

# TM 9-892

WAR DEPARTMENT TECHNICAL MANUAL

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10-TON PAYLOAD,  
14-TON GROSS,  
2-WHEEL STAKE AND  
PLATFORM SEMITRAILER *and*  
10-TON CONVERTER DOLLY

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22 APRIL 1944

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**Washington 25, D. C., 22 April 1944**

TM 9-892, 10-ton Payload, 14-ton Gross, 2-wheel Stake and Platform Semitrailer and 10-ton Converter Dolly is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

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*Chief of Staff.*

OFFICIAL:

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*Major General,*  
*The Adjutant General.*

DISTRIBUTION: X

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**10-TON PAYLOAD, 14-TON GROSS, 2-WHEEL STAKE AND  
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**PART ONE—GENERAL**

**Section I**

**INTRODUCTION**

**1. SCOPE.**

a. This manual is published for the information and guidance of personnel to whom the equipment is assigned. This manual contains information on operation and maintenance of the 10-ton Payload, 14-ton Gross, 2-wheel Stake and Platform Semitrailer, and on the 10-ton Converter Dolly, as well as descriptions of the major units and their functions in relation to the other components of this vehicle.

b. This manual has the following arrangement: *NOTE: Where dolly maintenance operations are different from those of the semitrailer, mention is made of this fact in the paragraph covering the description of the component involved, and the differences covered in the maintenance procedure which follows the description.*

(1) Part One, General, contains description and data. It lists the tools and equipment carried on the vehicle.

(2) Part Two, Operating Instructions, contains instructions for the operation of the semitrailer and dolly, with description and location of the controls and instruments.

(3) Part Three, Vehicle Maintenance Instructions, contains information needed for the performance of the scheduled lubrication and preventive maintenance services, and instructions for maintenance operations which are the responsibility of the using organizations (first and second echelons).

(4) Part Four, Ordnance Maintenance Instructions, contains information for the guidance of the third and fourth echelons of maintenance. For ordnance maintenance information on the Bendix-Westinghouse air brakes, refer to TM 9-1827A.

(5) The Appendix contains instructions for shipment and limited storage, and is followed by a list of references including standard nomenclature lists, technical manuals, and other publications applicable to the vehicle.

**2. RECORDS.**

a. Forms and records applicable for use in performing prescribed operations are listed below with brief explanations of each.

(1) **STANDARD FORM NO. 26, DRIVER'S REPORT—ACCIDENT, MOTOR TRANSPORTATION.** One copy of this form will be kept with the vehicle at all times. In case of an accident resulting in injury or property damage, it will be filled out by the driver on the spot or at his first opportunity.

## INTRODUCTION

(2) WAR DEPARTMENT FORM NO. 48, DRIVER'S TRIP TICKET AND PREVENTIVE MAINTENANCE SERVICE RECORD. This form, properly executed, will be furnished to the driver when his vehicle is dispatched on nontactical missions. The driver and the official user of the vehicle will complete in detail appropriate parts of this form. These forms need not be issued for vehicles in convoy or on tactical missions. The reverse side of this form contains the driver's daily and weekly preventive maintenance service reminder schedule.

(3) W.D., A.G.O. FORM NO. 478, MWO AND MAJOR UNIT ASSEMBLY REPLACEMENT RECORD. This form will be used by all personnel completing a modification or major unit assembly replacement to record clearly the description of work completed, date, vehicle hours, and/or mileage, and MWO number or nomenclature of unit assembly. Personnel performing the operation will initial in the column provided. Minor repairs, parts, and accessory replacements will not be recorded.

(4) W.D., A.G.O FORM NO. 6, DUTY ROSTER. This form, slightly modified, will be used for scheduling and maintaining a record of vehicle maintenance operations. It may be used for lubrication records.

(5) W.D., A.G.O. FORM NO. 461, PREVENTIVE MAINTENANCE SERVICE AND TECHNICAL INSPECTION WORK SHEET FOR WHEELED AND HALF-TRACK VEHICLES. This form will be used for all 1,000-mile (monthly) and 6,000-mile (semiannual) maintenance services and all technical inspections performed on wheeled or half-track vehicles.

(6) W.D., O.O. FORM NO. 7353, SPOT-CHECK INSPECTION REPORT FOR ALL MOTOR VEHICLES. This form may be used by all commanding officers or their staff representatives in making spot-check inspections on all vehicles.

(7) W.D., A.G.O. FORM NO. 468, UNSATISFACTORY EQUIPMENT RECORD. This form will be used for reporting manufacturing, design, or operational defects in materiel with a view to improving and correcting such defects, and for use in recommending modifications of materiel. This form will not be used for reporting failures, isolated materiel defects, or malfunctions of materiel resulting from fair wear and tear or accidental damage, nor for the replacement, repair, or the issue of parts and equipment. It does not replace currently authorized operational or performance records.

(8) W.D., O.O. FORM NO. 7370, EXCHANGE PART OR UNIT IDENTIFICATION TAG. This tag, properly executed, may be used when exchanging unserviceable items for like serviceable assemblies, sub-assemblies, parts, vehicles, and tools.

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## 10-TON PAYLOAD, 14-TON GROSS, 2-WHEEL STAKE AND PLATFORM SEMITRAILER AND 10-TON CONVERTER DOLLY

### Section II

## DESCRIPTION AND TABULATED DATA

### 3. DESCRIPTION.

a. **Semitrailer** (figs. 1 and 2). The 10-ton semitrailer, is a two-wheel, single-axle vehicle having dual tires. A vertical-type landing gear is provided at drop in frame to support the front of the semitrailer when it is disconnected from the towing vehicle or dolly. The body frame is built integral with the chassis. The racks can be removed to convert the trailer into a platform-type vehicle. The springs are of the semielliptic type. The rear ends of the main springs are mounted in shackles. The front ends are supported in stationary brackets. The semitrailer has an open top, and is provided with a tarpaulin. The brakes are actuated by air, and are of the internal-expanding type. The brakes are controlled by a foot or hand controller mounted in the towing vehicle. The semitrailer is towed by a tractor truck equipped with a fifth wheel. Both regular and blackout lights are provided.

b. **Dolly** (figs. 3 and 4). The dolly is used to convert the semitrailer into a four wheel trailer. The dolly is equipped with a fifth wheel for coupling the dolly to the semitrailer. The dolly is equipped with an A-type draw bar. A swivel-type lunette is provided at the front end of the draw bar for coupling to a pintle hook on towing vehicle. The dolly is not equipped with lights or brakes. A stiff-leg, fold-back landing gear is installed at the front of the draw bar. The landing gear keeps the dolly in a level position when disconnected from towing vehicle.

### 4. SEMITRAILER DATA.

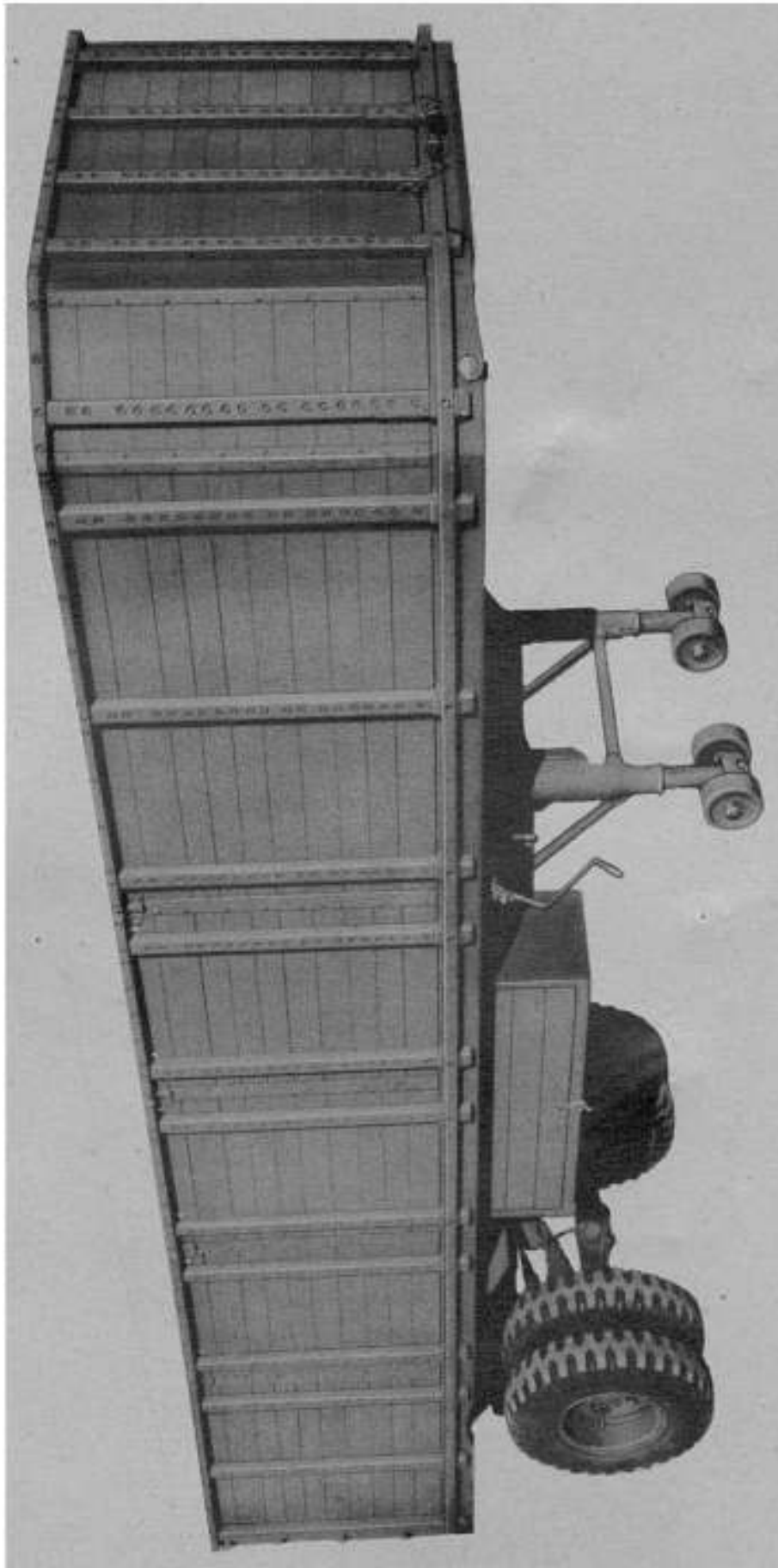
#### a. Physical Characteristics:

Weight empty .....	9,430 lb
Maximum payload .....	10 ton
Height of racks .....	4 ft 0 in.
Height from ground to top of racks (empty) ....	8 ft 8 $\frac{3}{4}$ in.
Height from ground to top of racks (loaded)....	8 ft 5 $\frac{3}{4}$ in.
Length over-all .....	25 ft 6 $\frac{5}{16}$ in.
Width over-all .....	7 ft 11 $\frac{3}{4}$ in.
Width inside .....	7 ft 5 $\frac{3}{4}$ in.
Ground clearance under rear axle .....	1 ft 4 in.
Ground clearance under landing gear wheels ....	1 ft 2 $\frac{1}{2}$ in.

#### Tires:

Quantity (interchangeable with towing vehicle and dolly) .....	4
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**DESCRIPTION AND TABULATED DATA**



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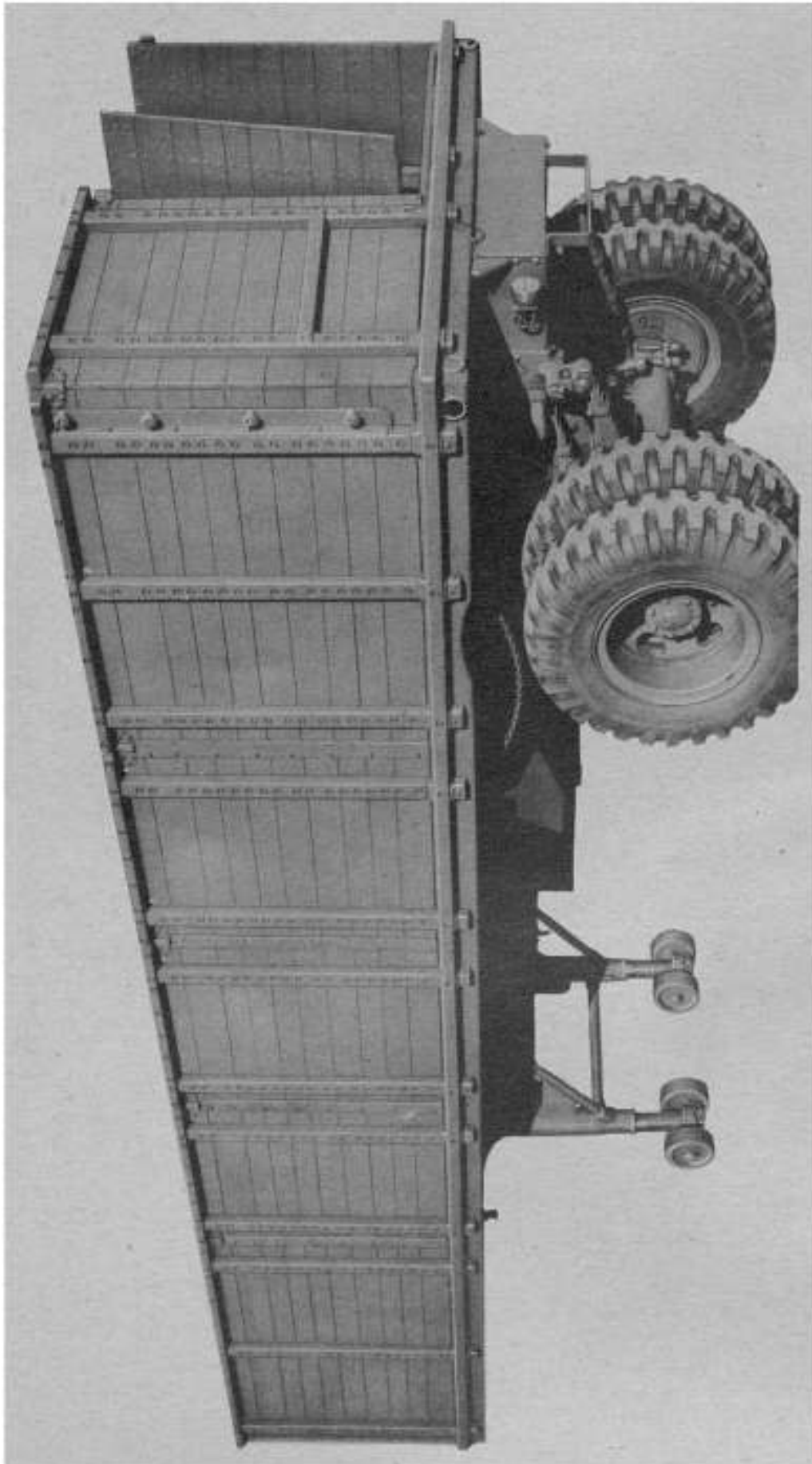
**Figure 1—Semitrailer—Three-quarter Right Front View**



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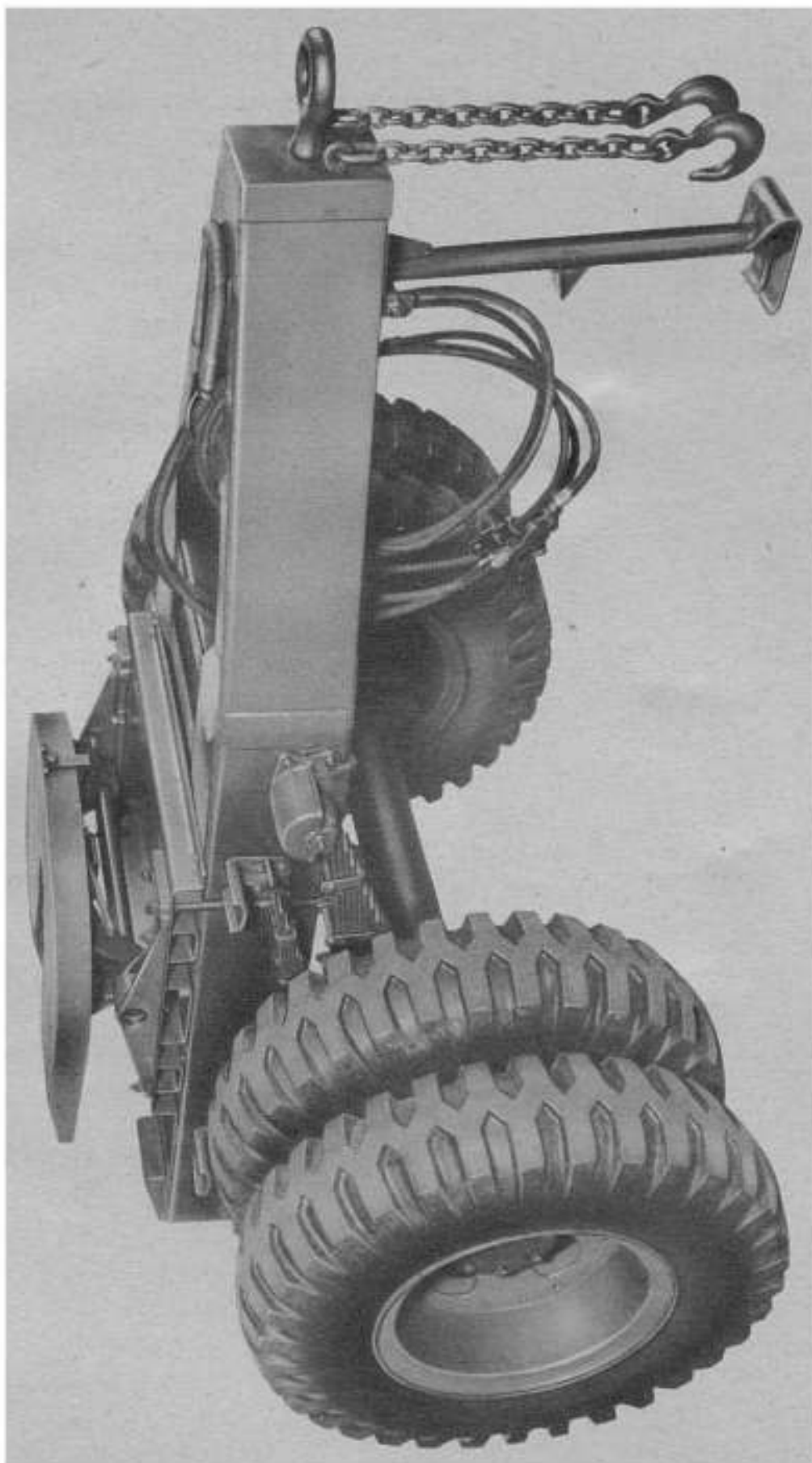
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PLATFORM SEMITRAILER AND 10-TON CONVERTER DOLLY**



RA PD 334360

**Figure 2—Semitrailer—Three-quarter Left Rear View**

**DESCRIPTION AND TABULATED DATA**



RA PD 334362

**Figure 3—Dolly—Three-quarter Right Front View**