

# 新刊紹介

土木學會誌 第一卷第一號 大正四年二月

Barth, J.—Zementröhren: ihre Herstellung, Prüfung und Verwendung zu Kanalisationsanlagen. 228 S. Verlag der  
Tonindustrie-Zeitung G. m. b. H., Berlin 1914. (丸善實價 5.00 圓)

本書ハ、Ingenieur am Tiefbauamt Berlin-Weissensee タル著者カ多年ノ經驗ヲ基トセルモノニシテ

1. Die Herstellung von Zementröhren. Wirkung ätzender Flüssigkeiten und mechanischer

2. Die Querschnittformen der Zementröhren. Verletzungen.

3. Die Stossverbindungen der Zementröhren. 6. Die Anwendung der Zementröhren.

4. Die Prüfung von Zementröhren. 7. Die Anschachtung der Baugruben, die Ver-

5. Schutz von Zementrohrleitungen gegen die Ein- legung, Dichtung und Verfüllung der Leitung.

ニ就テ説ク所頗ル詳細ニ宣リ尙附録トシテ

1. Zerstörung eines Betonkanals durch schwefelsäure Moorwasser (Hauptkanal Osnabrück).

2. Zerfressene Zementrohre (Abwasserkanal in Schönebeck a. d. Elbe).

3. Literatur-Verzeichnis über

Roilstoffe, Herstellung und Verwendung der Zementröhren

Prüfung und Versuche.

ヲ載セリ類書中最良好著ノータルヲ失ハス(柴田)

Bravié, J.—Aide-mémoire de l'ingénieur-constructeur de béton armé. 387 P. H. Dunod et E. Pinat, Paris 1914. (丸

善實價 6.75 圓)

本書ハ

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1. Formules générales de mathématiques.
2. Principes généraux pour l'emploi et l'exécution du béton armé.
3. Circulaire ministérielle française sur l'emploi du béton armé.
4. Éléments du calcul des ouvrages en béton armé.
5. Calculs et plans d'ouvrages existants.
6. Vocabulaire technique en cinq langues.

≡ 9 成 ヲ A. Mesnager, Professeur a l'École des Ponts et Chaussées ノ 序 ノ 一 節 = 曰 ヲ

Les exemples concrets qu'il renferme sont d'une grande utilité pour permettre aux jeunes ingénieurs de se mettre au courant du sens de formules et de l'application des méthodes. Ceux qui ont de la pratique y trouveront aussi des indications utiles, parfois des procédés plus simples que ceux qu'ils utilisent. Les types de travaux existants leur rendront toujours grand service.

ト 移 シテ 以テ 本書 ノ 評 ト ス ヘ シ (柴田)

Brunton, D. W. and Davis, J. A.—Modern Tunneling: with Special Reference to Mine and Water-Supply Tunnels.

450 P. John Wiley & Sons, New York 1914. (尤 善 賣 價 7.00 圓)

類 書 = 乏 シ キ 本 問 題 = 關 シ テ 此 好 著 ラ 得 タ ル ハ 斯 界 ノ 幸 ナ リ 章 ヲ 分 ツ コ ト 十 八

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|-------------------------------------|---------------------------------------|
| 1. Introduction.                    | 6. Ventilation.                       |
| 2. The history of tunneling.        | 7. Incidental surface equipment.      |
| 3. Modern mining and water tunnels. | 8. Rock drilling machines.            |
| 4. Choice of power for tunnel work. | 9. Haulage.                           |
| 5. Air compressors.                 | 10. Incidental underground equipment. |

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| 11. Drilling methods.   | 15. Safety.                            |
| 12. Blasting.           | 16. Cost of tunnel work.               |
| 13. Methods of mucking. | 17. Bibliography.                      |
| 14. Timbering.          | 18. Appendix (Outline of tunnel data). |

以テ本書カ如何ニ多方面ニ接觸セルカラヲ窺フニ足ルヘク第二章ニ於テハ特ニ我日本ノ著名ナ  
ル隧道十四個ノ梗概ヲ掲ケリ各章共ニ最新智識ノ縮刷ト稱スヘシ(柴田)

Fowler, C. E.—A Practical Treatise on Sub-aqueous Foundation including the Cofferdam Process for Piers and  
Dredges and Dredging. 814 P. John Wiley & Sons, New York 1914. (丸善賣價 15.00 圓)

1898 年初版ノ The Cofferdam Process for Piers. 159 P. ハ 1905 年 Ordinary Foundations: including the Cofferdam  
Process for Piers. 314 P. ノ名ノ下ニ再版ニ附セラレシカ莫ニ昨年上記ノ書名ヲ以テ三版トナ  
リ獨リ頁數ニ於テ多大ノ増加アリシノミナラス其内容モ頗ニ面目ヲ改メ眞ニ up-to-date ノ者  
ナリ 目次ノ概要次ノ如シ

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| 1. Historical development.                       | 9. Open dredged caissons of timber.                    |
| 2. Construction and practice—Crib coffer-dams.   | 10. Timber pneumatic caissons.                         |
| 3. Construction and practice—Cribbs and canvas.  | 11. Steel pneumatic caissons, Forth Bridge.            |
| 4. Pile driving and sheet-piles.                 | 12. Divers and diving.                                 |
| 5. Jetting piles.                                | 13. Removing old piers.                                |
| 6. Construction with sheet piles (two Chapters). | 14. Pumping and dredging.                              |
| 7. Metal construction.                           | 15. Clam-shell dredges, Drill scows and rock breakers. |
| 8. Cylinders and caissons.                       | 16. Dipper and ladder dredges.                         |

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| 17. Suction and hopper dredges.                         | Ohio River movable dams.  |
| 18. Tugboats and scows.                                 | 2. Extracts from Topeka Melan arch bridge specifications.                                     |
| 19. The foundation (two Chapters).                      | 3. Extracts from Kaitte's masonry specifications.   |
| 20. Location and design of piers (two Chapters).        | 4. Specifications for steel coffer dam.   |
| 21. Rock fill foundations and quarries.                 | 5. Specifications for cement submitted to the American Society for Testing Materials.         |
| 22. Calculation of piers, footings and retaining walls. | 6. Metal sheet-piling.  |
| 23. Cement and concrete.                                | 7. Specifications for floating pile driver U. S. Engineers, Columbia River, Oregon.           |
| 24. Foundations for piers and wharves.                  | 8. United States Government specifications (59C1) for Portland cement.                        |
| 25. Timber piers and timber preservation.               | 9. Specifications (59C2) for concrete and concrete materials and mortar and mortar-materials. |
| 26. Foundations for dams, seawalls and breakwaters.     | 10. Specifications for creosoting piling.   |
| 27. Foundations for docks and locks.                    |   |
| 28. Forms for concrete.                                 |   |
| 29. Estimating the cost (two Chapters).                 |   |
| 30. Appendices—Selections from specifications.          |   |
| 1. Specifications for coffer dams and foundations.      |   |
- 書中大阪築港及神戸川崎造船所乾船渠ヲ記載セリ(柴田)  
 Jacoby, H. S. and Davis, R. P.—Foundations of Bridges and Buildings. 597 P. McGraw-Hill Book Co., New York  
 1914. \$5.00 (丸善賣價 10.00 圓)
- 昨年出版サレタル好著ノ一ニシテ
1. Timber piles and drivers.
  2. Driving timber piles.

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|---|--------------------------------------|
| 3. Bearing power of piles.                        | 1. Literature on foundations.        |
| 4. Concrete piles.                                | 2. Timber piles and pile driving.    |
| 5. Metal and sheet piles.                         | 3. Bearing power of piles.           |
| 6. Cofferdams.                                    | 4. Concrete piles                    |
| 7. Box and open caissons.                         | 5. Metal and sheet piles.            |
| 8. Pneumatic caissons for bridges (two Chapters). | 6. Cofferdams.                       |
| 9. Pneumatic caissons for buildings.              | 7. Box and open caissons.            |
| 10. Pier foundations in open wells.               | 8. Pneumatic caissons for bridges.   |
| 11. Ordinary bridge piers.                        | 9. Pneumatic caissons for buildings. |
| 12. Cylinder and pivot piers.                     | 10. Pier foundations in open wells.  |
| 13. Bridge abutments.                             | 11. Bridge piers.                    |
| 14. Spread foundations.                           | 12. Bridge abutments.                |
| 15. Underpinning buildings.                       | 13. Spread foundations.              |
| 16. Explorations and unit loads.                  | 14. Underpinning buildings.          |
| 17. Pneumatic caisson practice.                   | 15. Explorations and unit loads.     |
| 18. References to engineering literature:—        |                                      |
- ヨリ成リ就中杭打ニ關シテ 194 頁ヲ費セルカ如キハ “The undesirable features of considerable pile driving in this country have been due as much to the assumption that the art of pile driving is so simple that the aid of science is not essential, as to the attempt of some engineers to base the art upon theoretical rules which fail to take into account many practical factors of the problem” ヲ匡正セシトセル著者等ノ抱負ニ乖カサ

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ルヘク卷末ノ文書目錄ハ1913年以前ノ重要ナル事項ヲ周ク網羅セリ(柴田)

Barham, G. R.—*Masonry*. 184 P. Longmans, Green and Co.; London. 1914. (丸善賣價 1.25 圓)

Carey, A. E.—*The making of highroads*. 84 P. Crosby, Lockwood & Son, London.

Case, G. O.—*Coast sand-dunes, and spits and sand wastes*. St. Bride's Press, London. Price: 5s. net.

Cunningham, B.—*The dock and harbour engineers reference book*. Charles Griffin and Co., London, 1914. Price:

7s. 6 d. net. (丸善賣價 3.75 圓)

Dana, R. T.—*Hand-book of construction plant, its cost and efficiency*. 702 P. 300 illustrations and many tables.

Flexible leather,  $4\frac{1}{2} \times 7$ . The Myron C. Clark Publishing Co., Chicago. 1914. Price: \$ 5.00.

Dommer, A.—*Le pont Charles-Bessières, à Lausanne*. Une brochure in 4° de 37 P. avec 18 fig. F. Rouge, Lausanne.

Eastick, J. J.—*Filter and filter presses*. Translated from the German of F. A. Bühler. Norman Rodger, St. Dunstan's-

HILL, E. C., London. 1914. Price: 12s. net.

Ehlers—*Baru, Unterhaltung und Verteidigung der Flussdeiche*. Mit 54 Textabbildungen. Wilhelm Ernst & Sohn,

Berlin. 1914. Preis: geh. 3.20 M.

Authennietz, Ed.—*Technische Mechanik*. Ein Lehrbuch der Statik und Dynamik für Maschinen- u. Bauingenieure.

Julius Springer, Berlin. Zweite Auflage 1914. Preis: 18 M.

Ferguson, J. C.—*Ferguson's percentage trigonometry or plane trigonometry reduced to simple arithmetic, with a*

short description of his percentage compass. Longmans, Green and Co., London. Price: 3 s. 6 d. net.

Foerster, M.—*Taschenbuch für Bauingenieure*. Mit 3054 Fig. Julius Springer, Berlin. Zweite, verbesserte u. erweiterte

Auflage. 1914. Preis: geb. in einem Band 20 M., in Zwei Bänden 21 M.

Fox, A.—*The Mississippi River flood problem*. How the floods can be prevented. Leather bound, 64 P. 9×12,

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Gaebel, E.—*Bau und Berechnung gewölbter Brücken u. ihre Lehrgerüste*. Mit 56 Textabbildungen. Julius Springer,

Berlin. 1914. Preis: geh. 6 M., geb. 7 M.

Halsey, F. M.—*The railways of South and Central America*. 183 P.  $8\frac{3}{4} \times 6 \times \frac{3}{4}$  with three maps, cloth. Francis

Emery Fitch, 47, Broad Street, New York. 1914.

畑中健三—*土木建築工事請負便覧*. 大倉書店, 東京. 大正三年五月. 賣價 1.55 圓.

Hirai, I.—*Plate-girder construction*. 100 P. D. Van Nostrand Co., New York. Fifth edition, 1914. (丸善賣價 1.00 圓)

Howe, M. A.—*Influence diagrams for the determination of maximum moments in trusses and beams*. 65 P.  $6 \times 9$ , 42 illustrations, cloth. John Wiley & Sons, New York. Price: \$1.25.

Howe, M. A.—*Symmetrical masonry arches*. 245 P.  $6 \times 9$ , cloth. John Wiley & Sons, New York. Price: \$2.50.

Hoyt, J. G. and Grover, N. C.—*River discharge*. 183 P.  $6 \times 9$ , 38 text fig., 10 plates, cloth. John Wiley & Sons. 3rd. edition. Price: \$2.00 net.

石川源二—*燈臺*. 高島印刷所, 東京. 大正三年八月. 賣價 3.50 圓.

石丸文雄—*森林土木工學全書第二卷木工積工土地形編*. 丸善株式會社, 東京. 大正三年十月. 賣價 2.00 圓.

Ives, H. W.—*Surveying manual*. John Wiley & Sons, New York. Price: \$2.25 net.

Jones, E. H.—*Unit construction costs*. McGraw-Hill Book Co., New York. Price: \$2.00 net.

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Kemmann, G.—*Vorstudien zur Einführungen des selbsttätigen Signalsystems auf der Berliner Hoch- und Unt* ergrund-

- bahn. 4<sup>e</sup>, 53 Seiten mit vier Tafeln und 31 Textabbildungen. Julius Springer, Berlin. 1914. Preis: 8 Fr.
- 君島八郎—君島大測量學. 下卷. 丸善株式會社. 東京. 大正三年一月. 賣價 2.10圓.
- Latham, E.—The maintenance of foreshores. Crosby Lockwood & Son, London. Price: 2 s. net.
- Magny, A. V.—Le construction en béton armé: Theorie et pratique. Charles Béanger, Paris et Liège. 1914. Prix: 20 fr.
- Marcus, H.—Der doppelt gekrümmte Träger und das schiefe Gewölbe im Eisenbetonbau. Mit 23 Textabbildungen. Wilhelm Ernst & Sohn, Berlin. 1914. Preis: geh. 2.80 M.
- Marry, R.—Guide élémentaire du conducteur de travaux de chemins de fer. Dunod & E. Pinat, Paris. 1914. Prix: br. fr. 7.50; cart fr. 8.75.
- Martin, L. A., Jr.—Hydraulics. Being Vol. V. of the text-book of mechanics. John Wiley & Sons, New York. Price: \$1.50 net.
- Mawer, E. R.—Technical mechanics. 6×9, 356 P. 547 fig., cloth. John Wiley & Sons, New York. 3rd edition. Price: \$2.50 net.
- Melan, J.—Der Brückenbau. II Band, I Hälfte. Eisernen Brücken. I Teil. Mit 484 Abbildungen im Text. Franz Deuticke, Leipzig u. Wien. Preis: geh. 16 M.
- 諸戸北郎—製圖ノ凡例及雛形. 三浦書店. 東京. 大正三年九月. 賣價 1.35圓.
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- 大竹太郎—技術者用高等數學. 電友社. 東京. 大正三年九月. 賣價 1.70圓.



- Ormsby, F. M.—Elementary principles of surveying. D. Van Nostrand Co., New York. Price: \$ 1.50 net.
- Peirce, C. A. and Carver, W. B.—Handbook of formulas and tables for engineers. 168 P. McGraw-Hill Book Co., New York. Price: \$ 1.50 Post paid.
- Phillips, E.—Trouts in lakes and reservoirs. Longman, Green and Co., London. 1914. Price: 2 s. 6 d. net.
- Pickels, G. W.—Text-book on railroad surveying. John Wiley & Sons, New York. Price: \$ 2.50 net.
- Record, S. J.—Mechanical properties of wood. 166 P. 6×9, cloth. John Wiley & Sons, New York. 1914. (丸善賣價 3.50 圓)
- Ries, H. and Watson, T. L.—Engineering geology. 672 P. 6×9, 225 fig., 104 plates, cloth. John Wiley & Sons, New York. 1914. Price: \$ 4.00 net.
- 阪岡末太郎—最新鐵道工學講義 第六卷及第七卷 裳華房 東京 大正三年 賣價第六卷 1.35 圓, 第七卷 1.25 圓.
- 關場茂樹—標準橋梁仕様書 丸善株式會社 東京 大正三年九月 賣價 1.10 圓.
- Schacht, A.—Die Einzelans-Wasserversorgung. Leitfaden für Architekten, Ingenieure, Pumpenfabrikanten, Wasserleitungs-Installateure und Brunnenbauer. Mit 63 Textfiguren. Julius Springer, Berlin. 1914.
- Sharp, J.—Some considerations regarding cast-iron and steel pipes. Longmans, Green & Co., London. Price: 4 s. 6 d. net.
- Shone, I.—Sewage-drainage systems. 458 P. E. & F. N. Spon, London. 1914. (丸善賣價 12.50 圓)
- Simons, T.—Compressed air. 174 P. McGraw-Hill Book Co., New York. 1914. (丸善賣價 3.00 圓)
- Sprague, E. H.—Hydraulics. Scott, Greenwood and Sons, London. 1914. 3 s. 6 d. net.
- Van der Kloes, J. A.—A manual for mason, bricklayers, concrete workers, and plasterers. J. and A. Churchill,

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- London. 1914. Price 8 s. 6 d. net
- Van Ornum, J. L.—The regulation of rivers. 394 P. McGraw-Hill Book Co., New York. 1914. (丸善賣價 8.00 圓)
- Wallace, W. M.—Hydraulics. The Technical Publishing Co., London. 1914. 4 s. net.
- Weyrauch, R.—Über Belagungspläne und Entwässerungsanlagen von mittleren und kleineren Städten. Mit 30 Figuren. Konrad Wittwer, Stuttgart. 1914. Preis: geb. 3.50 M.
- Whipple, G. C.—The microscopy of drinking water. John Wiley & Sons. New York. 3rd edition 1914. (丸善賣價 8.00 圓)
- Widsoe, J. A.—The principles of irrigation practice. 496 P. The Macmillan Co., New York. 1914. (丸善賣價 3.50 圓)
- Zink, F. A.—Der Reichbau. Mit 133 Textfiguren u. 3 Tafeln. Julius Springer, Berlin. 1914. (丸善賣價 5.00 圓)
- Handbuch der Ingenieurwissenschaften. Dritter Teil: Der Wasserbau. Achter Band: Die Schiffschleusen. Mit 411 Textabbildungen, vollständigen Sachregister u. 12 Tafeln. Wilhelm Engelmann, Leipzig und Berlin. 1914. (丸善賣價 13.50 圓)
- Handbuch der Ingenieurwissenschaften, Fünfter Teil: Der Eisenbahnbau, Viertes Band: Anordnung der Bahnhöfe. Zweite Abt. Mit 539 Textabbildungen, Sachregister u. 15 lithographierten Tafeln. Wilhelm Engelmann Leipzig und Berlin. 1914. (丸善賣價 17.00 圓)
- 建築用本邦産木材及石材: 第一編木材ノ部. 元大藏省臨時建築部編纂. 須原屋書店, 東京. 賣價 3.60 圓.
- 東京市ノ橋梁圖面第一. 彈正橋新大橋鍛冶橋. 橋梁圖刊行會編纂. 雄文館, 東京. 大正三年十一月. 賣價 2.10 圓.