

Smithsonian Institution.—Annual report for 1913, showing operations, expenditures, etc., for the year. 804 pp.; illustrated; 6 x 9 ins.; cloth. Contains detailed reports by those in charge of the various scientific activities of the Institution.

Railway Belt Hydrographic Survey.—Water Resources Paper No. 1 of the Water Power Branch, Department of the Interior. Report for 1911-12, prepared by P. A. Carson, D.L.S., chief engineer. 551 pp.; numerous maps, diagrams and tables.

Aluminium Facts and Figures.—A book 4 x 6½ ins. in size, loose leaf, with leather binding, containing some very useful tables relating to aluminium round rod, wire, strand, cables, fuse wire, connectors, tappings, strip, sheets, tubes and sections. Price, 90 cents.

San Francisco-Oakland Cantilever Bridge.—By Charles Evan Fowler. Published by the author, 1915. 18 pp.; illustrated by photos and diagrams; 6 x 9 ins.; bound in paper. Price, 50 cents. It contains a complete description of the designs prepared by the author for the above bridge. It also contains editorials from a number of engineering journals commenting upon the designs. Illustrations are included of numerous other bridges designed by the author.

CATALOGUES RECEIVED.

Terry Turbines for Pump Drive.—A 64-page descriptive catalogue, issued by the Terry Steam Turbine Company, Hartford, Conn., illustrating types for various services, capacities, dimensions, etc.

Barrett's Paving Pitch.—A 40-page illustrated booklet, issued in Canada by the Paterson Manufacturing Co., describing this plastic waterproof filler and its application in the construction of brick or block pavements.

Pebbles Motor Converters.—A pamphlet devoting twenty pages, with up-to-date illustrations and explanatory diagrams, including characteristic curves, etc. The pamphlet is issued by Bruce Pebbles and Co., Limited, Edinburgh, Scotland.

Automatic Sewage Ejectors.—Catalogue 17 of the Pacific Flush-Tank Company, Chicago and New York, describing this type of ejector and its appurtenances. Well illustrated to show various arrangements and complete with tables of capacities, etc.

Ice Tools, Elevators and Conveyers.—1915 catalogue of the Difford-Wood Company, Limited, Hudson, N.Y., describing ice elevators, conveyers, tools, lowering machines and other icing station equipment. Fully illustrated with plates and diagrams. 180 pages.

Water Meter Rates and Regulations.—A 12-page illustrated booklet, published January, 1915, by the Buffalo Meter Company, containing some useful information on how to establish a meter rate, high and low rates of 709 waterworks, model meter regulations, etc.

Concrete Road Appurtenances.—A 16-page leaflet issued by the Trussed Concrete Steel Co. of Canada, Limited, Walkerville, Ont., describing the Kahn steel expansion joint protectors, armor plates and installing devices, pavement reinforcing curb bars, and steel side forms. Illustrated.

Cochrane Multiport Valves.—A 72-page catalogue from the Harrison Safety Boiler Works, Philadelphia, describing this type of valve, introduced for back-pressure relief and vacuum service, flow service in connection, with mixed flow turbines, and check-valve service with bleeder or extraction turbines.

Patent Steel Pipes.—A very interesting 42-page illustrated booklet, issued by Stewarts and Lloyds, Limited,

Glasgow, describing the material, dimensions, joints, coatings, etc., of steel pipes for gas, water, sewage, etc. It includes standard specifications for steel pipes, notes on corrosion and on costs of laying.

Swing Hammer Pulverizers.—A 40-page bulletin, No. 147, issued by the Jeffrey Manufacturing Co., Columbus, O., giving full information regarding capacities, speeds, horsepower, general dimensions, etc. Also Bulletin No. 143, issued by the same firm, relative to malleable and steel elevator buckets. 19 pp.; illustrated.

Cast-Iron Pipe.—A handsomely-illustrated, printed and bound, 222-page catalogue, published by the United States Cast-iron Pipe and Foundry Co., Burlington, N.J., containing much information of interest to engineers, contractors and municipal and industrial officials relative to cast-iron pipe of various kinds, its protection, types of joints, jointing materials, etc. It contains tables of dimensions and weights for both Bell and Spigot pipe and flanged fittings for different purposes. Specifications of the American Waterworks Association and of the American Gas Institute, for pipes and specials, are also included, in addition to miscellaneous tables most useful to the engineer.

PERSONAL.

J. FRATER TAYLOR, president of the Algoma Steel Corporation, gave a very interesting address before the Sault Ste. Marie Board of Trade upon the prospect and advantages of a deep waterway between that city and Atlantic ports.

GERALD O. CASE, Civil Engineer, Vancouver, was recently elected a member of the Council of the Society of Engineers of Great Britain, and not a member of the Institution of Civil Engineers, as stated in our issue of January 14th.

ARTHUR N. JOHNSON, M. Am. Soc. C.E., Highway Engineer, Bureau of Municipal Research, New York City, on February 5th delivered a lecture on "Methods of Cost-Keeping for Highway Engineers and Contractors" before the graduate students in highway engineering at Columbia University.

E. M. BREED, who for the past eight years has been district manager of the Canadian Allis-Chalmers, Limited, with headquarters at Vancouver, has been appointed district manager of the Pelton Water Wheel Company. He will continue his headquarters at Vancouver. Mr. Breed is a graduate of the University of Maine, College of Technology, and is a member of the American Institute of Electrical Engineers. Previous to becoming manager for the Canadian Allis-Chalmers Company, he was with the sales force of the Canadian Westinghouse Company at Montreal.

OBITUARY.

The engineering press of Great Britain has recently reported the death of Mr. Edgar Allen, founder of the Edgar Allen Library of Sheffield University, and president of the firm of Edgar Allen and Co., founded in 1868 for the manufacture of steel.

The death occurred in Hamilton last week of Mr. James A. Woodland, superintendent of construction for the Hamilton Hydro-Electric Department.

An explosion of dynamite in the process of thawing caused the death of Mr. William Feaver, a resident engineer at North Bay for the Canadian Northern Railway. The accident occurred at a construction camp near Sturgeon Falls.