

**Reconnaissance Along the National Transcontinental Railway in Southern Quebec.**—Interesting booklet written by John A. Dresser and published by the Department of Mines. Deals with the general geology, description of land formations and topographical character of the Laurentian and Appalachian highlands and the St. Lawrence lowlands.

**The Concrete House and Its Construction.**—A practical working volume containing important details involved in the construction of concrete dwellings. Nicely illustrated, showing interior and exterior views of noted concrete houses. Issued by the Association of American Portland Cement Manufacturers, Land Title Building, Philadelphia, Pa.

**Producer-Gas Power Plant in the United States.**—By R. H. Fernaed. Is a nicely illustrated bulletin dealing with the present status of the producer-gas power plant, fuel-testing, blast-furnace and coke-oven gas plants. Also the views of manufacturers, owners and operators of producer-gas plants, and has attached map showing graphic distribution of producer-gas plants in the United States. Issued by the Department of the Interior, Bureau of Mines, Washington, D.C.

**The Reading Iron Company,** of Reading, Penn., send us Bulletin No. 10, which is devoted to an illustrated description of the Illmer gas engine, which engine possesses a number of new features. The engine is intended primarily for driving electric generators, pumps, rolling mills and other heavy duty service operating at a reasonable load factor. To those interested in the subject we would strongly advise them to send for a copy of this bulletin and we are sure it would be gladly sent by the manufacturers.

**Bulletin of Revenues and Expenses of Steam Roads in the United States.**—This is a pamphlet prepared by the division of statistics and covers the revenues and expenses of railways during the month of February, said railways reporting to the Interstate Commerce Commission. In the bulletin will be found operating revenues and expenses of large railways and their principal subsidiaries showing whose total operating expenses exceed one million dollars. The pamphlet contains 36 pages, 9 ins. x 12 ins.

**Torquay Water Undertaking.**—This is an illustrated description of the new filtration plant at Torquay. Issued by the Candy Filter Company, Limited, of London, by which the installation was carried out. The plant has a capacity of two and a half million gallons per day and the sketch of the work done is written by Samuel C. Chapman, water engineer of the municipality of Torquay. The pamphlet contains twelve pages, one half-tone illustration and two diagrams, one showing the layout of the filters and the other a cross section.

**Good Roads.**—Tables showing in condensed form for ready reference and comparison, data regarding the highway systems of the leading nations of the world and statistics bearing upon federal aid in highway improvement in the United States. Compiled by the Hon. J. Bourne, Jr., chairman of the joint committee on federal aid in the construction of roads for the United States Congress. Revised print, March 20th, 1913. 12 ins. x 9 ins.; seven folded charts. Apply A. W. Prescott, secretary, Joint Committee on Federal Aid in the Construction of Post Roads, Washington, D.C.

**Expert Evidence.**—Verbatim report of a discussion held at a meeting of the American Institute of Consulting Engineers, Eugene W. Stern, secretary.

A most exhaustive discussion on the subject referred to above is contained in the fifty-eight pages of the pamphlet and will well repay any engineer who may have the privilege of reading the same. In as much as there is a good deal of opposition to the present methods of securing expert evidence in legal cases, it is an exceedingly interesting subject,

and one that is of great importance to the engineering profession. The following well-known engineers took part in the discussion: Mr. Rudolph Hering, Mr. Gustav Lindenthal, Mr. Cary T. Hutchinson, Mr. L. B. Stillwell, Mr. Sanford Thompson, Mr. Frank H. Waterman, Mr. Livingston Gifford, Mr. Alfred Noble, and Mr. E. W. Harrison.

The discussion was full of information that should be brought to the attention of every engineer who is likely to be called upon to give expert evidence where cases are before the courts, and where engineering knowledge is needed. It makes good reading.

## CATALOGUES RECEIVED.

**All Famous.**—Illustrated pamphlet, 10 pages. Issued by the Heine Safety Boiler Company, St. Louis, Mo.

**The Universal Crane and Excavator.**—Illustrated catalogue; 15 pages. Issued by the C. O. Bartlett & Snow Co., Cleveland, Ohio.

**American Vanadium Facts.**—Illustrated catalogue published by the American Vanadium Company, 341 Vanadium Building, Pittsburgh, Pa.

**The Hardy Simplex Hammer Drills.**—Illustrated catalogue showing three types of drills. Issued by Mussels, Limited, 318 St. James Street, Montreal.

**Blacksmithing and Drop Forging.**—Illustrated bulletin dealing particularly with heavy forgings. Issued gratis by the Tate-Jones & Company, Inc., Pittsburg, Pa.

**Bayer Railway Speed Recorder.**—Illustrated catalogue, giving description and instruction for applying and operating recorder. Issued by the Chicago Pneumatic Tool Co., Fisher Building, Chicago.

**The United States Graphite Company's Products.**—Illustrated catalogue issued by the United States Graphite Company, Saginaw, Mich. Deals with the company's graphite products and is intended to serve the trade as a convenient reference.

**The B. Greening Wire Company, Limited, of Hamilton,** send us a copy of their catalogue which contains a very full and complete illustrated description of their various specialties. It also contains an historical sketch of the business which was started 'way back in 1858. The catalogue contains 228 pages, is fully indexed, and contains among many other things a number of interesting tables which will be of interest to all those who use wire goods of any description.

**Text Book on Corrosion.**—An interesting bulletin published by the Stark Rolling Mill Company, of Canton, Ohio, sole producers of Toncan metal. Contains interesting technical information on the introduction of mild steel, rust and corrosion, chemical electrolysis, conservation of metals, efficiency, elimination of corrosion, and value of galvanizing steel. Is nicely illustrated, showing prominent installations of Toncan metal, and is a complete compendium of all necessary information in reference to sheet metal.

**The Great Market Street Paving Contract** is the title of an interesting booklet issued by the United States Wood Preserving Company. Copies will be sent to interested persons on request by the Canada Creosoting Company, Canadian Pacific Building, 1 King Street East, Toronto. The booklet tells how the Market Street Merchants' Association of Philadelphia, Pa., decided to use wood block when they investigated the problem of repaving Market Street after the street had been torn up for the construction of a subway. The report of the committee and a report by a firm of paving chemists, newspaper clippings, illustrations of streets, etc., are included.