Montreal, is Dr. Goldschmidt's agent in Canada, from whom copies of the lecture may be had.

The Montreal Electrical Handbook is a neat book of 200 pages, descriptive of Montreal from the electrical standpoint, It is one of a series of ten books published in connection with the trip of the foreign delegates to the International and Electrical Congress in St. Louis, in September last. Though there was very little time in which to prepare the book, the articles are well written, and the whole is splendidly printed and illustrated. The articles are written by different contributors, each one an authority, and include a brief history of Montreal and district, and accounts of all the large electrical enterprises in that city, together with descriptions of Ottawa and of the Niagara region. The book is published under the auspices of the American Institute of Electrical Engineers.

The Michigan College of Mines Year Book, 1903-04, with announcement of courses for 1904-05, contains, besides information such as would be expected in such a publication, valuable maps of mine districts in northern Michigan. A list of graduates is also issued, giving present locations of alumni and information as to their employments since graduation. The college is at Houghton, Mich.

The University of Illinois engineering experiment station at Urbana, Ill., has issued its first bulletin under date September 1st. The experiment station was established a year ago, and is designed to carry on research work in problems of importance in engineering practice. The first issue deals with reinforced concrete beams. Exhaustive tests of various reinforcements were made, and the results are given in tables and charts. The report is prepared by Prof. Arthur N. Talbot, in charge of theoretical and applied mechanics.

Mines and Minerals, published at Scranton, Pa., issues a compact pocket directory containing a classified list of reliable manufacturers of and dealers in mining and milling machinery, supplies, etc. The directory is brought up-to-date twice a year, and is presented to subscribers of Mines and Minerals, and sold to others for the nominal sum of ten cents.

With the November number, the Technical World, of Chicago, dons a new and attractive dress, and we notice that it is now published by the Technical World Co., instead of the American School of Correspondence. Its leading article this month is The Making of the Panama Canal, by Waldon Fawcett. Among other articles of interest are, Modern Shop and Factory Lighting, Making a Talking Machine, and A Triumph of Metallurgy. The series of Great Technical Schools, which last month dealt with the University of Toronto, this month describes Perdue University. The characteristic departments of the magazine, such as Chalk Talks, Noon Hour Talks, and others, are continued in their usual happy vein.

The eighth volume of the Journal of the Mining Society of Nova Scotia contains the transactions of the society during the year 1903-4, and also publishes the papers presented to the society during the year. These deal with various topics, such as gold, coal and manganese mining, technical education, etc. Copies of the transactions may be obtained from the secretary, H. M. Wylde, at the society's rooms in Halifax.

The Department of the Interior has issued a book of cartoons advertising Western Canada as the granary of the Empire. One of the best hits in the book is a picture representing John Bull and Uncle Sam driving through the western country with only their heads visible above the grain, Uncle Sam remarking that the only drawback to the country is that "you can't see it for the wheat." Interspersed among the pictures are succinct statements of pertinent facts about the country.

Geo. A. Zeller, St. Louis, Mo., is the publisher of Spangenberg's Steam and Electrical Engineering in Questions and Answers. This is a reference book of over 600 pages, treating stationary and locomotive engineering, electricity, compressed air, mechanical refrigeration, gas and gasoline engines, hydraulic elevators, etc. It is edited by E. Spangenberg, M.E., Albert Uhl, A.I.E.E., and E. W. Pratt, all men of wide experience, the first two being connected with the St. Louis School of Engineering, and the last being master mechanic for one of the large railroads. The book is sent post-paid for $3.50, and the publisher announces that it is admitted free of duty into Canada.

The Opportunity of the Engineer is the title of the commencement address delivered at Thomas S. Clarkson Memorial School of Technology last June, by Francis N. Thorpe, Ph.D. The perusal of this address shows its author to be a man of clear intellect, deep thought, and a felicitous expression that would make any subject attractive. This address occupies nearly the whole of the July issue of the Clarkson Bulletin, issued by the school at Potsdam, N.Y.

The Steel Square Pocket Book, by Dwight L. Stoddard, New York: Industrial Publication Co., pp. 100, price 50c.

This book is, as its title indicates, a pocket book as regards size, and is a compendium of useful information for workers with the steel square. It is designed especially for the use of carpenters, and consists of over one hundred illustrations showing various uses of the square, together with just sufficient letter-press to make the illustration understood.

Reinforced Concrete. A. W. Buel and C. S. Hill. New York: The Engineering News Publishing Co., 12mo., pp. 430.

This book is intended for designing and constructing engineers following American practice, and governed by conditions which prevail in America. The first part of the book is devoted to methods of calculation, and is written by Mr. Buel, while the second and third parts, on representative structures and methods of construction, are written by Mr. Hill. The book deals with all varieties of construction in a thoroughly practical way, and yet with sufficient of the theoretical to establish the formulæ advanced. Illustrations in the form of diagrams and photographs abound throughout the book.

Manual for Engineers. Chas. E. Ferris, B.S., Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn.; University Press.

This book is a companion of vest-pocket size for engineers and business men. It contains formulae and tables of general interest, together with a number of recipes and items of useful information. Handsome leather binding gives the book a very neat appearance.

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DOMINION IRON AND STEEL CO.

At the annual meeting of the Dominion Iron & Steel Co., held last month at Montreal, the president, J. H. Plummer, spoke confidently of the outlook for both the steel rail and rod mill. The position of the company as to raw materials was better than supposed, as it had been found that the Lake Superior ore could be laid down at Sydney at very little greater cost than at Pittsburg, while European ore could be brought in as cheaply as to England. From the addresses of Frederic Nicholls and Graham Fraser, it was gathered that the whole production of the company's plant at Sydney in rails, billets and rods, could be sold in Canada and it might be decided later on to establish a mill to roll plates. The following is an extract from the report:—

"The chief source of supply is the company's mine on Belle Island, Newfoundland, known as the Wabana Mine. We shall take out this year about 315,000 tons, of which ore to the extent of 115,000 tons goes to Europe, where it has been sold at fair prices, and the balance to our own works at Sydney. There is a ready market for it in Europe, so that we can always dispose of our ore whenever that is found desirable. A new washing plant has been erected during the past spring and summer, consisting of two units, each capable of washing 100 tons of coal per hour. It is now practically complete and washing sufficient coal for two blast furnaces. While the plant is not yet doing the best work of which it is capable, coke made from washed coal is now exclusively used, and is found to be greatly improved in quality. I fully expect that as the men employed become more accustomed to the work still better results will be obtained. Five of the ten furnaces of the open hearth plant are in operation and doing fairly good work. The remaining furnaces are being carefully overhauled, and the additional