

CAR BUILDERS' CYCLOPEDIA

21st EDITION

A SIMMONS-BOARDMAN PUBLICATION

1961
Car Builders' Cyclopedia
Of American Practice

Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in the Construction and Repair of Cars

Twenty-First Edition 1961
First Edition—"Car Builders' Dictionary"—1879

Compiled and Edited for the
Association of American Railroads—Mechanical Division

EDITOR

C. L. Combes

*Editor, Railway Locomotives and Cars
and Mechanical Department, Railway Age*

MANAGING EDITOR

A. G. Oehler

Consulting Editor, Railway Locomotives and Cars

CONSULTING EDITOR

F. N. Houser

Managing Editor, Railway Locomotives and Cars

EDITORIAL ASSISTANT

Elsie M. Koch

PUBLISHER

R. G. Lewis

Publisher, Railway Age

PRODUCTION DIRECTOR

M. J. Figa

A. A. R. ADVISORY COMMITTEE

W. M. Keller, *Vice President, A. A. R. Research Department*

K. H. Carpenter, *Superintendent Car Department, Erie-Lackawanna*

G. T. Wilson, *Mechanical Engineer—Car, New York Central*

T. P. Hackney, Jr., *Mechanical Engineer, Chesapeake & Ohio*

Published and Printed in U. S. A.

By

Simmons-Boardman Publishing Corporation

30 Church St., New York 7, N. Y.

Chicago 3, Ill.
79 West Monroe St.

Cleveland 15, O.
1501 Euclid Ave.

Washington 4, D. C.
1081 National Press Bldg.

San Francisco 11, Calif.
916 Kearny St.

Portland 5, Ore.
Terminal Sales Bldg.

Los Angeles 17, Calif.
1151 West Sixth St.

Dallas 19, Tex.
3915 Lemmon Ave.

Atlanta 9, Ga.
22 Eighth St., N.E.

Pittsburgh 19, Pa.
Suite 203, Carlton House

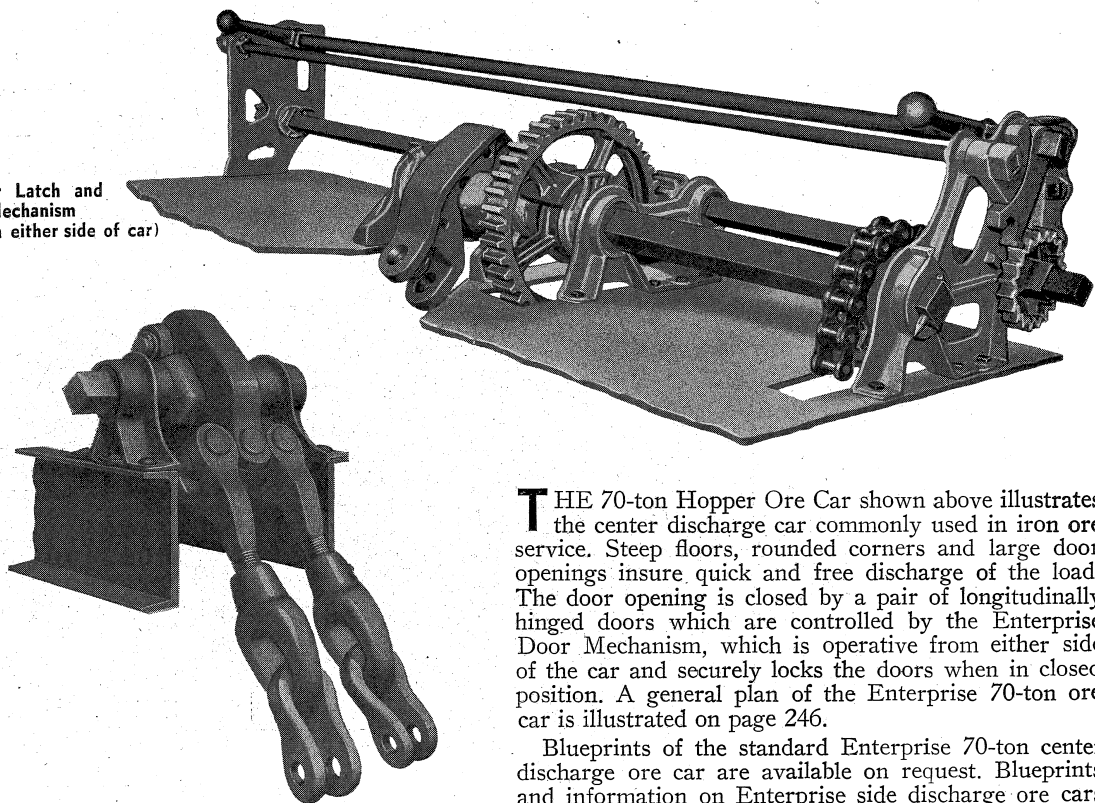
COPYRIGHT 1961 by Simmons-Boardman Publishing Corporation

Enterprise Door Operating Mechanism for Ore Cars



70-ton Center Discharge Ore Car.

Enterprise Door Latch and
Operating Mechanism
(Operative from either side of car)



Enterprise Ore Car Dumping Mechanism.

THE 70-ton Hopper Ore Car shown above illustrates the center discharge car commonly used in iron ore service. Steep floors, rounded corners and large door openings insure quick and free discharge of the load. The door opening is closed by a pair of longitudinally hinged doors which are controlled by the Enterprise Door Mechanism, which is operative from either side of the car and securely locks the doors when in closed position. A general plan of the Enterprise 70-ton ore car is illustrated on page 246.

Blueprints of the standard Enterprise 70-ton center discharge ore car are available on request. Blueprints and information on Enterprise side discharge ore cars are also available.

ENTERPRISE RAILWAY EQUIPMENT COMPANY, 59 E. Van Buren St., CHICAGO 5, ILL.

Products and Branch Offices Are Listed in the Classified Indexes