

Exhibit 3

THE MASTER CAR BUILDERS' ASSOCIATION
CAR BUILDERS' DICTIONARY
1906 Edition

The Car Builders' Dictionary

AN ILLUSTRATED VOCABULARY OF TERMS
WHICH DESIGNATE AMERICAN RAILROAD
CARS THEIR PARTS ATTACHMENTS AND
DETAILS OF CONSTRUCTION WITH DEFINITIONS AND ILLUSTRATIONS OF TYPICAL
BRITISH PRACTICE IN CAR CONSTRUCTION

SIX THOUSAND THREE HUNDRED AND FORTY-FOUR ILLUSTRATIONS

1906 EDITION

COMPILED FOR THE MASTER CAR BUILDERS' ASSOCIATION

By RODNEY HITT

Associate Member, Master Car Builders' Association

UNDER THE SUPERVISION OF THE FOLLOWING COMMITTEE:

C. A. SELEY, *Mechanical Engineer, Chicago, Rock Island & Pacific*

H. F. BALL, *Superintendent of Motive Power, Lake Shore & Michigan Southern*

J. E. MUELFELD, *General Superintendent of Motive Power, Baltimore & Ohio*

THE FIRST EDITION OF THE CAR BUILDERS' DICTIONARY WAS PUBLISHED BY THE RAILROAD GAZETTE IN 1879, UNDER CONTRACT WITH
AND UNDER THE DIRECTION OF THE MASTER CAR BUILDERS' ASSOCIATION. IT CONTAINED 811 ENGRAVINGS

IT WAS REVISED AND PUBLISHED UNDER SIMILAR CONDITIONS IN 1884, AND CONTAINED 2188 ENGRAVINGS

IT WAS REVISED AND SIMILARLY PUBLISHED IN 1895 AND CONTAINED 5683 ENGRAVINGS

IN 1903 IT WAS AGAIN REVISED, THE EDITION CONTAINING 4971 ENGRAVINGS

1906

THE RAILROAD GAZETTE

NEW YORK : 83 Fulton Street CHICAGO : 375 Old Colony Building

THE RAILWAY GAZETTE

LONDON : Queen Anne's Chambers, Westminster, S. W.

ACTION OF THE MASTER CAR BUILDERS' ASSOCIATION.

At the Fifth Annual Convention, held in Richmond, Va., in 1872, it was

"Resolved, That a committee be appointed with power to publish an illustrated book, defining the proper terms or names of each and every part used in the construction of railway cars, and a description of the use of the same."

At the Fourteenth Annual Convention, held in Detroit, in 1880,

"The Committee to whom was assigned the duty of preparing a Dictionary of Terms used in the construction of cars submitted a copy of the book and reported that they had finished their work, and were discharged."

At a meeting of the Executive Committee of the Master Car Builders' Association, held in New York, December 11, 1905, Messrs. C. A. Seley, H. F. Ball and J. E. Muhlfeld were appointed a Supervising Committee for the 1906 revision of the Car Builders' Dictionary.

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THE RAILROAD GAZETTE
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Fig. 50. Steel Hopper Car. Capacity, 100,000 lbs. Weight, 43,600 lbs.
Pressed Steel Car Co., Builders.
(Drawings of this car are shown in Figs. 424-429.)



Fig. 51. Hopper Car, Structural Steel. Capacity, 100,000 lbs. Weight, 38,300 lbs.
Standard Steel Car Co., Builders.

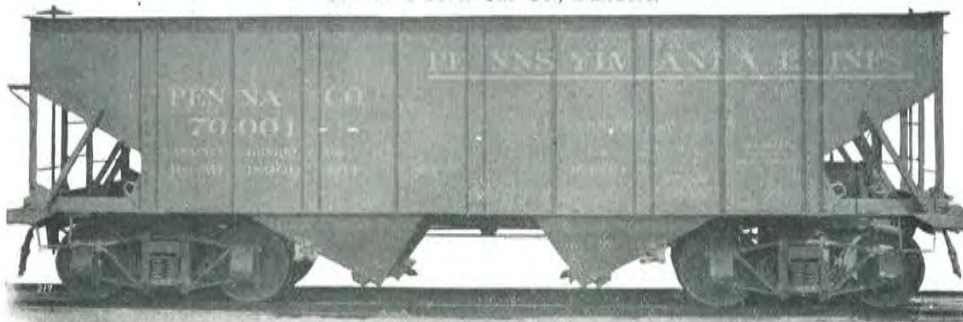


Fig. 52. Hopper Car, Structural Steel. Capacity, 100,000 lbs. Weight, 38,900 lbs.
Standard Steel Car Co., Builders.
(Drawings of this car are shown in Figs. 413-416.)

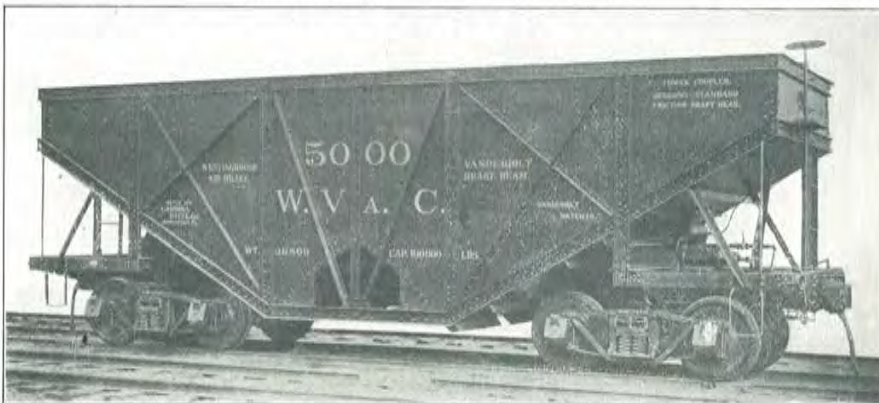
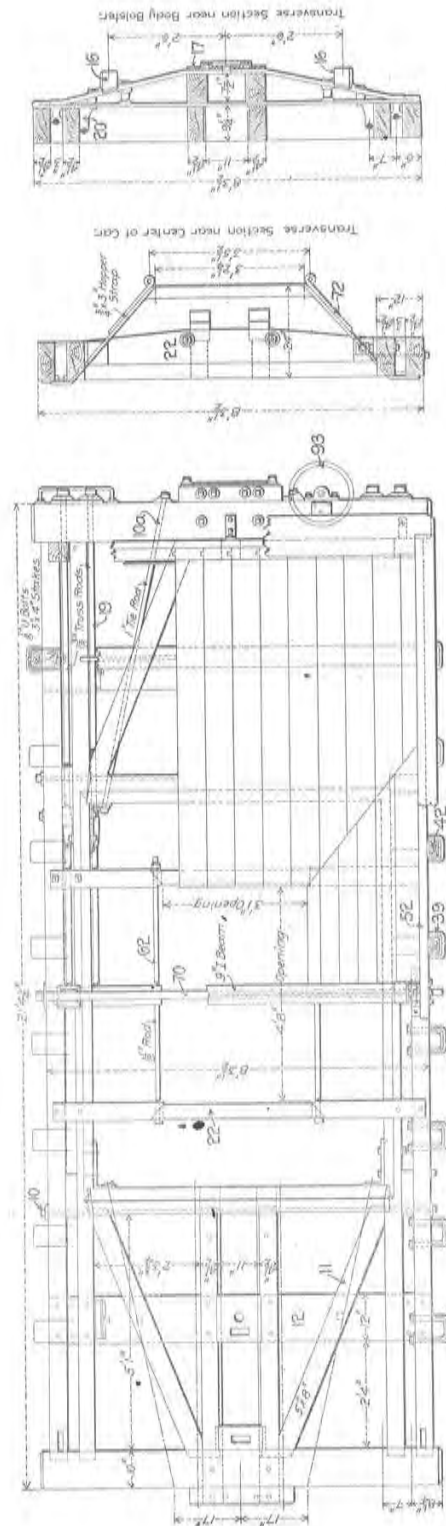
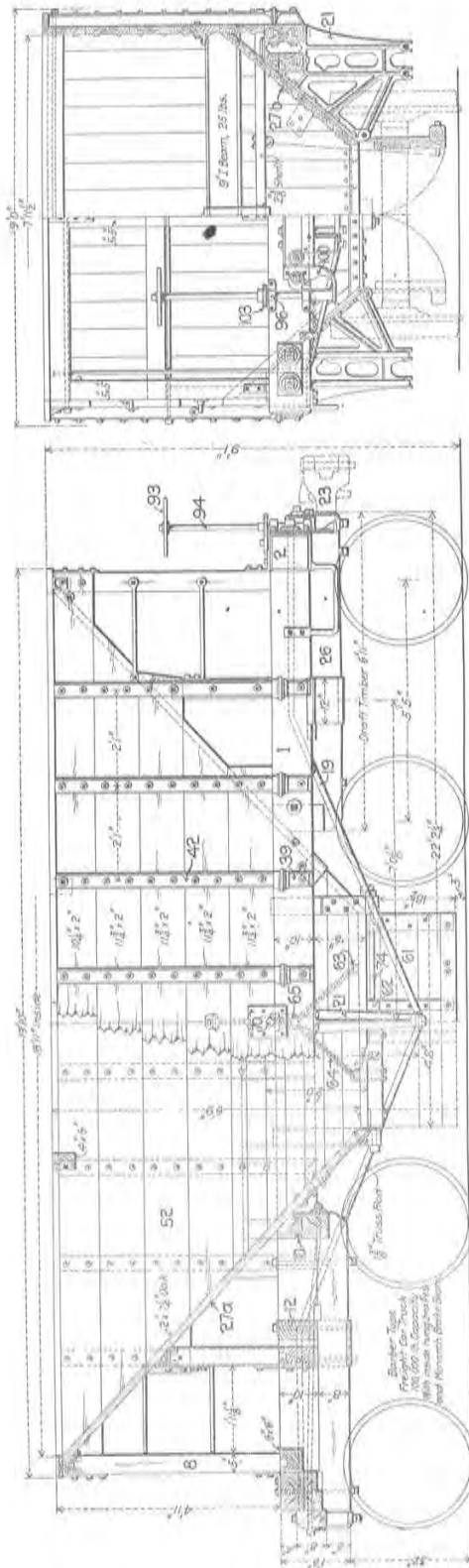


Fig. 53. Hopper Car, Structural Steel, Vanderbilt Patent. Capacity, 100,000 lbs. Weight, 36,800 lbs.
Cambria Steel Co., Builders.

(Drawings of this car are shown in Figs. 417-420.)

Numbers Refer to List of Names with Figs. 415-416.



Figs. 430-434. Plan, Elevations and Sections of 19-ft. Hopper Ore Car, C. M. & St. P. Capacity, 100,000 lbs.

Exhibit 4

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CAR BUILDERS' DICTIONARY

10

DEFINITIONS AND ILLUSTRATIONS
OF AMERICAN RAILWAY CARS,
THEIR PARTS AND
EQUIPMENT

COMPILED AND EDITED FOR
THE MASTER CAR BUILDERS' ASSOCIATION

BY

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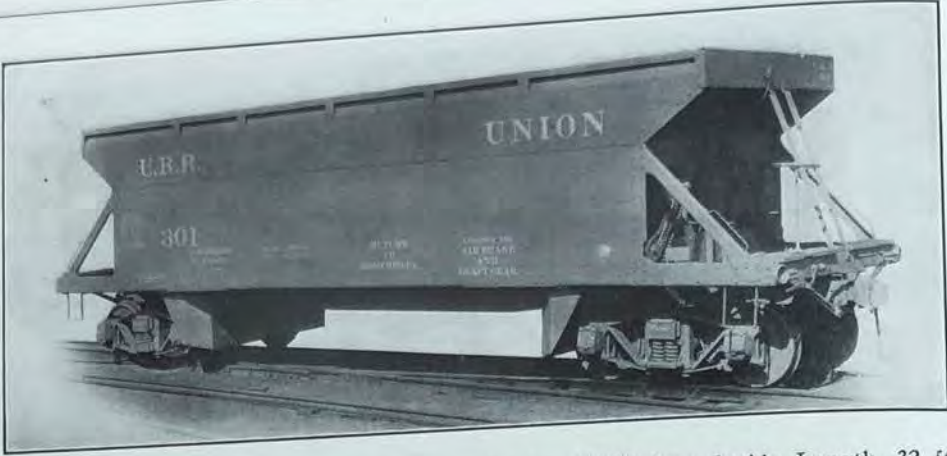


Fig. 22—All-Steel 50-Ton Capacity Hopper Car. Weight, 44,000 lbs.; Inside Length, 32 ft.; Inside Width, 10 ft. Capacity Level Full, Cubic Feet, 1,450. Builder, Summers Steel Car Co.
(See Fig. 299 for General Drawings.)



Fig. 23—Steel-Frame 50-Ton Capacity Hopper Car. Weight, 38,600 lbs.; Inside Length, 30 ft. 9 in.; Inside Width, 8 ft. 9½ in. Capacity Level Full Cubic Feet, 1,595. Builder, Middletown Car Co.

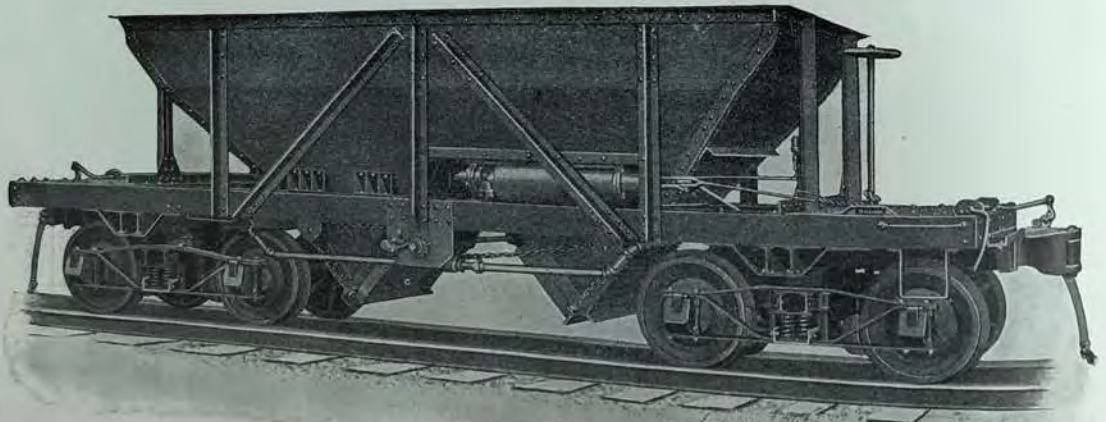


Fig. 24—All-Steel 10-Ton Capacity Twin-Hopper Car. Weight, 14,800 lbs.; Inside Length, 13 ft.; Inside Width, 6 ft. 6 in. Capacity Cubic Feet, 225. Builder, The Kilbourne & Jacobs Mfg. Co.

Exhibit 5

Exhibit 5

Car Builders' Cyclopedia

Of American Practice

Definitions and Typical Illustrations of Cars, Their Parts
and Equipment; Descriptions and Illustrations of
the Tools and Methods Employed in Their
Construction and Repair; Cars Built in
America for Industrial Operations and
for Foreign Railroads

Tenth Edition—1922

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for the
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(Formerly Master Car Builders' Association)

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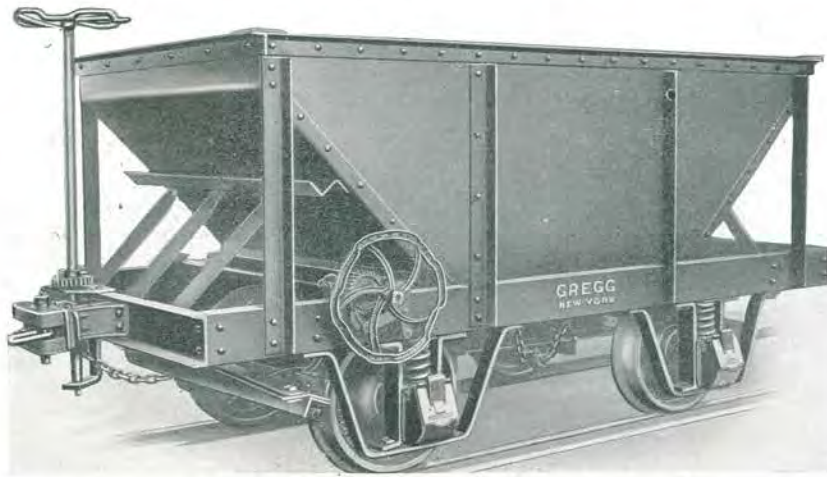


Fig. 2903—Steel Hopper Car. Capacity, 3 cu. yd.; Gage, 36 in.; Single Bottom Door; Link and Pin Couplers; Hand Wheel Brake. Builder, The Gregg Company, Ltd.

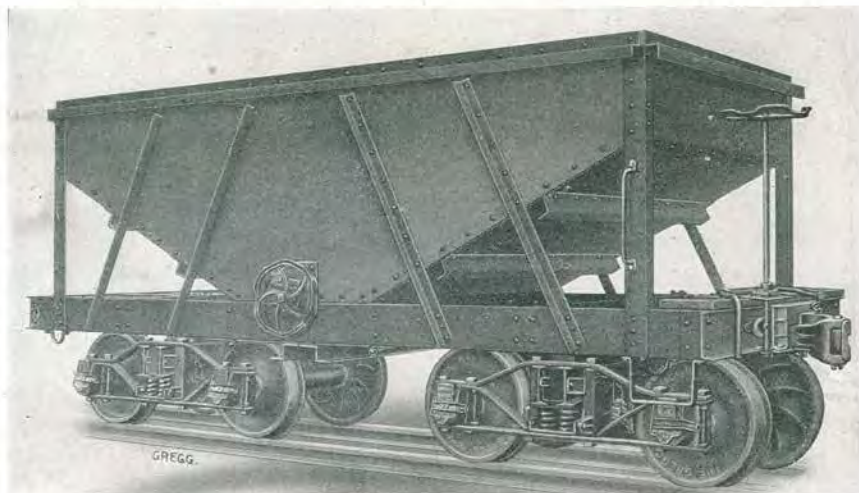


Fig. 2904—Steel Hopper Car. Capacity, 9 cu. yd.; Gage, 30 in.; Three-Quarter Size Automatic Couplers; Hand Wheel Brake Applying on One Truck; Single Door in Bottom, Dumping Over the Track. Used for Carrying Ashes, Crushed Rock or Sand for Ballast; Coal, Ore and Other Similar Materials. Builder, The Gregg Company, Ltd.



Fig. 2905—30-Ton Capacity Calcine Hopper Car. Builder, The Youngstown Steel Car Company.