

**Quebec Public Utilities Commission.**—Seventh annual report for the year ending June 30th, 1916.

**City of Halifax, N.S.**—Report of the city engineer for the civic years, 1913-14, 1914-15 and 1915-16.

**Report on the Main Drainage and Sewage Disposal.** of the area tributary to Jamaica Bay, city of New York.

**City of Worcester, Mass.**—Annual report of the Street Commissioner for the year ending November 30th, 1916.

**Specifications for Bituminous Materials.**—Publication No. 24. Issued by the Ontario Department of Public Highways.

**University of Pennsylvania Engineering Alumni Society.**—By-laws, annual report and list of members, April, 1917.

**The Value of Peat Fuel for the Generation of Steam.**—By John Blizard, B.Sc. Bulletin No. 17, Department of Mines, Canada.

**Sun Oils.**—Volume VII. Marine number. Illustrated booklet. Issued by the Sun Co., 1428 South Penn Square, Philadelphia.

**The Drainage of Irrigated Farms.**—By R. A. Hart, senior drainage engineer. Bulletin No. 805, Department of Agriculture, Washington, D.C.

**Mining Operations for Gold, Coal, etc., in the Province of British Columbia.**—Annual report of the Minister of Mines for the year ending December 31st, 1916.

**American Wood-Preservers' Association.**—Report of proceedings of the thirteenth annual meeting, held in New York City, January 23rd, 24th and 25th, 1917.

**Geology of a Portion of the Flathead Coal Area of British Columbia.**—By J. D. MacKenzie. Memoir 87, Geological Series No. 73, Department of Mines, Ottawa.

**Permissible Explosives, Tested Prior to January 1st, 1917.**—By Spencer P. Howell. Technical Paper 169. Issued by the Bureau of Mines, Department of the Interior, Washington, D.C.

**Occurrence and Mitigation of Injurious Dusts in Steel Works.**—By J. A. Watkins. Technical Paper 153. Issued by the Bureau of Mines, Department of the Interior, Washington, D.C.

**Recent Construction Work.**—A 16-page booklet, 6 x 9 ins. Issued by Ford, Bacon & Davis, consulting engineers, New York, descriptive of double-deck wharf house built at Galveston, Texas.

**Properties of the Calcium Silicates and Calcium Aluminate Occurring in Normal Portland Cement.**—By P. H. Bates and A. A. Klein. Technologic Paper No. 78 of the Bureau of Standards, Washington, D.C.

**Strength and Other Properties of Concretes as Affected by Materials and Methods of Preparation.**—By R. J. Wig, G. M. Williams and E. R. Gates. Technologic Paper No. 58 of the Bureau of Standards, Washington, D.C.

**The Mining Industry in the Territory of Alaska during the Calendar Year, 1915.**—By Sumner S. Smith, United States mine inspector for Alaska. Bulletin No. 142, Bureau of Mines, Department of the Interior, Washington, D.C.

**Photomicrographic Apparatus.**—Twenty-three-page booklet. Issued by Sauveur & Boylston, metallurgical engineers, Cambridge, Mass., giving descriptions, illustrations and prices of their different types of photomicrographic apparatus.

**Elevator Map of Manitoba, Saskatchewan and Alberta.** Shows location and capacity of elevators throughout the three Prairie Provinces. 1917 edition. Issued by

the Natural Resources Intelligence Branch, Department of the Interior, Canada.

**Limits of Complete Inflammability of Mixtures of Mine Gases and of Industrial Gases with Air.**—By George A. Burrell and Alfred W. Gauger. Technical Paper 150. Issued by the Bureau of Mines, Department of the Interior, Washington, D.C.

**Street Railway Negative Return System for the Mitigation of Electrolysis.**—By L. A. Herdt, M.Can. Soc.C.E., and E. G. Burr, A.M.Can.Soc.C.E. Paper read before a sectional meeting of the Canadian Society of Civil Engineers, April 19th, 1917.

**Boiler-House Elevators.**—A well-illustrated 30-page booklet, size, 7 x 9½ ins., distributed by Ed. Bennis & Co., Limited, 28 Victoria Street, Westminster, London, S.W. 1, England, illustrating and describing a number of Bennis labor-saving devices for boiler-houses.

**The Mining Industry in that Part of Northern Ontario Served by the Temiskaming and Northern Ontario Railway.**—By Arthur A. Cole, mining engineer. Appendix to the annual report of the Temiskaming and Northern Ontario Railway Commission for the calendar year, 1916.

**Vulcan.**—No. 1, Vol. I., of a new house organ. Published by the Vulcan Steel Products Co., of New York. Devoted to steel export trade. Printed in three colors, 9 x 12 ins., 16 pages. This issue contains an article on the history of steel-making and an article on trade with Brazil.

**Problems of St. Louis.**—A description, from the city planning standpoint, of past and present tendencies of growth, with general suggestions for impending issues and necessary future improvements. By Harland Bartholomew, engineer. Issued by the City Plan Commission, St. Louis, Mo.

**Specifications for Bituminous Materials.**—An eight-page pamphlet, 6 x 9 ins. Published by the Department of Public Highways, Parliament Buildings, Toronto, and containing specifications for light, medium and heavy asphaltic road oils, asphalt binders, refined coal tar binders, and refined coal tars, cold and hot application.

**Concrete Ships.**—Thirty-six-page booklet, 6 x 9 ins., distributed free by the Portland Cement Association, 111 West Washington Street, Chicago. Contains photographs and drawings of various types of concrete ships in successful use, including the barge "Pioneer," used in the Welland Canal. Reviews the history of concrete shipbuilding, costs, merits, etc. Brief bibliography on the subject.

**Concrete Roads.**—Thirty-page report, 5½ x 8½ ins. Published by St. Bride's Press, Limited, London, England. Price, 6d. By H. Percy Boulnois, formerly city engineer of Liverpool, and past-president of the Institute of Municipal and County Engineers. Report reviews the present position and future of concrete roads in England. Was prepared under the direction of the Road Improvement Association. It also reviews United States and Canadian methods of concrete road-building.

**Bituminous Surfaces for Macadam Roads.**—Twenty-two-page and cover booklet, 6 x 9 ins. Issued by the Department of Public Highways, Parliament Buildings, Toronto, reviewing the selection of bituminous materials and the methods of testing. The author is G. Cameron Parker, M.A.Sc., assistant engineer of the department. Fourteen of the most prominent tests for determining quality of bituminous materials are described in detail, and the necessary apparatus for the tests is illustrated.