

The Inflammability of Coal Dust.—Bulletin 50, of the United States Bureau of Mines, comprises the results of laboratory experiments by Messrs. J. C. W. Frazer, E. J. Hoffman, and L. A. Scholl, Jr.

Report of Nelson P. Lewis, Chief Engineer of the Board of Estimates and Apportionment of the City of New York for the year 1912. It is a volume of 300 pages, including 37 tables, together with various maps, etc.

Hamilton.—A 340-page book, published by Herbert Lister, Hamilton, Ont., descriptive of the city, its history, commerce, industries, and resources, and published in connection with the Centennial Industrial Exhibition held recently.

The Geology of the Gowganda Mining Division.—Memoir No. 33 of the Geologic Survey Branch, Department of Mines, Ottawa. It is a 120-page book, supplemented with maps and photographs covering the general and economic geology of the district.

Society of Railway Club Secretaries.—A 24-page booklet, indexing the papers and subjects discussed by railway clubs during the year ending May 31st, 1913. The secretary of the Society is Harry D. Vought, New York and Central Railway Club, New York City.

The Theory of Loads on Pipes in Ditches, and Tests of Cement and Clay-Drained Tile and Sewer Pipe.—Bulletin No. 31, Engineering Experiment Station, Iowa State College of Agriculture and Mechanic Arts. The authors are A. Marston and A. O. Anderson.

Mineral Production of Canada.—Bulletin No. 238, Mines Branch, Department of Mines, Ottawa, contains a general summary of the mineral production of Canada, 1912, compiled by John McLeish, B.A., Chief of the Division of Mineral Resources and Statistics.

The Textile Industry and the Tariff.—An address by A. F. Greene, delivered to the National Association of Cotton Manufacturers by Mr. Greene, retiring president. Published in booklet form by Lockwood, Greene Company, architects and engineers for industrial plants, Boston and Montreal.

Le District D'Ungava, Le Nouveau Quebec.—231 pages, 7½ x 10½ inches, illustrated, with map appended. Extracts from reports on the district of Ungava, recently annexed to the Province of Quebec. Published by the Bureaus of Mines and Fisheries, under the authority of the Minister, the Hon. C. R. Devlin.

Report on the Health of the City of Manchester, 1912.—203 pages, 6 x 10 inches, dealing with notified infectious diseases, and the work done to combat these under the various branches of the department of health. Issued by James Niven, M.A., M.B., LL.D., under the authority of the Department.

Commerce and Finance of the United States.—105 pages, 10 x 12 inches. Monthly summary of the foreign commerce of the United States, and of tables of commercial finance for July, 1913. Issued by the United States Bureau of Foreign and Domestic Commerce. A. H. Baldwin, Chief of Bureau, and O. P. Austin, Assistant Chief.

Oil and Gas Prospects of the North-west Provinces.—99 pages, 7 x 9 inches, with illustrations and map. Discusses the character of the district, and its general and economic geology. Published by Wyatt Malcolm, and by authority of the Hon. Robert Rogers, Minister of the Dominion Government Department of Mines.

Analyses of Coal.—Bulletin No. 22 of the Bureau of Mines, Department of the Interior, Washington, D.C. It is published in two volumes, Part I. of 320 pages, dealing with the analyses of coals in the United States, collected over a period of six years; and Part II., of 1,200 pages, dealing with descriptions of the various samples.

Forest Products of Canada—Poles and Cross-Ties.—A 16-page pamphlet published by the Forestry Branch, Department of the Interior, as Bulletin 39, containing statistics, compiled by R. G. Lewis, B.Sc.F., based upon reports from 389 companies, representing 95 per cent. of the wooden-pole users in Canada, concerning their purchases for 1912.

The Titaniferous Iron Ores in the United States.—First edition, June, 1913. Illustrated, 145 pages, 6 x 9 inches. Discusses the chemical composition of titaniferous iron ores, the economic importance of the deposits, and their character, situation, and possibilities. Published by Joseph T. Singewald, Jr., by authority of the United States Government Bureau of Mines.

Oil and Gas Prospects of the North-West Provinces of Canada.—Memoir No. 29E of the Geological Survey of Canada. Compiled by Wyatt Malcolm, and containing full information concerning the geological formations in that portion of the Dominion, comprising practically all of the Provinces of Manitoba, Saskatchewan and Alberta. The report occupies 100 pages, and is supplemented by tables and maps.

Report, Minister of Lands, Forest and Mines, Ontario.—This report for the year ending October 31st, 1912, deals with the management, etc., of the Crown Lands of the Province of Ontario. It includes returns, statements of sales, of revenues, receipts and disbursements, timber dues, municipal surveys, Crown surveys, etc., etc. Several appendices are devoted to the construction of roads in Northern Ontario, and Mr. J. F. Whitson's report is included.

Wood-using Industries of Ontario.—Bulletin No. 36, Forestry Branch, Department of the Interior, Ottawa. It is compiled by R. G. Lewis, B.Sc.F., and contains an account of the quantity, value and source of supply of the different kinds of wood used by the industries of Ontario. It includes detailed descriptions of the different classes of industries, and the properties of the woods used. A classified directory of manufacturers is appended.

Long Sault Rapids, St. Lawrence River.—By Arthur G. White, M.E., Engineer to the Commission of Conservation, Canada. This is an engineering report upon the rapids, containing an inquiry into the constitutionality of the Long Sault Development Company's charter, and into the effect on navigation, and the general advantages or disadvantages accruing to the people of Canada from the project to develop electric power from these rapids. The volume comprises 384 pages. It is accompanied by about 25 illustrations and maps. This is the Commission's report upon a question which was dealt with editorially in Sept. 4th issue of this journal.

Precise Levelling is the title of a publication of the Dominion Observatory, Ottawa; W. F. King, C.M.G., LL.D., Director. Mr. F. B. Reid, D.L.S., is the author. The report deals with the results of precise levelling done by the Geodetic Survey as far as they are ready for publication at the present time. Table I. outlines the routes followed between terminal points, and describes all bench-marks established. Table II. gives the distances between bench-marks; the difference between forward and backward levelling for each section between bench-marks; the elevations of the bench-marks; and the elevation also of bench-marks established by other surveys and connected with Geodetic Survey work. Table III. gives the elevations at railway stations along different lines of levels. The publication is supplemented by several maps descriptive of the routes.

American Society for Testing Materials, Index to Proceedings, Vols. I.-XII.—158 pages, 6½ x 9 inches. An index of the contents of Vols. I.-XII. of the proceedings of the American Society for Testing Materials, excluding only portions which relate to routine business. From 1898 to 1902, the society issued 28 bulletins, and these have been compiled as Vol. I. From 1902 to 1913, the association has issued a report of its proceedings annually, and these successive reports have been published separately in Vols. II.-XII.