

THE ENGINEERING MANUAL, 6 by 9 ins., 1½ ins. thick in loose leaf cloth binder. American Electric Railway Engineering Association, New York, N.Y. Price \$3. Binder \$1. Members of Association receive it free without binder.

This is a compilation of the standards and recommendations adopted by this Association and covers practically the entire field of electric railway engineering. It is in loose leaf form, and consists of 82 sections, fully illustrated with diagrams and working drawings. The loose leaf form has been adopted in order that the standards and recommendations may keep pace with such additions and alterations as are made at the Association's yearly conventions. Separate sections may be obtained.

SUPLEE'S MECHANICAL ENGINEERS' Reference Book.—By H. S. Suplee, B.Sc.; M.E. 964 pages; 4½ by 6½ ins.; illustrated. Published by J. B. Lippincott Co., Philadelphia, Pa.

The fourth edition of this handbook, originally published in 1903, has had the few errors appearing in the previous edition corrected, and a 40 page appendix added. Practically every branch of mechanical engineering has been collected in this book, and indexed in a very convenient manner, making it particularly handy for ready reference. The chief feature of value lies in the manner in which the data, secured from numerous sources, has been collaborated, and the essential information boiled down into small compass, so that it is not necessary to wade through a series of unrelated tests, as is common in many books of its type, to secure the data desired. As far as has been found practicable the information appears in tabular form, and where this has not been feasible, simple formulae, the factors in which are in intelligible form, are used. Each separate subject is developed in a concise manner from the fundamental considerations, so that where the tables and data are not readily understood from an unfamiliarity with the subject in hand, the development of the data can be easily followed if even a fundamental knowledge of engineering is possessed by the user. The edge of the book is indexed under the following main sections: Mathematics, mechanics, material of engineering, strength of materials, machine design, air, water, fuel, steam, steam boilers, steam engines, internal combustion engines, electric power, cost of power, and miscellaneous. These several heads are subdivided in the table of contents so that any general group can be readily located and the details are further subdivided in a complete index at the back, wherein are over 4,000 headings. The index is one of the particular features in which most books of this type are weak, but in this instance, it appears to have been prepared with great care, so that data on a very wide range of topics can be quickly located. A great many authorities for the information contained, are referred to, giving a clue to where more exhaustive information may be obtained.

R. P. Lewis, Traffic Supervisor, City of Winnipeg, Street Railway Department, writes, "I would be much obliged if you would place me on your subscription list for Canadian Railway and Marine World, as I think I will find the same a great asset to help me to carry out my duties."

The North Pacific Coast Passenger Association held its regular monthly session at the Empress Hotel, Victoria, B.C., June 16, H. W. Brodie, General Passenger Agent, C.P.R., Vancouver, presiding.

Trade and Supply Notes.

The matter which appears under this heading is compiled, in most cases, from information supplied by the manufacturers of, or dealers in, the articles referred to, and in publishing the same we accept no responsibility. At the same time we wish our readers distinctly to understand that we are not paid for the publication of any of this matter, and that we will not consider any proposition to insert reading matter in our columns for pay or its equivalent. Advertising contracts will not be taken with any condition that accepting them will oblige us to publish reading notices. In other words, our reading columns are not for sale, either to advertisers or others.

Dearborn Chemical Co. of Canada, Ltd., Toronto, has appointed Jno. F. Franey, Western Manager, at Winnipeg.

The Lauzon Engineering Co., Ltd., engineers and contractors, Levis, Que., have been awarded a contract by the Levis City Council for paving Laurier Ave. and Commercial St., with medal vitrified paving block.

Canadian Allis-Chalmers, Ltd., Toronto, is distributing a booklet, "Pile Hammers," issued by McKiernan-Terry Drill Co., describing and illustrating pile hammers for contractors' use in driving wood sheathing, steel sheet piling and concrete piles.

The Titanium Alloy Mfg. Co., Niagara Falls, N.Y., has issued "Rail Reports Bulletin 6, Open Hearth," giving results of tests made on six pieces of rails, three of standard and three of Titanium treated open hearth rails rolled in Sept., 1913, for an eastern U. S. railway.

Brown Hoisting Machinery Co., Cleveland Ohio.—J. P. Case, who has been appointed Canadian representative, succeeding F. A. Peck, resigned, has been with the Brown Hoisting Machinery Co. for a good many years. He will spend all his time in Canada, and will be assisted by Hoyt E. Hayes, who has also had a practical experience in the material handling field.

United States Light & Heating Co.—L. R. Pomeroy, a railway and electrical engineer, has been appointed Manager of the New York sales office, 16-24 W. 61st St., of The U. S. Light & Heating Co., the general offices of which are now at Niagara Falls, N.Y. Mr. Pomeroy has under his direction the sales of the U-S-L axle electric car lighting equipment, U-S-L electric starter and lighter, and U-S-L storage batteries, in the territory of the New York branch office.

Canada Machinery Corporation, Ltd.—In connection with the new financing carried out by this company recently, whereby \$150,000 additional working capital was provided by the shareholders, certain changes in the management have taken place through the retirement of T. F. Kenny as General Manager, and in future T. H. Watson, the newly elected President, will assume the duties heretofore performed by the General Manager, and take an active part in directing the company's affairs.

The Detroit Lubricator Company will exhibit the new Detroit flange lubricator at the General Foremen's Convention at Chicago. The exhibit will consist of two wooden models of 45 degree sections of locomotive drivers with the lubricator installed in the same manner as in actual service. The whole apparatus will be rocked back and forth by an ingenious electrical contrivance to approximate working conditions on the road. The lubricator will feed oil on the flanges every time the lateral motion becomes pronounced, and easy observation of its construction and operation will be made possible by removing sections to display the internal mechanism. In addition to this a No. 22 bullseye locomotive lubricator, air cylinder lubricator and transfer filler will

be shown in operation. A complete line of locomotive lubricators, with from one to eight feeds, automatic steam chest plugs, air cylinder lubricators, transfer fillers, with sectional models and cross sections of parts will be displayed.

Transportation Conventions in 1914.

July 14-17.—International Railway General Foremen's Association, Chicago, Ill.
July 20-22.—American Railway Tool Foremen's Association, Chicago, Ill.
Aug. 18.—International Railroad Blacksmiths' Association, Lima, Ohio.
Aug. 20, 21.—American Association of Railroad Superintendents, New York.
Sept. 1-4.—American Boiler Manufacturers' Association, New York.
Sept. 8-10.—Roadmasters and Maintenance of Way Association, Chicago, Ill.
Sept. 8-11.—Master Car and Locomotive Painters' Association of the United States and Canada, Nashville, Tenn.
Sept. 22-24.—Railway Signal Association, Bluff Point, N.Y.
Oct. —.—American Association of Dining Car Superintendents, Washington, D.C.
Oct. 12-16.—American Electric Railway Association, Atlantic City, N. J.
Oct. 19-23.—Association of Railway Electrical Engineers, Chicago, Ill.
Oct. 20-22.—American Railway Bridge and Building Association, Los Angeles, Cal.
Nov. 17-19.—Maintenance of Way and Master Painters' Association of the United States and Canada, Detroit, Mich.

Transportation Associations, Clubs, Etc.

The names of persons given below are those of the secretaries.

Canadian Car Service Bureau, J. Reilly, Manager, 401 St. Nicholas Building, Montreal.
Canadian Electric Railway Association, Acton Burrows, 70 Bond Street, Toronto.
Canadian Freight Association (Eastern Lines), G. C. Ransom, Canadian Express Building, Montreal.
Canadian Freight Association (Western Lines), W. E. Campbell, 502 Canada Building, Winnipeg.
Canadian Railway Club, J. Powell, St. Lambert, Que. Meetings at Montreal, 2nd Tuesday each month, 8.30 p.m., except June, July and August.
Canadian Society of Civil Engineers, C. H. McLeod, 176 Mansfield St., Montreal.
Canadian Ticket Agents' Association, E. de la Hooke, London, Ont.
Central Railway and Engineering Club of Canada, C. L. Worth, 409 Union Station, Toronto. Meetings at Toronto 3rd Tuesday each month, except June, July and August.
Dominion Marine Association, Counsel, F. King, Kingston, Ont.
Eastern Canadian Passenger Association, G. H. Webster, 54 Beaver Hall Hill, Montreal.
Engineers' Club of Montreal, R. W. H. Smith, 9 Beaver Hall Square, Montreal.
Engineers' Club of Toronto, R. B. Wolsey, 94 King St. West, Toronto.
Great Lakes and St. Lawrence River Rate Committee, Jas. Morrison, Montreal.
International Water Lines Passenger Association, M. R. Nelson, New York.
Niagara Frontier Summer Rate Committee, Jas. Morrison, Montreal.
Nova Scotia Society of Engineers, A. R. McCleave, Halifax, N.S.
Quebec Transportation Club, A. F. Dion, Quebec.
Ship Masters' Association of Canada, Capt. E. Wells, 45 St. John St., Halifax, N.S.
Western Canada Railway Club, W. H. Rosevear, 25½ Princess St., Winnipeg. Meetings at Winnipeg 2nd Monday each month, except June, July and August.

The McEachern Tie and Timber Co., Ltd., has been incorporated under the Ontario Companies Act, with \$40,000 capital, and office at Thessalon, to carry on a general timber business, and to act as shipowners and carries by sea, etc. E. S., and H. S. Perryman, Chicago, Ill.; J. A., and M. T. McEachern, and W. McGuire, Thessalon, are the incorporators.

Consolidated Railway Act.—The Government bill providing for the consolidation and amendment of the Railway Act, which was referred to a dual committee of the Senate and the House of Commons, did not get beyond that stage last session of Parliament. It will be proceeded with next session.