

**Hydro-Electric Power Commission of the Province of Ontario.**—Ninth annual report for the year ended October 31st, 1916, Vol. I.

**Ymir Mining Camp, British Columbia.**—By Charles Wales Drysdale. Memoir 94, No. 76, Geological Series, Department of Mines, Canada.

**Geology of Graham Island, British Columbia.**—By J. D. Mackenzie. Memoir 88, No. 72, Geological Series, Department of Mines, Canada.

**Concrete Highway Bridges, Ontario, 1917.**—General specifications. Appendix to the Annual Report on Highway Improvement, Ontario, 1917.

**Canadian Woods for Structural Timbers.**—Bulletin No. 59, Forestry Branch, Department of the Interior, Canada. R. H. Campbell, Director of Forestry.

**Chlorinators at Dunwoodie.**—Reprint by Wallace & Tiernan Co., Inc., New York City, of article by T. D. L. Coffin in the "Engineering News." Seven pages and five illustrations.

**Earth, Sand-Clay and Gravel Roads.**—By Charles H. Moorefield, Senior Highway Engineer. Bulletin No. 463. Issued by the United States Department of Agriculture, Washington.

**Conservation of Life, Public Health, Housing and Town Planning.**—Forty-eight-page pamphlet, issued by the Commission of Conservation, Ottawa, dealing for the most part with Ontario problems.

**The Tractive Resistance on Curves of a 28 ton Electric Car.**—By Edward C. Schmidt and Harold H. Dunn. Bulletin No. 92, Engineering Experiment Station, University of Illinois, Urbana, Ill. Price, 25 cents.

**Province of Nova Scotia.**—Annual report of the Highways Division of the Department of Public Works and Mines and of the subsidized railways for the year ended September 30th, 1916. By Hiram Donkin, C.E., Road Commissioner and Provincial Engineer, Halifax.

**Durability of Stucco and Plaster Construction.**—By R. J. Wig, J. C. Pearson and W. E. Emley. Technologic Papers No. 70 of the Bureau of Standards, Department of Commerce, Washington, D.C., being a progress report, containing results of investigations up to April, 1916.

**International Joint Commission.**—Hearing and argument in the matter of the application filed August 28th, 1916, of the International Lumber Co. for approval of the obstruction of the waters of the Rainy River at International Falls, Minn. Published by the United States Government, Washington, D.C.

**Water Powers of Manitoba, Saskatchewan and Alberta.**—By Leo G. Denis and J. B. Challies. Published by the Commission of Conservation, Canada. This report is the second in the series on water-powers in Canada to be published by the Commission of Conservation. The third volume, "Water Powers of British Columbia," which is now in press, will complete the Commission's general inventory of this item of the Dominion's natural wealth.

**Paving Economy—Road and Street.**—By Charles A. Mullen, Director of Paving Department, Milton-Hersey Co., Montreal, Que. Paper, 5½ x 8½ ins., 98 pages and cover. Industrial and Educational Press, Montreal. Price, \$1. This is a treatise on the financial side of road and street work, with particular reference to standardization of pavements. The author deals with many problems that the practical highway engineer is likely to meet with in everyday practice. There is also a great deal of useful

advice for those who are most directly responsible for the financing of road work, and who find themselves in need of a working knowledge of pavement values.

## CATALOGUES RECEIVED.

**Corr-Mesh.**—Catalogue issued by the Corrugated Bar Co., of Buffalo. Includes designing tables, graphical construction details, specifications, and photos showing methods of handling and erecting the material.

**Spraco Products.**—Bulletin No. 501, issued by the Spray Engineering Co., 93 Federal Street, Boston, Mass. Contains 15 pages, is well illustrated, and is a condensed summarization of the principal Spraco developments.

**Hayward Buckets.**—Catalogue 43, issued by the Hayward Co., 50 Church Street, New York. Contains 80 pages, is well illustrated, and is a very comprehensive catalogue upon the subject of digging and rehandling buckets.

**The Puzzle of Prosperity and Its Solution.**—Booklet issued by the Department of Publicity of W. S. Barstow & Co., Inc., Sandusky, Ohio, containing photographs of some of the construction work accomplished by the company.

**How Better Lighting Yields You More Profits.**—Twenty-four-page illustrated booklet, issued by the National X-Ray Reflector Co., 21 West 46th Street, New York, describing their system of X-Ray engineered lighting.

**Prentiss Vises.**—Illustrated catalogue No. 50, issued by the Prentiss Vise Company, 110 Lafayette Street, New York City. Contains 72 pages, and describes fully the complete line of vises manufactured by the company, together with price list.

**Regarding Ballast Plant.**—A unique circular—part circular, part letter—by the Traylor Engineering & Mfg. Co., of Allentown, Pa., regarding ballast plant equipment; discussing gyratory and jaw crushers, also screening, elevating and conveying equipment.

**Riveting Machines.**—Forty-page catalogue of the John F. Allen Co., of New York, on portable pneumatic, compression and hammer riveting machines. Adequately illustrated and very readable, being well arranged with illustrations on left-hand pages and descriptions on facing right-hand pages.

**Why?**—This latest publication of the Wallace & Tiernan Co., Inc., 137 Centre Street, New York, contains a great many facts that will be found of interest to the sanitary engineer, and, in fact, to all those who are concerned as to the purity of water supply, either for industrial or municipal purposes.

**The Clay Pipe Book.**—Issued by the International Clay Products Bureau. Pamphlet of 42 pages, containing interesting information concerning the merits of vitrified sewer pipe. Some interesting tables are included showing the capacities of vitrified pipe, methods to be employed in laying pipe, etc. Illustrated.

**Iroquois Asphalt Repair Wagons.**—Bulletin No. 5 of the Barber Asphalt Paving Co.'s Iroquois Works, Buffalo, N.Y. Four pages, six illustrations. This wagon is capable of supplying material for patching from 50 to 75 sq. yds. a day. Weighs two tons. Used to remelt old asphalt or cakes of new mixture, for heating sand and stone with a.c., or as a sand or stone dryer, or as a substitute for melting kettle.