

## PUBLICATIONS RECEIVED.

- Annual Report of the City Engineer of Halifax.**—Issued by the city of Halifax, N.S.
- American Peat Society.**—Ninety-eight page journal issued by the Society, Toledo, Ohio.
- Works Administration.**—28-page pamphlet issued by the Gunn, Richards & Company, New York.
- Canadian Forestry Journal.**—Pamphlet issued by the Canadian Forestry Association, Ottawa, Canada.
- Some Mistaken Popular Notions Concerning Public Service Corporations.**—By Frederick Strauss. Issued by the J. G. White Companies, New York.
- Permissible Explosives.**—Technical paper No. 52, by Clarence Hall. Issued by the Bureau of Mines, Department of the Interior, Washington, D.C.
- Patents.**—Official journal of patents of Great Britain, for June, 1913. Issued by the Patent Office, Southampton Building, Chancery Lane, London, W.C. Price, 6d.
- Ohio State Board of Health.**—April bulletin issued by the Board of Health, and contains interesting papers read before the Board by well-known medical men.
- Properties of Saturated and Superheated Ammonia Vapor.**—96-page bulletin by G. A. Goodenough and Wm. E. Mosher. Issued by the University of Illinois, Urbana, Ill.
- Apparatus for Gas-Analysis Laboratories at Coal Mines.**—Illustrated technical paper by G. A. Burrell and F. M. Seibert. Issued by the Bureau of Mines, Washington, D.C.
- Magnetic Iron Sands.**—Report by George C. MacKenzie, B.Sc., dealing with the investigation of the Natashkwan magnetic iron sands. Issued by the Department of Mines, Ottawa.
- The Flash Point of Oils.**—Technical paper dealing with methods and apparatus for its determination, by T. C. Allen and A. S. Crossfield. Issued by the Department of the Interior, Washington, D.C.
- Mineral Production of Canada.**—Annual report by John McLeish, B.A., containing revised statistical information descriptive of the mining and metallurgical production in Canada during the calendar year 1911. Issued by the Department of Mines, Ottawa.
- American Wood Preservers' Association.**—480-page booklet containing the proceedings of the ninth annual meeting of the American Wood Preservers' Association, held at Chicago, Ill. Issued by the society. F. J. Angier, secretary-treasurer, Baltimore, Maryland.
- Report on the Livingstone Channel.**—Contains the recommendations in reply to questions submitted by the Governments of the United States and Canada in regards the Channel. Issued by the International Joint Commission, Washington, D.C., and Ottawa, Ont.
- Repair and Maintenance of Highways.**—72-page illustrated bulletin by L. T. Hewes, Ph.D., dealing with the repair and maintenance of macadam roads of all kinds, gravel, sand-clay, and earth roads. Issued by the Department of Agriculture, Washington, D.C.
- Minority Opinions, Kettle.**—Bulletin dealing with dissenting opinions in regard to application of the Rainy River Improvement Company for approval of plans for a dam at Kettle Falls. Issued by the International Joint Commission, Washington, D.C., and Ottawa, Ont.
- Testimony in the Livingstone Channel.**—225-page bulletin containing the references of the Governments of the United States and Canada under Article IX. of the treaty of May 5th, 1910. Issued by the International Joint Commission, Washington, D.C., and Ottawa, Ont.

**Hearings and Arguments re Kettle Falls Dam.**—128-page bulletin containing the hearings and arguments in the matter of the application of the Rainy River Improvement Company for approval of plans for a dam at Kettle Falls. Issued by the International Joint Commission, Washington, D.C., and Ottawa, Ont.

**Highway Improvement.**—Annual report of W. A. MacLean, chief engineer of highways, relating to highway improvement in the Province of Ontario, and containing the latest information on road construction, road metal, highway bridges and culverts, with illustrations. Issued by the Department of Public Works, Toronto, Ont.

**The Year Book, 1912.**—Containing the sixth annual report of the Council and transaction for 1912; also trade reports. Swedish traffic questions, with maps inserted of the city of London, railway and canal of Sweden, Blyth harbor, Port of Sutherland, River Tyne, Hartlepool docks, Hull docks, Immingham new dock and Port of Great Grimsby. Issued by the Swedish Chamber of Commerce in London, England.

**Report of Water Commissioners, London, Ont.**—Thirty-fourth annual report of the officials of the waterworks and electrical departments for the year ending November 30th, 1912, and the parks department for the year ending December 31st, 1912. It includes the general manager's reports and secretary's detailed statement of receipts and disbursements. Issued by the Waterworks, Electrical and Parks Department, London, Ont.

**Cheap Steam and Machine-Firing.**—A 27-page illustrated pamphlet dealing principally with the application of independent buckets, elevators and shoots to feed the stokers; construction and operation of the Gold Medal machine stoker; shows arrangement of machines for gas-firing as an alternative to coal-firing, and report of actual tests. Steam users will find drawings of the leading types of boilers especially interesting. Issued gratis to steam users by G. H. Tod, Manning Chambers, Queen Street West, Toronto.

## CATALOGUES RECEIVED.

**The Valve World.**—Nicely illustrated catalogue. Issued by the Crane Company, Chicago, Ill.

**Tobin Bronze.**—Illustrated catalogue issued by American Brass Company, Ansinia Brass and Copper Branch, Ansinia, Conn.

**Electric Service Magazine.**—15-page illustrated catalogue. Issued by the Toronto Electric Light Company, Limited, Toronto.

**Electric Arc Welding Apparatus.**—Illustrated catalogue. Issued by the C. and C. Electric and Manufacturing Company, Garwood, New Jersey.

**Labor Saver.**—Illustrated catalogue on the efficiency and economy of production. Issued by the Stephens-Adamson Manufacturing Company, Aurora, Ill.

**Sockets and Receptacles.**—Third edition of supply catalogue, illustrated, contains 64 pages. Issued by the Canadian General Electric Company, Toronto.

**Fuel Costs.**—Eight-page pamphlet dealing with comparison of oil, gas and coal as a fuel. Issued gratis by the Tate-Jones & Company, Inc., Pittsburg, Pa.

**J.-M. Packings and Specialties.**—132-page, nicely illustrated catalogue, dealing with J.-M. asbestos products. Issued by the Canadian H. W. Johns-Manville Co., Limited.

**Weber Chimneys.**—48-page illustrated catalogue dealing with Weber coniform chimneys and methods of construction.