

reading it and providing the slides, and to Mr. Vaughan for his lucid address. The chairman announced that at the next meeting, on the 14th inst., a paper by Mr. A. C. D. Blanchard, M. Can. Soc. C.E., describing "The Lethbridge Sewage Disposal Plant" would be read, and that an address on "The Use of the Sixty-Pounders" would be given by Lieut.-Col. Lacey R. Johnson.

MANITOBA GOOD ROADS BOARD.

Hon. Dr. Montague, minister of public works, has announced that a good roads board has been formed to look after road development in the province under the provisions of the Good Roads Act. The board will consist of Highway Commissioner A. McGillivray, chairman, ex-Mayor T. R. Deacon, and C. E. Ivens, of Virden. The secretary will be Ald. Marion, of St. Boniface.

Besides seeing to the carrying out of the provisions of the Good Roads Act, this board will compile statistics and collect information regarding the character and condition of roads, the cost of building and maintaining, and pass upon the best means of the keeping up of the roads. They will be expected to supply any information regarding roads to representatives of the different municipalities, and to promote good roads throughout the province.

PUNTLEDGE RIVER POWER PENSTOCK.

In our description of the Puntledge River Power development (see *The Canadian Engineer*, January 28th, 1915), the penstock line was described as being a 660 ft. "block beam" steel pipe, $\frac{3}{8}$ inches thick at the upper end and $\frac{7}{16}$ inches thick at the lower end. This should have read "lock bar" steel pipe. In justice to the manufacturers, the Canadian Steel Pipe Co., Limited, we take this opportunity of making the correction.

ONTARIO LAND SURVEYORS' ANNUAL MEETING.

The Association of Ontario Land Surveyors will hold their twenty-third annual meeting at the Engineers' Club, Toronto, on February 16th, 17th and 18th. Mr. J. W. Fitzgerald, O.L.S., Peterborough, Ontario, will preside.

On Tuesday, in addition to the presentation of reports of council, secretary-treasurer, etc., the president's address will be delivered and the following papers presented: "Possessory Titles," by F. N. Rutherford, O.L.S.; "City and Suburbs Plans Act," by T. D. LeMay, O.L.S., and "Reminiscences," by A. L. Russell, O.L.S. Reports will be submitted by Mr. L. V. Rorke, chairman of committee on publication; Thos. Faucett, chairman committee on topographical surveys; L. B. Stewart, chairman committee on exploration, and G. B. Kirkpatrick, chairman board of examiners.

In the evening Mr. J. S. Dobie, O.L.S., will read a paper, entitled "Stone Crushing," and another will be presented by Mr. J. S. Lang, O.L.S., comprising a review on land surveying.

On Wednesday morning, Mr. C. J. Murphy, chairman of the committee on land surveying, will present a report, after which a paper entitled, "Surveys in the Double Front Concessions of the Early Thirties," will be presented by Mr. M. Gavillier, O.L.S.

In the afternoon, the following reports of committees will be presented: On Engineering, Mr. N. D. Wilson; on Drainage, Mr. G. A. McCubbin; on Roads and Pavements, Mr. J. S. Dobie; on Repository and Biography, Mr. Willis Chipman.

The annual dinner will be held in the evening at the Engineers' Club.

On Thursday morning reports will be received from committee on legislation, Mr. G. B. Kirkpatrick, chairman, and from the committee on entertainment, Mr. T. B. LeMay, chairman. This will be followed by the nomination and election of officers and the transaction of unfinished business.

COMING MEETINGS.

AMERICAN CONCRETE INSTITUTE.—Eleventh Annual Meeting, to be held in Chicago, February 9th to 12th, 1915. Secretary, Edward E. Krauss, Harrison Building, Philadelphia, Pa.

NATIONAL BRICK MANUFACTURERS' ASSOCIATION.—Annual meeting to be held in Detroit, Mich., February 15th to 20th. Secretary, T. A. Randall, Indianapolis, Ind.

EIGHTH CHICAGO CEMENT SHOW.—To be held in the Coliseum, Chicago, Ill., from February 10th to 17th, 1915. Cement Products Exhibition Co., J. P. Beck, General Manager, 208 La Salle Street, Chicago.

ASSOCIATION OF ONTARIO LAND SURVEYORS.—Twenty-third annual meeting to be held in Toronto, February 16th, 17th and 18th. Secretary-treasurer, L. V. Rorke, Parliament Buildings, Toronto.

CANADIAN MINING INSTITUTE.—Seventeenth annual meeting, to be held in Toronto, March 3rd, 4th and 5th. Secretary, H. Mortimer-Lamb, Ritz-Carlton Hotel, Montreal.

AMERICAN RAILWAY ENGINEERING ASSOCIATION.—Annual meeting to be held in Chicago, March 16th to 18th, 1915. Secretary, E. H. Fritch, 900 South Michigan Avenue, Chicago.

CANADIAN AND INTERNATIONAL GOOD ROADS CONGRESS.—Second Annual Convention, Toronto, March 22 to 26, 1915. Secretary, Geo. A. McNamee, Dominion Good Roads Association, Montreal.

TORONTO ELECTRICAL SHOW.—The second annual exhibition, to be held in the Arena, Toronto, April 12th to 17th. Secretary, Mr. E. M. Wilcox, 62 Temperance Street, Toronto.

AMERICAN WATERWORKS ASSOCIATION.—The 35th annual convention, to be held in Cincinnati, Ohio, May 10th to 14th, 1915. Secretary, J. M. Diven, 47 State Street, Troy, N.Y.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.—Annual meeting to be held at the Iowa State College, Ames, Iowa, June 22nd to 25th, 1915. Secretary, F. L. Bishop, University of Pittsburgh, Pittsburgh, Pa.

COAL EXPORTS FROM UNITED STATES.

The United States, which produces 40% of the world's coal, exports annually 27,500,000 tons, or about 5% of the output of last year, the total export in the fiscal year being valued at \$86,000,000. Exports of domestic coal have doubled during the last decade, having increased from 8,482,867 long tons in 1904 to 19,664,080 tons in 1914, the latter total being with one exception (1913) the largest on record. In addition to exports consigned to foreign countries, domestic coal laden on vessels engaged in foreign trade for use as fuel amounted in 1914 to 7,811,913 tons and shipments to Hawaii and Porto Rico aggregated 133,501 tons, making total shipments out of mainland ports 27,609,494 with an aggregate valuation of \$85,925,001.