

miners in rendering aid to injured fellow-workmen. Issued by the Bureau of Mines, Department of the Interior, Canada.

Tide Tables for the Pacific Coast.—By W. Bell Dawson, Superintendent, Tidal and Current Survey, Department of Naval Service, Canada. The Bulletin gives complete tide tables for the year 1914, and includes Fuca Strait, the Strait of Georgia and the Northern Coast. It also contains data of Slack Water in the navigable passes and narrows, with information on currents.

Tide Tables for the Eastern Coasts of Canada.—By W. Bell Dawson, Superintendent of the Tide and Current Survey in the Department of the Naval Service of the Dominion of Canada. The bulletin gives complete tide tables for the year 1914, and includes the River and Gulf of St. Lawrence, the Atlantic Coast, the Bay of Fundy, Northumberland and Cabot Straits. It also contains information on currents.

Forest Products of Canada, 1912.—Bulletin No. 40, Forestry Branch, Department of the Interior, Canada, compiled by R. G. Lewis, B.Sc.F. The bulletin contains an account of the quantity of wood manufactured into lumber in the Dominion and the various provinces for the year 1912. Tables are also given showing the quantities and value of the different kinds of wood manufactured into lumber during the year specified.

Arguments for and Against Train Crew Legislation.—A 38-page bulletin, published by the Bureau of Railway Economics, Washington, D.C., dealing with the much-talked-of subject of the regulation of train crews, giving the history and present status of train operation, the provisions of the measures enacted and proposed for "full crew" legislation, and a discussion of the effect that such legislation would have upon the efficiency and safety of transportation.

Working of Steam Boilers.—147-page book, fifth edition, well illustrated, and indexed. Published for those in charge of, and responsible for, the working of steam boilers insured with "The National Boiler and Insurance Company," giving directions essential to safety, and also precautions necessary for satisfactory working and for the prevention of undue deterioration of the steam-raising plant. Issued by Edward G. Hiller, B.Sc., M.I.C.E., M.I. Mech. E., Chief Engineer, the National Boiler and General Insurance Company, Limited, Manchester, Eng.

Mines Statement, New Zealand, 1913.—7½ x 13 inches, well supplied with maps and illustrations, being the mines statement for the year ended the 31st December, 1912, and including statistics, reports relating to metalliferous mines and stone-quarries, state aid to mining, roads on goldfields, prospecting-drills, water-races, school of mines, inspection of mines, examinations for certificates, geological survey, state coal mines, diagrams, maps, and plans. The publication has been compiled by the Hon. W. Fraser, Minister of Mines for New Zealand, and covers approximately 160 closely-set pages.

Forest Protection in Canada, 1912.—164-page book, 7½ x 10 inches, well illustrated, and with map inserted. The publication is subdivided under six main topics, e.g., protection from railway fires; forest fires and the brush disposal problem; the top-logging law in the Adirondacks; the use of oil as locomotive fuel from a fire-protective point of view; forest planting in Canada; report of committee on forests, Commission on Conservation, 1912. There are, moreover, three appendices—the first, concerning Dominion forest reserve extension in Manitoba, Saskatchewan, Alberta, and British Columbia, and a table of forest reserve areas; the second, memorandum regarding the country between Sudbury and Port Arthur, by J. H. White; the third, opinions on fuel oil.

The report is edited by Clyde Leavitt, Chief Forester of the Commission of Conservation, and Chief Fire Inspector

of the Board of Railway Commissioners, and is issued by authority of the Dominion Government Commission of Conservation.

CATALOGUES RECEIVED.

National Metal Moulding.—A 28-page catalogue of mouldings, couplings, outlets, receptacles, bushings, flush-plates, etc., for sale by the Canadian General Electric Company of Toronto.

A Thousand Uses for Gas.—An 8-page well-illustrated catalogue dealing with gas and the various uses to which it may be put. Issued by the United Gas Improvement Company, Philadelphia, Pa.

Standard Class "NF-2" Compressor.—A leaflet descriptive of the important features governing air-compressor selection, and of the vital points of automatic operation. Published by the Canadian Ingersoll-Rand Company, Montreal.

Transformer Drying, and the drying, filtering and testing of transformer oil.—A 16-page bulletin, No. A4134, descriptive of the General Electric transformer dryer and filter. The Canadian General Electric Company, selling agents.

The Morrison Water-Tube Boiler.—A 10-page catalogue dealing with the water-tube boiler as a preventative of costly accidents and delays, the reduction of maintenance and repair expenses, etc. Issued by the Morrison Boiler Company, Sharon, Pa.

Electricity in Iron Foundries.—A Bulletin issued in October by the General Electric Company, descriptive of the electrical operation of cranes, air-compressors, elevating and conveying machinery, etc. The Canadian General Electric Company are the selling agents.

Chicago Pneumatic Corliss Compressors.—Bulletin No. 24D, issued by the Chicago Pneumatic Tool Company, descriptive of their horizontal, cross-compound Corliss compressor. It is well illustrated and furnished with tables of dimensions, and occupies 32 pages.

Improved Forced-Draught Furnace.—A 12-page, illustrated catalog descriptive of the "Meldrum" furnace; another describing their "Koker" and "Sprinkler" mechanical stokers, and a third dealing with refuse destructors. Issued by Meldrums, Limited, Manchester, Eng.

Rotating Hammer Drills.—A 12-page catalogue descriptive of the McKiernon-Terry rotating hammer drills for sinking, stoping and drifting; illustrated and including specifications, weights, etc. The Canadian Allis-Chalmers, Limited, Toronto, are the Canadian selling agents.

Cars, Tracks, Turntables, Switches, etc.—Catalogue No. 900 of the Orenstein-Arthur Koppel Company, Koppel, Pa., descriptive of their many products, comprising rails, portable track, switches, cars, turntables, steam and electric locomotives; well illustrated and tabled, comprising 84 pages. The Canadian Fairbanks-Morse Company are the Canadian sales agents.

Book Catalog.—A new illustrated catalog of scientific, industrial and technical books has been issued and will be mailed post-free by Crosby, Lockwood & Son, 7 Stationers Hall Court, London, England. Among the new books listed are an English and German Pocket Glossary of Technical Terms, and "Screw-Cutting for Engineers," a very practical book for mechanics.

Floating Docks.—A well-illustrated 50-page book descriptive of floating docks, published by Swan, Hunter & Wigham Richardson, Limited, Wallsend-on-Tyne, ship engine and floating dock builders and repairers. The booklet contains 50 illustrations of various docks and an article dealing with the subject in an interesting, descriptive constructional manner. It also contains a lengthy list of docks built by this company.