

The Recognition of Minerals.—By C. G. Moore, M.A., F.I.C., with monographs on geology, ore deposits, etc., by Donald A. MacAlister, Assoc., R.S.M., F.G.S., 250 pp., 6 x 9; cloth, \$1.85. Published by the Mining Journal, 46 Queen Victoria Street, London, E.C., England.

Efficiency as a Basis for Operation and Wages.—By Harrington Emerson, 175 pp., 6 x 9, cloth. The Engineering Magazine, publishers, New York, U.S.A.

Power Railway Signalling.—By H. Raynar Wilson, late of the L. & Y., and Midland Railways of England, 350 pages, 9 x 12; cloth, \$7.25. Published by The Railway Engineer, 3 Ludgate Circus Buildings, London, E.C., England.

Secondary Stresses in Bridge Trusses.—By Mr. C. R. Grimm, C.E., M. Am. Soc. C.E., 6 x 9, 150 pages, 60 illustrations, and 13 numerical examples. Cloth, \$2.50. John Wiley & Sons, publishers, New York. Renouf Publishing Company, 61 Union Ave., Montreal, agents for Canada.

Irrigation Engineering.—By Herbert M. Wilson, C.E., M. Am. Soc. C.E., Chief Engineer, United States Geological Survey, 650 pp., 6 x 9, and 38 full page plates, and 195 figures; cloth, \$4. John Wiley & Sons, publishers, New York, U.S.A.; Renouf Publishing Company, 61 Union Ave., Montreal, Que.

Practical Testing of Gas and Gas Meters.—By C. H. Stone, B.S., M.S., chief inspector of gas, Public Service Commission, Second district, New York, 350 pages, 6 x 9; numerous illustrations. John Wiley & Sons, publishers, New York, U.S.A.; Renouf Publishing Company, Montreal.

Structural Details or Elements of Design in Heavy Framing.—By Henry S. Jacoby, Professor of Bridge Engineering, Cornell University, 375 pp., 6 x 9, and 40 illustrations, \$2.25 net. John Wiley & Sons, publishers, New York, U.S.A.; Renouf Publishing Company, Montreal.

Report of the Sanitary State of the City of Montreal, also an account of the operations of the Board of Health and the Vital Statistics for the year 1908, by Dr. Louis Laberge, Medical Officer of Health. 107 pp., 6 x 9 pub. doc.

Proceedings of the first annual general assembly of the Architectural Institute of Canada, held in Ottawa on the 28th, 29th and 30th September, and 1st October, 1908. 140 pp., 6 x 9. Alcide Chausse, M.S.A., Secretary, P.O. Box 259, Montreal, Que.

The Bridges of New York.—By Mr. T. Kennard Thomson, M. Can. Soc. C.E., Consulting Engineer, 50 Church Street, New York City. 70 pages, 6 x 9, well illustrated.

CATALOGUES.

Foundry Facings.—A booklet of handy size has just been issued by the Joseph Dixon Crucible Company, Jersey City, N.J., descriptive of foundry facings. Much valuable information on the proper use of facings is given, and the listings, which include prices, will be of interest to the purchasing agent.

Corrugated Steel Sheet Piling.—The uses of this material are illustrated and described in a folder issued by the Wemlinger Steel Piling Company, 11 Broadway, New York City. Information concerning work in which the piling is used, including the construction of bridge piers, coffer dams, sewer trenches, waterworks, subways, etc., will be gladly forwarded on application.

The Peerless "Pickup" Hand Sweepers are described and illustrated in a book just issued by the Barron & Cole Company, 127 Franklin St., New York City. The machine is used on streets, in parks and factories, on railroad platforms, etc. Many good recommendations are given, and the volume is

worthy of consideration from municipal authorities interested in the street cleaning problem.

Road-making Machinery is described in a booklet entitled "Cheaper and Better Roads." Published by the Baker Manufacturing Company, Fisher Building, Chicago, Ill., it tells how to cheapen expenses in grading, ditch digging, drainage work, irrigation, and a host of other things in which the highway and municipal engineer are interested.

How to Mix and Place Concrete for Five Cents a Cubic Yard is the title of a publication distributed by the Nims Concrete Machinery Company, 127 Franklin Street, New York City. Instances are cited in which the cost of concrete work was extremely low, while an interesting article on the Actual Cost of Mixing and Placing Concrete in a Dam is also included.

The Milburn Light.—An improved gas light, generated from acetylene, and used by contractors, railways, mining companies, foundries, lighthouses and dockyards—is the subject article in a book published by the Alexander Milburn Company, of Baltimore, Md., U.S.A. Particulars as to its cost are given, together with illustrations showing its adaptability.

Modern Street Railway Lamps are described in Bulletin 5B, issued by the engineering department of the National Electric Lamp Association, 4411 Hough Ave., Cleveland, Ohio.

Gas Engines for electric lighting, pumping and general power purposes are described and illustrated in an interesting booklet prepared by the Bruce-Macbeth Engine Company of Cleveland, Ohio. Comparative fuel costs of different kinds of power, including that produced by the steam engine and the gas engine, are given, while there are also much other data that will interest the engineer and purchasing agent who is connected with municipal and private plants in which this kind of machinery is used.

Road-making Machinery.—Contractors and township supplies, and high-grade traction and portable engines are described by Messrs. Sawyer and Massey Company, Limited, of Hamilton, Ontario, in a booklet with which we have been favored. Municipal engineers and the members of boards of works of town and city councils will find in this publication descriptions of some of the best road-making equipment manufactured in Canada.

Engine Indicators.—The Trill Indicator Company, of Corry, Pa., has just issued an attractive 44-page booklet describing their various types of indicators. This book also describes the Faultless Reducing Motion, Trill Planimeter, and Indicators for high pressure and ammonia work. Besides the description of the apparatus, interesting discussions are given on numerous cards and the causes of various unusual curves pointed out. A method is also given for drawing adiabatic and saturation curves.

Electrical Machinery.—Bruce, Peebles & Company, Edinburgh, Scotland, send an interesting series of catalogues describing induction motors, continuous current motors, alternators, continuous current dynamos, motor-converters, and special machinery.

Gas Engine Tests.—The Colonial Engineering Company, 222 St. James Street, Montreal, Que., in their booklet, Cost of Power, give interesting information as to what the power user should pay for light, heat and power. They also give the results of several tests made on their engines.

Buckets, Orange Peel and Clam Shell.—The Hayward Company, 50 Church Street, New York, have in the most substantial and modern design these two styles of buckets. They also make buckets to special designs, and the Hayward bucket will handle any digging problem.