

## 新刊紹介

土木學會誌 第一卷第三號 大正四年六月

Kunz, F. C.—Design of steel bridges. 472 P. McGraw-Hill Book Co., New York. 1915. (丸善賣價 10.00 圓)

本書ハ四冊ヨリ成レル“Structural Engineering”ノ第一卷トシテ刊行サレタルモノニシテ

1. External forces.
2. General about reactions and influence lines.
3. Moments and shears in simple spans.
4. Stresses in simple trusses.
5. Stresses in bracing of simple spans.
6. Types of bridges and principal dimensions.
7. Design of floor.
8. Beam and plate girder bridges.
9. Simple truss bridges.
10. Skew bridges and bridges on curves.
11. Weights of simple span bridges.
12. Viaducts.
13. Elevated railroads.
14. Movable bridges and turnbuckles.
15. Arch bridges.
16. Long span bridges in general and examples.
17. Cantilever bridges.

及數多ノ有益ナル附録ヨリ成リ理論ノ部ニ於テハ計算ニ要スル勞力時間ノ節約ヲ圖レル幾多ノ方法ヲ解説シ設計ノ部ニ於テハ實際的方面ニ關スル注意周到ヲ極メ殊ニ橋梁各部ノ明細ヲ示セル數十ノ圖版ノ如キハ頗ル珍トスヘク米式橋梁ノ最新技術ヲ知ラントスルモノ、最良參考書タルヘシ(柴田)

Lauchli, E.—Tunneling. 238 P. McGraw-Hill Book Co., New York. 1915.

(丸善賣價 6.00 圓)

囊ニ Brunton ノ書ヲ得更ニ近ク本書ノ刊行ヲ見ルヲ得タルハ  
類書ニ乏シキ斯界ヲ裨益スル所甚ナカラス

1. Introduction.
2. Importance of geological surveys in connection with tunnel driving.
3. Headings and tunnels of small cross section. Driving methods.
4. Haulage methods.
5. Tunnels of medium cross section.
6. Railroad tunnels of moderate length.
7. Drilling machinery used in connection with tunnel work.
8. Long and deeply overlaid tunnels.
9. Method of handling and removing excavated materials.
10. Tunnel timbering.
11. Lining deep tunnels.
12. Determination of the rock temperature in deeply overlaid tunnels.
13. Vitiation of the atmosphere of long tunnels.
14. Ventilation during construction of long and deep tunnels.
15. Tunnels driven through soft materials.
16. Pressure acting on tunnels driven through soft and cohesionless materials.
17. Siphon tunnels.
18. Tunnels driven with compressed air.
19. Miscellaneous tunnels.

近年長足ノ進歩ヲナセル長隧道建設ニ關シテ未タ世ニ知ラレ  
サル事實ヲ掲ケタル所甚ナカラス記スル所簡ナリト雖モ其説  
ヤ珠玉ナリ以テ讀者ノ歡迎ヲ期待スルニ足ル(柴田)

Magny, A. V.—La construction en béton armé. 587 P. Ch. Béranger, Paris.  
1914. (丸善賣價 9.00 圓)

本書ハ

1. Tables et renseignements généraux.
2. Matériaux et leur mise en oeuvre.

1. Matériaux.
2. Mortiers et bétons.
3. Coffrages et échafaudages.
4. Mise en œuvre.
5. Etablissements de devis.
3. Principaux systèmes de construction.
  1. Généralités.
  2. Caractéristiques des principaux systèmes.
4. Calculs.
  1. Pièces comprimées; pression concentrique.
  2. Pièces fléchies, flexion simple.
  3. Flexion composée.
5. Constructions particulières et bâtiments industriels.
  1. Fondations.
  2. Bâtiments.
  3. Charpentes et toitures.
6. Ponts et viaducs.
  1. Ponts à travées droites.
  2. Ponts à poutres formant parapets.
  3. Ponts en arc.
7. Murs de soutènement, murs de quai et silos.
  1. Murs de soutènement et murs de quai.
  2. Silos.
8. Réservoirs, barrages, canalisations et divers.
  1. Réservoirs.
  2. Barrages, canalisations, aqueducs et tunnels.
  3. Divers.

ヨリ成リ此迄大ナル範圍ヨリ精ヲ抜キ華ヲ鍾メ克ク數百頁ニ  
約述セル方法頗ル其宜シキヲ得タリ殊ニ書中ニ收メタル各種  
築造物ノ局部明細圖ノ如キハ稀ニ見ルヲ得ヘキモノアリ鐵筋

混凝土ノ概要ヲ知ラントスルノ讀者ニ適スヘク又實務ニ從事セルノ士ノ好伴侶タルヘシ(柴田)

- Abbott, H.—Concrete pile standards. 59 P., 9×12. Hunley Abbott, 11 Pine Street, New York.
- Allen, C. J.—Modern British permanent way. 147 P. illustrated, 8×10, cloth. The Boswell Printing & Publishing Co., London. Price: 6 s. net.
- Balch, L. R.—Investigation of flow through four-inch submerged orifices and tubes. 31 P. 6×9. Bulletin 700, University of Wisconsin.
- Barber, T. W.—Civil engineering types and devices. 245 P. 6×9; 1760 illustrations, cloth. D. Appleton & Co., New York. 1915. (丸善賣價: 4.25 圓)
- Cadbury, G.—Town planning; with special reference to the Birmingham schemes. 198 P. Longman, Green & Co., New York. Price: \$ 2.25 net.
- Cardellach, F.—Philosophie des structures dans l'architecture et dans l'art de l'ingenieur. Un volume in-8° de 346 P. Dunod et Pinat, éditeurs, Paris. Prix: 7 fr. 50.
- Clarkson, R. P.—Practical talks on farm engineering. 223 P. 43 illustrations, 4×8, cloth. Doubleday, Page & Co., New York. Price: \$ 1. net.
- Conklin, C. D.—Structural steel drafting and elementary design. 154 P. 9½×12, cloth. John Wiley & Sons, New York. 1915.
- Cornish, V.—Waves of sand and snow and the eddies which make them. 383 P., Many illustrations from photographs and diagrams, 6×9, cloth bound. The Open Court Publishing Co., Chicago. Price: \$ 2.50. (丸善賣價: 5.00 圓)
- Daugherty, R. L.—Centrifugal pumps. 192 P. illustrated, 6½×9½, cloth. McGraw-Hill Book Co., New York. 1915. Price: \$ 2. net.
- Davis, G. J.—The flow over weirs with imperfect contractions. 73 P. 6×9. Bulletin 699, University of Wisconsin.
- Disney, H. W.—The law of carriage by railway. Fourth edition. 287 P. 9×5½, cloth. Stevens & Sons, London. 1915. Price: 7s. 6d. net.
- Eddy, H. T. and Turner, C. A. P.—Concrete and steel construction. Part I.

- Buildings. 438 P. Rogers & Co., Minneapolis.
- Edwards, F. B. & Baldwin, W.—Rapid transit railway and an interurban railway terminal. Report with plans and estimate of cost for the City of Cincinnati. 87 P.  $8\frac{1}{2} \times 11$ .
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- Folwell, A. P.—Sewerage. The designing, construction and maintenance of sewerage systems. Sixth edition, revised and enlarged. 506 P., 46 figures,  $6 \times 9$ , cloth. John Wiley & Sons, New York. 1915. 九善賣價: 5.50 圓
- Gibson, A. H. and Ritchie, E. G.—A study of the circular arc bow girder. Constable and Co., London. Price: 10 s. 6 d. net.
- Gullander, P.—Theory of foundation piling. (Teori för Grundpålning.) 80 P. 25 illustrations and one insert,  $6 \times 9$ . P. A. Norstedt & Söners Förlag., Stockholm. 2.25 kr. (60 cents) net.
- Hancock—Applied mechanics for engineers. Revised and rewritten by N. C. Riggs. .441 P., illustrated,  $5\frac{1}{2} \times 7\frac{1}{2}$ , cloth. The Macmillan Co., New York. Price: \$2.40.
- Hatt, W. K.—Flood protection in Indiana. Issued by the Indiana Bureau of Legislative Information, Bulletin No. 4.
- Hewes, L. I. and Glover, J. W.—Highway bonds; a compilation of data and an analysis of economic features affecting construction and maintenance of highways financed by bond issues, and the theory of highway bond calculations. 136 P.  $6 \times 9$ . Superintendent of Documents, Washington, D. C. Price: 25 cents postpaid.
- Holloway, T.—Levelling and its general application. (Revised by H. T. Tallack.) Third edition. E. and F. N. Spon, London. Price: 2 s. 6 d. net.
- Howe, F. C.—The modern city and its problems. 390 P.  $5\frac{1}{2} \times 8$ , cloth.

- Charles Scribner's Sons, New York. Price: \$ 1.50 net.
- Howe, M. A.—Masonry. A short text book on masonry construction, including description of materials used, their preparation and arrangement in structures. 160 P. 115 figures, 6×9, cloth. John Wiley & Sons, New York. 1915. Price: \$ 1.50 net. (丸善賣價: 3.00圓)
- Kershaw, G. B.—Sewage purification and disposal. 340 P. 56 illustrations, 6×9, cloth. G. P. Putnam's Sons, New York. Price: \$ 3.75.
- Killik, S. H. M.—Manual of Argentine Railways for 1915. 74 P.  $7\frac{1}{2} \times 5 \times \frac{1}{2}$ , cloth. Effingham Wilson, 54, Threadneedle Street, E. C. London. Price: 2 s. 6 d. net.
- Kuuz, F. C.—Design of steel bridges. Theory and practice for the use of civil engineers and students 472 P., illustrated, diagram and 52 plates,  $6\frac{1}{2} \times 9\frac{1}{2}$ , cloth. McGraw-Hill Book Co., New York. 1915. Price: \$ 5.00 net. (丸善賣價: 10.00圓)
- McCarty, R. J.—Federal valuation of railroad property. 103 P.  $5\frac{1}{2} \times 8\frac{1}{2}$ . Tiernan-Dart Printing Co., Kansas City, Mo.
- Mills, A. P.—Materials of construction. 682 P. 346 figures, 6×9, cloth. John Wiley & Sons, New York. 1915. Price: \$ 4.50 net.
- Moritz, E. A.—Working data for irrigation engineers. 395 P. 96 figures, many tables and diagrams, 6×9, cloth. John Wiley & Sons, New York. 1915. Price: \$ 4.00 net. (丸善賣價: 8.00圓)
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- Pepperman, W. L.—Who built the Panama Canal. 417 P., illustrated, 6×9, cloth. E. P. Dutton & Co. New York. Price: \$ 2.00 net.
- Richey, A. S.—Electric railway handbook. A reference book of practical data, formulas and tables for the use of operators and students. 832 P., illustrated, diagrams and tables,  $4\frac{1}{2} \times 7$ , limp leather. McGraw-Hill Book Co., New York. Price: \$ 4.00 net.

- Ripley, W. Z.—Railroads—finance and organization. 638 P.  $6\frac{1}{4} \times 8\frac{1}{2} \times 1\frac{1}{4}$ .  
Longmans, Green & Co., London. Price: 14 s. net.
- Roman, F. L.—Dust prevention. 40 P., illustrated,  $6 \times 9$ . Bulletin 6 of the  
Illinois Highway Department.
- Sakolski, A. M.—Some economic problems of railroad valuation. Reprinted  
from the American Economic Review, Vol. V, No. 1, March, 1915. 15 P.  
 $6\frac{1}{4} \times 9\frac{1}{4}$ . Published by the American Economic Association.
- 佐々木恒太郎, 高橋清藏—水力土木工事設計計算之彙 菊判洋  
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Longmans Green and Co., London. Price: 21 s. net.
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Bulletin No. 24. University of Illinois.
- Whipple, H.—Concrete stone manufacture. 255 P. 126 illustrations,  $4 \times 7$ ,  
flexible leather. Concrete-Cement Age Publishing Co., Detroit Mich.
- American Railway Bridge and Building Association: Proceedings of the 24th  
Annual Convention.—Chicago, Ill. 308 P., illustrated,  $6 \times 9$ . Price:  
\$ 1.00.
- Board of water engineers for the State of Texas. First report covering the  
period from Sept. 1, 1913, to Aug. 31, 1914. 47 P. 1 map,  $6 \times 9$ , Austin,  
Texas, Board of Water Engineers.
- Concrete roads and kerbs. Published by the Associated Portland Cement  
Manufacturers (1910) Ltd., Portland House, Lloyds Avenue, E. C.
- Engineering directory, 1915 edition. 2 volumes. Vol. I.: 893 P.  $4 \times 7$ ,

leather. Vol. II.: 468 P. 8×11, cloth. Crawford Publishing Co., Chicago.  
Price: \$ 6.00 postpaid.

Laxton's price-book for architects, builders, engineers and contractors, 1915.

Ninety-eighth edition. Kelly's Directories, London. Price: 4 s.

Measuring devices used in the delivery of irrigation water. Bulletin 247,  
Agricultural Experimental Station, Berkeley, Cal. 180 P., illustrated, 6×9.

National Association of Cement Users; Proceedings of the Eighth Annual  
Convention, March 11-16, 1912. Vol. VIII. 819 P., illustrated, 6×9,  
cloth. The American Concrete Institute, Philadelphia.

New York State Commission of Highway. Report for the year ended Dec.  
31, 1914. 53 P. 6×9. New York State Commission of Highway, Albany.  
Report of Committee on Statistics of Water Purification. 24 P. 6×9. New  
England Waterworks Association, Boston.

Report of the Chief of Engineers, U. S. A. 1565 P., tables and maps, 6×9.  
Government Printing Office, Washington.

Report of the State Engineer of Nebraska for 1913-1914. 2 volumes, cloth,  
6×9. Vol. I: 365 P., illustrated, Vol. II: 382 P., illustrated. Donald D.  
Price, State Engineer, Lincoln, Nebraska.

River and Lakes Commission of Illinois. Annual report, 1913-1914. 60 P.,  
illustrated, 6×9, cloth. River and Lakes Commission, Chicago.

The flow of water in irrigation channels. 68 P., tables and diagrams, 6×9.  
Bulletin 194. U. S. Department of Agriculture.

The official good roads year book of the United States. Edited by I. S.  
Pennybacker. 498 P., illustrated, 6¼×9¼, cloth. American Highway  
Association, Colorado Building, Washington.

The sanitary record and municipal engineering year-book and Empire directory  
of municipal authorities and officials for 1915. Thirty-third year. The  
Sanitary Publishing Co., London. Price: 5 s. 4 d., post free.

United States Coast and Geodetic Survey.—Description of its work, method  
and organization. Special publication 23, Department of Commerce. 56 P.,



illustrated, 6×9. U. S. Coast and Geodetic Survey, Washington, D. C.

## 内外諸雜誌主要題目

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第一號. 大正四年三月十五日.

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2. 瑞典諾威 = 於ケル水力電氣及電氣化學工業.
3. 水力發電所創設費 (其一)

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3. 熊本電氣黑川發電所概要.
4. 瑞典諾威 = 於ケル水力電氣.

### かはさき畫報

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第三卷. 第二十六號. 大正四年四月.

1. 家屋耐震構造要梗.

第四卷. 第二十七號. 大正四年五月.

1. 混凝土講話. (第四)
2. 王子製紙株式會社苫小牧分社貯水池新設工事設計書.

### 工 學

第二卷. 第三號. 大正四年三月十五日.

1. 鐵筋混凝土管ノ計算法. (一)
2. 工作物ノ基礎根入深ハ何程ニスヘキ乎.
3. 鋼橋梁ノ製作上設計ニ關スル注意. (三)