

新刊紹介

土木學會誌 第七卷第二號 大正十年四月

- Bartholomew, H.—The St. Louis transit system, present and future. 7×10, 36 p., folding maps, City Plan Commission St. Louis, Mo.
- Biggar, E. B.—Hydro-electric development in Ontario. The Biggar Press, Ltd., Toronto, Can. 5×8, 202 p., illustrated. Price: \$ 2.00.
- Bird, H. H.—The practical design of plate girder bridges. 6×9, 180 P., illustrated, cloth. Price: \$ 4.00.
- Bonnet, M. F.—Cours de barrages. Un volume in-8° de 635 pages et 316 figures. Librairie de l'Enseignement Technique, Paris. Prix: 30 francs.
- Hatt, W. K.—Concrete work: A book to aid the self-development of workers in concrete and for students in engineering. 5×8, 451 p., illustrated, cloth. Price: \$ 4.00.
- Pawlowski, A.—Annuaire de la houille blanche française, 1920-1921. Un volume 22×27 de 194 pages. En vente à la Revue générale de l'Electricité, 12, place de Laborde, Paris. Prix: 16 francs.
- Perrott, S. W.—The practice of railway surveying and permanent way work. 6×9, 303 p., illustrated, cloth. Longmans, Green and Co, New York. Price: \$ 10.50.
- Fickworth, C. N.—The slide rule. 5×7, 133 p., illustrated. D. Van Nostrand Co., New York.
- Schwamb, P.—Elements of mechanics. Third edition, revised and enlarged. 6×9, 372 p., illustrated, cloth. John Wiley & Sons, New York. Price: \$ 3.50.
- Stein, M. F.—Water purification plants and their operation. 6×9, 270 p., illustrated, cloth. John Wiley & Sons, New York. Price: \$ 3.00.
- Woodward, S. M.—Hydraulics of the Miami flood control project. 6×9, 343 p., illustrated. Technical Report, Part IV, The Miami Conservancy District. Price: \$ 1.00.
- A handbook of architectural practice.—8×11, 204 p., cloth. Issued by the American Institute of Architects for use in connection with its standard documents. Washington, D. C.
- Fier test of building columns.—6×9, 389 p., illustrated. The National Board of Fire Under-writers and the Bureau of Standard, Department of Commerce, Chicago, Ill. Price: paper \$ 2.00; cloth \$ 2.50.
- Municipal accomplishment in city planning:—Published City Plan Reports in the United States. 6×9, 79 p., paper. National Conference on City Planning, Boston, Mass. Price: 40 c.
- The Atlas handbook on concrete construction—4×7, 144 p., illustrated, Flexible Cover. The Atlas Portland Cement Co., New York. Price: \$ 2.00.

内外諸雜誌主要題目

工 學

- 第八卷 第二號 大正十年二月十日. 1. 鐵筋混凝土煙突計算法に就て. 岸本直治. 三頁. 2. 三州印に就て. 景山質. 二頁. 3. 工事請負に關する公平なる契約. 野澤房敏. 六頁. 4. ベア・トラップに就て. 坂田時和. 六頁. 5. 基礎に於ける外力と應力. (二). 宮本武之輔. 七頁. 6. 隧道工事を如何に研究すべきか. 岡崎保吉. 十頁. 7. 白鳥橋改築工事報告. (二). 佐竹昌志.

六頁.

- 第八卷 第三號 大正十年三月十日. 1. 治水と森林 中村猪市 五頁. 2. 不等流時に於ける流水の計算. (一) 平野正雄 九頁. 3. アスファルト舗道材料の撰擇に就て. (二) 程島五郎 五頁. 4. 道路工器用器具及機械 榮亨 七頁. 5. 都市計劃 坂田時和 十一頁.

工 學 會 誌

- 第四百四十五卷 大正十年一月廿九日. 1. 蒸汽鐵道の電化 吉原重成 十一頁.

工 業 雜 誌

- 第五十四卷 第六百九十四號 大正十年二月二十日. 1. ベルトン水車 中原淳藏 六頁. 2. 工場用水に就きて 片山篤 三頁.
 第五十四卷 第六百九十五號 大正十年三月五日. 1. ベルトン水車 中原淳藏 五頁.
 第五十四卷 第六百九十六號 大正十年三月二十日. 1. ベルトン水車 中原淳藏 五頁.

帝國鐵道協會會報

- 第二十二卷 第一號 大正十年一月十五日. 1. 輕便鐵道電化調査委員會報告 八頁. 2. 支那に於ける狹軌鐵道と輕便式敷設法 金井清 五頁.
 第二十二卷 第二號 大正十年三月十五日. 1. 軌間の變更に就て 島安次郎 二十頁. 2. 米國鐵道の經營組織に就て 岸本熊太郎 八頁.

Annales des Travaux Publics de Belgique

- Tome XXI. 6. Fascicule. Décembre, 1920. 1. Le phénomène de la traction du fer et de l'acier: magnéto élasticité, cohésion, magnétisme limit d'élasticité, lignes de Lüders-Hartmann, attraction universelle, magnétisme terrestre. par A. Vierendul. 42 p. 2. La manœuvre électromécanique des ponts mobiles. par J. Chanteux. 76p.

Bulletin of the International Railway Association.

- Vol. III. No. 1. January, 1921. 1. On reinforced concrete (Subject IV for discussion at the ninth congress of the International Railway Association). By C. Leemans. 52 p.

Bulletin of the Society for the Promotion of Engineering Education.

- Vol. XI. No. 5. January, 1921. 1. The teaching of surveying. By C. T. Johnston. 14p. 2. The value of "g" in engineering work. By S. A. Moss. 11p

Canadian Engineer

- Vol. 40. No. 1. Jan. 6, 1921. 1. Flow of water in concrete pipe lines. 5p.
 Vol. 40. No. 2. Jan. 13, 1921. 1. Quebec built 452 miles of good roads in 1920. By Jos. Boulanger. 1½p. 2. Flow of water in concrete pipe. 3p. 3. Relation of zoning to city planning. By Thos. Adams. 1p.
 Vol. 40. No. 3. Jan. 20, 1921. 1. Relation of raw water to endemic typhoid fever. By N. J.

Howard. 4½p.

- Vol. 40. No. 4. Jan. 27, 1921. 1. New activated sludge experiments. 2p.
- Vol. 40. No. 5. Feb. 3, 1921. 1. Review of progress in reservoir construction. By William Gore. 5½p. 2. Hydraulic turbines for Queenston development. 2½p.
- Vol. 40. No. 6. Feb. 10, 1921. 1. Relation of water supplies to public health. By Dr. J. W. S. McCullough. 1½p. 2. Value of sprinkler protection and efficiency of standard check valves. By C. L. Scofield. 1p.

Compressed Air Magazine

- Vol. XXVI. No. I. January, 1921. 1. Smashing angry seas with bubbles of compressed air. By Robert G. Skerrett. 7p.
- Vol. XXVI. No. II. February, 1921. 1. Compressed air in modern warfare. By Francis Judson Tietsort. 8p.

Concrete and Constructional Engineering

- Vol. XVI. No. 1. January, 1921. 1. Shearing stresses in rectangular reinforced concrete beams. By Alfred Fyson. 7½p. 2. The tallest all-concrete building in the world 1p.
- Vol. XVI. No. 2. February, 1921. 1. Reinforced concrete work at the Colchester Gas Company. 6p. 2. Shearing stresses in rectangular concrete beams. By Alfred Fyson. 7½p. 3. The American "flat slab" type of building: Its advantages and design. By A. E. Wynn. 8p.

Electric Railway Journal

- Vol. 56. No. 26. Dec. 25, 1920. 1. The traction situation in the City of Norfolk, Va. 2½p.
- Vol. 57. No. 1. Jan. 1, 1921. 1. Our national fare experiment. By Lucius S. Storrs. 9p.
- Vol. 57. No. 2. Jan. 8, 1921. 1. Plans presented for rapid transit in City of St. Louis. 3p. 2. Unit idea in the design of power stations. By L. R. Lee. 3½p. 3. The trackless trolley in operation in two British cities. 2½p.
- Vol. 57. No. 3. Jan. 15, 1921. 1. Force action of electric railway brake riggings. By H. M. P. Murphy. 3p. 2. The inspection of rail bonding. By G. H. McKelway. 2p. 3. Results from arc welding on railway properties. By A. M. Candy. 4p.
- Vol. 57. No. 4. Jan. 22, 1921. 1. Operation of two-car trains in Washington, D. C. 3p.
- Vol. 57. No. 5. Jan. 29, 1921. 1. Maintenance on the Butte, Anaconda & Pacific Railway. By F. W. Bellinger. 2p.
- Vol. 57. No. 8. Feb. 19, 1921. 1. Track construction practices in Poughkeepsie, N. Y. By A. J. Stratton. 3p.

Engineering

- Vol. CX. No. 2868. Dec. 17, 1920. 1. Tidal power development. By A. E. Gibson. 3p.
- Vol. CX. No. 2869. Dec. 24, 1920. 1. Arch bridges. 1p. 2. A 5,000-ft. hydro-electric plant. 2p.
- Vol. CX. No. 2870. Dec. 31, 1920. 1. Wells and the permeability of soils. 2p.
- Vol. CXI. No. 2871. Jan. 7, 1921. 1. Tension tests of materials. By E. G. Coker. 4p.
- Vol. CXI. No. 2874. Jan. 28, 1921. 1. Recent hydro-electric power developments in Ontario, Canada. 1½p. 2. The mechanical loading of ships. By H. J. Smith. 3p.

- Vol. CXI. No. 2875. Feb. 4, 1921. 1. Recent hydro-electric power developments in Ontario, Canada. 3p. 2. Developments in transmission. 2½p.

Engineering News-Record

- Vol. 85. No. 26. Dec. 23, 1920. 1. Water hammer in pipe lines. By W. F. Durand. 5p. 2. Retaining wall failure predicted. By C. W. Cook. 1½p. 3. Big tidal power project announced in England. 1p. 4. Venturi flume data throws light upon "Control weir." By Julian Hinds. 2p. 5. Chicago electrification and elevation on C., M. & St. P. Ry. 4p. 6. Use of steel reinforcement for concrete pavements. By H. Eltince Breed. 4p. 7. Functions of rapid transit lines in cities. By Henry M. Brinckerhoff. 4p.
- Vol. 85. No. 27. Dec. 30, 1920. 1. Forward steps in California hydro-electric designs. 2½p. 2. Earth in foundations considered as an elastic solid. By Lazarus White. 3p. 3. An analysis of the proposal to establish a national department of public works. By Lieut.-Col. C. O. Sherrill. 4p. 4. Irrigation water divided between United States and Canada. By Benjamin E. Jones. 2½p.
- Vol. 86. No. 1. Jan. 6, 1921. 1. Financial situation of the railroads and its effect on improvement policies. By T. De Witt Cuyler. 2p. 2. The water supply of Barranquilla, Columbia, South America. By George C. Bunker. 1½p. 3. Results of tests for distortion on exterior wall sections. 1p. 4. Monolithic brick board built of fine aggregate. By W. M. Watson. 1½p.
- Vol. 86. No. 2. Jan. 13, 1921. 1. Groundwater pumping and hydraulic excavation for Beach Hotel foundation. 4p. 2. Horizontal diaphragm increases surge tank capacity. 1p.
- Vol. 86. No. 3. Jan. 20, 1921. 1. Repairing a railway bridge damaged by train wreck. By Clyde B. Pyle. 2½p. 2. Water supply and sanitation in the metropolitan district of New York and New Jersey. 2p. 3. More observation of effect of sea water on concrete. 2p.
- Vol. 86. No. 4. Jan. 27, 1921. 1. Concrete bricks made without forms on commercial basis. 3p. 2. Better freight handling methods by mechanical equipment. By O. W. Stiles. 2p. 3. Large railroad ash-handling plants of two types. 4p.
- Vol. 86. No. 5. Feb. 3, 1921. 1. Road construction in the cypress bottoms of Arkansas. By Don A. MacCrea. 4½p. 2. Subgrade support in pavement design. By Clifford Older. 2½p.
- Vol. 86. No. 7. Feb. 17, 1921. 1. Allegheny River bridge reconstructed at new grade. 4p. 2. Failure of steel truss support wrecks concrete dome. By Edward R. Bowen. 3p. 3. Some recent developments in wood preservation. 2p.

Engineering World

- Vol. 18. No. 1. January, 1921. 1. Reinforced concrete diversion dam for irrigation. By W. A. Scott. 2p. 2. British standard specification for Portland cement. 4p. 3. South Chicago's intercepting sewer. By W. T. Christine. 3½p. 4. Cincinnati's subway. By Frank L. Raschig. 3p. 5. Dorr systems of sewage and trade waste treatment. By R. H. Eagles. 5p. 6. Effect of hydrated lime in concrete. By Duff A. Abrams. 3½p.
- Vol. 18. No. 2. February, 1921. 1. Observations relative to wood-stave pipe. By W. A. Scott. 5p. 2. "World's greatest port" predicated for Chicago. By Col. W. V. Judson. 1½p. 3. Mine shaft houses of imposing architecture. By T. L. Condon. 5½p. 4. Concrete tank construction. By Earl C. Swanson. 4½p. 5. N. Y.-N. J. Port and harbor development report. 4½p.

Highway engineer and Contractor

- Vol. 3. No. 4. October, 1920. 1. Reinforced concrete highways. 4½p.
- Vol. 3. No. 5. November, 1920. 1. Asphaltic concrete surface on Chicago-Milwaukee highway. By John B. Hittle. 4p. 2. Triple batch motor trucks used on highway construction. 3p. 3. Central mixing plant on concrete highway. By R. Peterson. 4p. 4. Asphaltic concrete highway pavements. By W. H. Connell. 2p.
- Vol. 3. No. 6. December, 1920. 1. Central mixing plant establishes new paving record. 2½p.

2. Reinforced concrete highway construction in Hammond, Ind. 2½p. 3. Stanolind asphaltic concrete pavement. 1½p. 4. Using existing macadam base for Bituminous pavement. By George C. Warren. 2½p.

Vol. 4. No. 1. January, 1921. 1. Hauling dry batches by motor truck in Pennsylvania. By D. S. MacBride. 2p. 2. Model paving program for city of 20,000. By Maurice B. Greenough. 3p. 3. Concrete paving in King county, Washington, during 1920. By W. A. Scott. 2p.

Vol. 4. No. 2. February, 1921. 1. Concrete highways for Defiance county, Ohio. By Frank G. Bue. 2p. 2. Significance of local conditions in design of brick pavements. By Maurice B. Greenough. 3p. 3. Some considerations governing design of pavements. By Prevost Hubbard. 2½p. 4. Use of slag in cement concrete pavements. By H. K. Bishop. 2p.

La Houille Blanche

19^e Année. No. 47-48. Nov.-Déc., 1920. 1. L'Aménagement du Rhône. By J. Lemarchands. 11½p. 2. Récentes dispositions concernant la législation de l'énergie hydroélectrique. 5½p.

Le Génie Civil

Tome LXXVII. No. 24. 11 Déc., 1920. 1. La station radiotélégraphique « Latayette » à Croix-d'Hins, près Bordeaux. 10p.

Tome LXXVII. No. 25. 18 Déc., 1920. 1. Grue de 350 tonnes des chantiers navals de Philadelphie 2½p. 2. La consommation de charbon dans la grosse métallurgie. Le bilan thermique d'une aciérie Thomas produisant 300 000 tonnes par an. 4p.

Tome LXXVIII. No. 1. Jan., 1921. 1. Le Métropolitain de Paris. Prolongement de la ligne n° 7, du Palais-Royal à l'Hôtel de Ville, par les quais. Par L. Biette. 7p. 2. La mesure des angles en radians. par J. Maitre. 2p.

Tome LXXVIII. No. 2. 8 Jan., 1921. 1. Le Chemin de fer de Bagdad. par P. Calfas. 5p. 2. Calcul des pontes à treillis double avec montants verticaux sur les appuis seulement. par Bertrand de Fontviolant. 3½p.

Tome LXXVIII. No. 3. 15 Jan., 1921. 1. Les ponts en arc à grande portée en béton. par A. Mesnager. 3p.

Tome LXXVIII. No. 4. 22 Jan., 1921. 1. La future station de télégraphie sans fil de Sainte-Assise, près Melun (Seine-et-Marne). par Bidault des Chaumes. 6p. 2. Les efforts dus à la dilatation dans les conduites forcées des usines hydro-électriques. par E. Baticle. 2p.

Tome LXXVIII. No. 5. 29 Jan., 1921. 1. Le barrage de la Scoltenna (Italie). 2½p. 2. Les signaux de chemins de fer. Le bloc-système automatique et son développement aux Etats-Unis. par J. Netter. 3½p.

Public Works

Vol. 49. No. 26. Dec. 25, 1920. 1. A concrete job mechanical. 4p.

Vol. 50. No. 1. Jan. 1, 1921. 1. Ocean avenue storm sewer. 4p. 2. A concrete job mechanical. 3p.

Vol. 50. No. 4. Jan. 22, 1921. 1. Avenue U sewers, Brooklyn. 2p. 2. Modern cast iron pipe. By A. F. Macallum. 1p. 3. Durability of metal irrigation flumes. 1p.

Vol. 50. No. 5. Jan. 29, 1921. 1. Sewer construction in Kokomo, Ind. 3p. 2. Quicksand. 3p.

Vol. 50. No. 6. Feb. 5, 1921. 1. Non-rigid base for pavements. By Prevost Hubbard. 4p. 2. Reinforcing concrete pavement. 1½p.

Vol. 50. No. 7. Feb. 12, 1921. 1. New York Harbor dry dock corporation's plant. 2p. 2. Service strength of sewer pipes. 2p.

Railway Age

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- Vol. 69. No. 27. Dec. 31, 1921. 1. Pacific fruit express refrigerator cars. 4p. 2. The transportation problem in the coal industry. By A. G. Gutheim. 4p.
- Vol. 70. No. 1. Jan. 7, 1921. 1. Railway developments in Canada in the year 1920. By J. L. Payne. 3p. 2. English railway development during 1920. By Robert E. Thayer. 6½p.
- Vol. 70. No. 2. Jan. 14, 1921. 1. The Chilean State railways are an open market. By John P. Risque. 2. Operating a modern freight house efficiently. By W. E. Phelps. 4p.
- Vol. 70. No. 3. Jan. 21, 1921. 1. Train handling with electric locomotives. By W. S. H. Hamilton. 4½p.
- Vol. 70. No. 4. Jan. 28, 1921. 1. Proposed reorganization of the port of New York. 5p. 2. The Chilean State railways are an open market. By John P. Risque. 3p.
- Vol. 70. No. 6. Feb. 11, 1921. 1. New bridge marks progress in transportation. By H. B. Glisson. 4p.

Railway Gazette

- Vol. XXXIV. No. 1. Jan. 7, 1921. 1. The Trans-Australian Railway. By J. J. Poynton. 5p. 2. Auto-train control gear, Great Eastern Railway. 2p.
- Vol. XXXIV. No. 2. Jan. 14, 1921. 1. New heavy oil burning goods locomotives for the Great Indian Peninsula Railway. 2p. 2. Turbine driven locomotive: Swiss federal railways. 1p.
- Vol. XXXIV. No. 3. Jan. 21, 1921. 1. The Manchester Ship Canal as a factor in transport. 1p.

Railway Maintenance Engineer

- Vol. 17. No. 1. January, 1921. 1. Resawing timber saves much money. 3p. 2. Nine steam shovels remove great slide. 4p. 3. A new record in bridge transfers. 3p. 4. Result of the annual track inspections. 2½p. 5. Saving money by water treatment. Paul M. La Bach. 4p. 6. Railroad developments during 1920. 1½p.
- Vol. 17. No. 2. February, 1921. 1. Shallow-head and deep-head rails compared. George H. Tinker. 2p. 2. Wood-preservers study Western timber. 3p.

Railway Review

- Vol. 68. No. 1. Jan. 1, 1921. 1. The railroad situation for the year 1920. By Thomas De Witt Cuyler. 1½p.
- Vol. 68. No. 2. Jan. 8, 1921. 1. Consolidation of Chicago junction railway with the New York Central R. R. 1½p.
- Vol. 68. No. 4. Jan. 22, 1921. 1. How a railway simplified its disbursements accounting. By C. O. Price. 5½p.
- 六 Vol. 68. No. 6. Feb. 5, 1921. 1. Civic development at the Grand Central Passenger Terminal in New York. 8p.
- Vol. 68. No. 9. Feb. 26, 1921. 1. Hudson vehicular tunnel at New York. 4½p.

Scientific American

- Vol. CXXIV. No. 3. Jan. 15, 1921. 1. Canada's Niagara development (The details the Queen-

- ston-Chippawa project now being pushed toward completion). By J. F. Springer. 1p.
- Vol. CXXIV. No. 4. Jan. 22, 1921. 1. Developing one million horsepower from tidal energy (A government scheme for distributing 500,000 electric horsepower generated in a barrage across the estuary of the Severn). ½p. 2. Panama Canal facts (How the Panama Canal saves time and distance). 2p.
- Vol. CXXIV. No. 5. Jan. 29, 1921. 1. The Mississippi's mouth (What new Orleans is doing to insure its permanent navigability). By J. F. Springer. 1p.
- Vol. CXXIV. No. 6. Feb. 5, 1921. 1. The big dam on the little San Diego (A multiple-arch structure of unusual height and some of the principles involved in its construction). By J. F. Springer. 1p.

The Engineer

- Vol. CXX. No. 3390. Dec. 17, 1920. 1. Baghdad Railway. No. IV. By Major Derwent Gordon Heslop, R. E. 3p. 2. Studies in tidal power. No. III. By Norman Davey. 1½p. 3. Hydro-electric developments at Niagara. 2½p.
- Vol. CXXX. No. 3391. Dec. 24, 1920. 1. The Gilboa dam and the Shandaken tunnel for New York water supply. 3½p. 2. Studies in tidal power. No. IV. By Norman Davey. 3p. 3. A new form of long-span crane. 1p.
- Vol. CXXX. No. 3392. Dec. 31, 1920. 1. Studies in tidal power. No. V. By Norman Davey. 1½p.
- Vol. CXXXI. No. 3393. Jan. 7, 1921. 1. Iron, steel, coal and engineering trades in 1920. No. I. 3p. 2. Railways in 1920. 1½p. 3. Locomotives and rolling stock of 1920. 2p.
- Vol. CXXXI. No. 3394. Jan. 14, 1921. 1. Iron, steel, coal and engineering trades in 1920. No. II. 3p. 2. Water supply in 1920. 1½p.
- Vol. CXXXI. No. 3395. Jan. 21, 1921. 1. Progress in dock and harbour works. 1½p. 2. American concrete mixing machinery. 3p. 3. Trestle viaducts on the Great Western Railway. 2½p.
- Vol. CXXXI. No. 3396. Jan. 28, 1921. 1. An American Arched dam with tangent ends. 1½p. 2. The mechanical loading of ships. By H. J. Smith. 2p.

The Far Eastern Review

- Vol. XVII. No. 1. January, 1921. 1. Far eastern shipbuilding. I. Hongkong, II. Shanghai, III. Japan, IV. Navigating the Upper Yangtze. 12p. 2. The Yellow River bridge. 2p. 3. Federated Malay States railways. 4p.
- Vol. XVII. No. 2. February, 1921. 1. Tsingtau's water supply. 5p. 2. The Tsingtau harbor works. 3p.
- Vol. XVII. No. 3. March, 1921. 1. Locomotive and shop practice on the Japanese railways. 4p. 2. Public works in Formosa. 4p.

The Journal of the Engineering Institute of Canada

- Vol. IV. No. 1. January, 1921. 1. Design of a sewage disposal scheme for a city located on tidal waters. By C. J. Yorath. 7½p. 2. Hydrated lime—A chemical engineering product. By Lucius E. Allen. 4½p. 3. Toronto filtration plant. By James Milne. 5½p.
- Vol. IV. No. 2. February, 1921. 1. Mechanical and electrical equipment of the Toronto Union Station. By Walter J. Armstrong. 11p.

The Military Engineering

Vol. XIII. No. 67. Jan.-Feb., 1921. 1. The roads of Alaska. By James Gordon Steese. 11½p.

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The Railway Engineer

Vol. XLII. No. 492. January, 1921. 1. Electrification of Indian railways. I. 5p. 2. Engineering works on the Japanese railways. 4p. 3. Tunnels. XXVIII. 4p.

The Road-Maker

Vol. 14. No. 10. October, 1920. 1. Maintenance of roads by the several states. 1p. 2. Excavating for the New Welland ship canal. 3p. 3. Snow removal as carried on in Pennsylvania. By M. H. James. 1p. 4. Story of Columbia river highway. 2½p. 5. Cost per day to maintain roads by team, truck and tractor. By George H. Johnson. 4p.

Vol. 14. No. 11. November, 1920. 1. New method of adjusting earth excavations and determining haul. 3½p.

Vol. 14. No. 12. December, 1920. 1. Good roads and a "New" region. By L. D. Tucker. 3p.

Vol. 15. No. 1. January, 1921. 1. Twelve hundred miles of ditches in Jersey. By Fred H. Reilly. 2p. 2. Fundamentals of federal aid road construction. By James T. Voshell. 2p. 3. Road-building in mountains of southern California. By Ernest Mc-Gaffey. 2p.

Vol. 15. No. 2. February, 1921. 1. Relative service value of different types of rural pavements. By A. R. Hirst. 7p.

Water and Water Engineering

Vol. XXII. No. 264. Dec. 20, 1920. 1. Proposed tidal hydro-electric scheme for the Severn Estuary. 2½p.

Vol. XXIII. No. 265. January, 1921. 1. Water power problems. By W. J. E. Binnie. 5p. 2. Sterilisation of water by Chlorine gas. By Capt. J. Stanley Arthur. 5p.