 2. Les ponts transbordeurs à grand débit. Étude économique de leur emploi. 4p.
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de la Vienne. Usine de Hilschfontain (Vienne) Par Auguste Pawlowski. 4p. 2. Les ponts
transbordeurs à grand débit. Étude économique de leur emploi. 3p.
Tome LXXVIII. No. 15. 9 Avril, 1921. 1. Résultats du concours inter-départemental du projet
pour un canal latéral à l'Allier. Puissance, système Moire. 3p. 2. Le chauffage électrique
au Congrès de l'habitation tenu à Lyon, en mars 1921. 3p. 3. Le trafic du Canal de Panama
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Public Works

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Railway Age

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Railway Maintenance Engineer

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