

112 and 115 Chuck Wagons



OPERATORS MANUAL

112 and 115
Chuck Wagons

OMC15751 A4 English

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LITHO IN U.S.A.
ENGLISH





to the purchaser

Your new chuck wagon has been built to withstand all-weather use and the abuse of cattle feeding chores in muddy feed lots. Material and workmanship are the best.

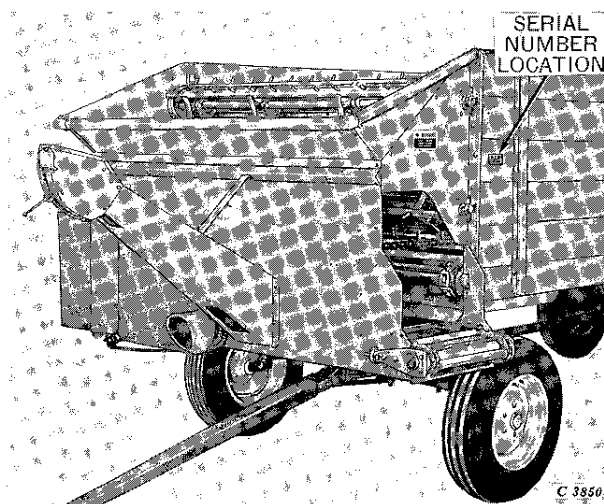
This machine will serve you in direct proportion to the care you give it. Before putting the wagon to work, read this manual carefully to become fully acquainted with the operation, lubrication, and service of the machine. The instructions contained in the manual will help you to obtain long life and satisfactory service. Store the manual in a safe, convenient place so that you can refer to it quickly and easily.

When in need of new parts or service, consult your John Deere dealer. He is equipped to provide genuine John Deere replacement parts: his servicemen have the training and experience to service your equipment efficiently.

Location references

References made in this manual to the right-hand and left-hand sides of the chuck wagon have been determined by standing at the rear of the machine, facing in the direction of travel.

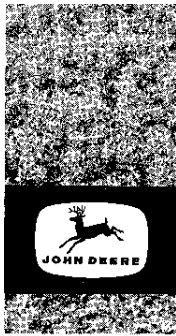
Serial number identification



The serial number of your new chuck wagon is located on the front left-hand side of the wagon. Record this number in the space below for reference when requesting information or ordering parts.

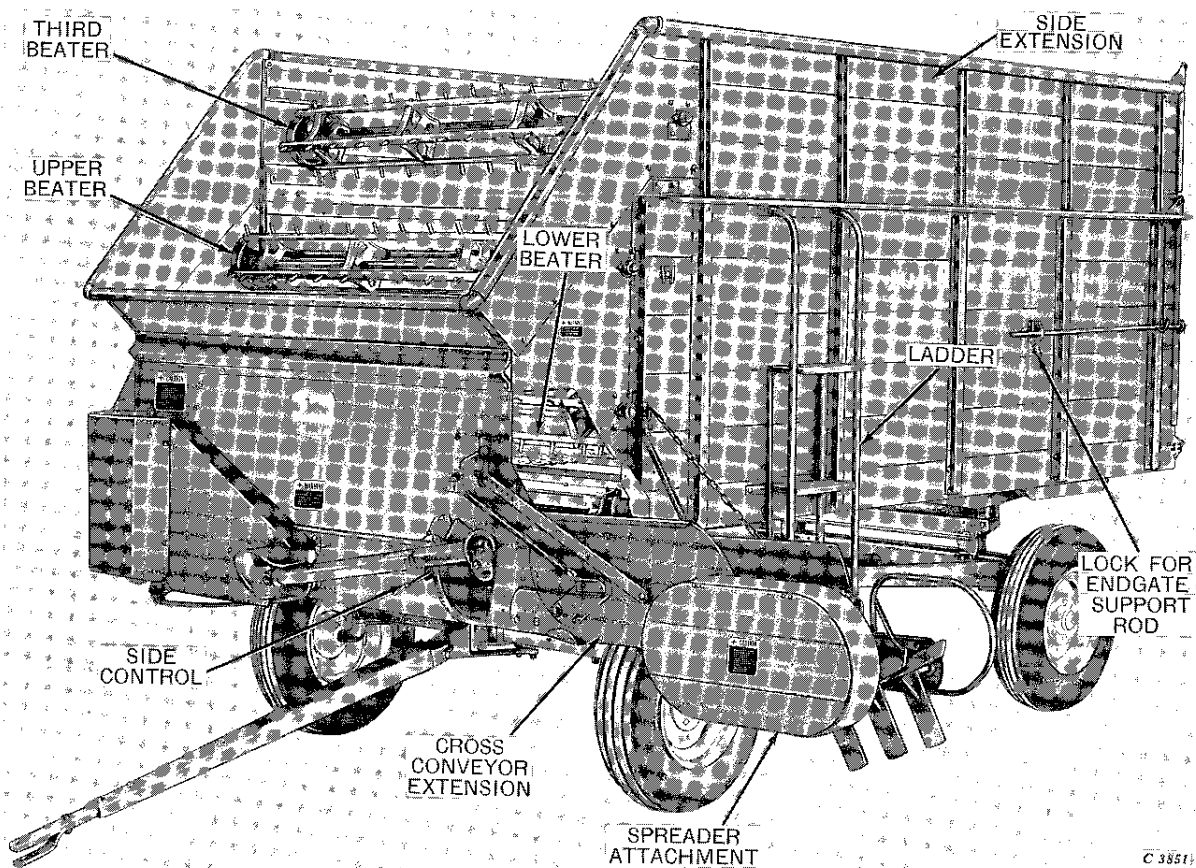
Chuck Wagon Serial No.

Date Purchased.

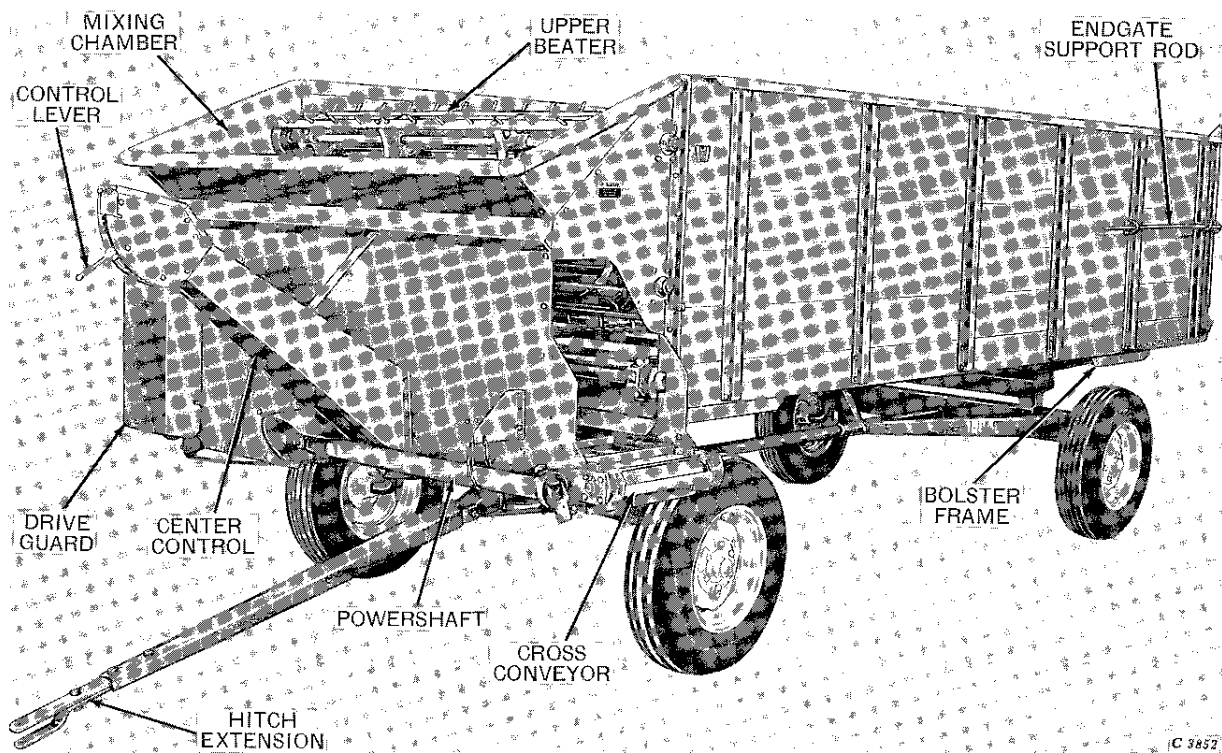


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John Deere 112 Chuck Wagon with side control, third beater, side extension, cross conveyor extension, spreader attachment, and ladder mounted on 1064 Wagon



John Deere 115 Chuck Wagon with center control mounted on 1064 Wagon



specifications

DRIVEN BY:

Tractor 540 or 1000 rpm PTO or truck PTO

APRON CONVEYOR:

Number of chains 4
Type of drive Ratchet
Control Center-mounted
(with or without optional extension) or
side-mounted
Number of speeds 5 forward, 5 reverse
Speeds (at PTO speed of 540 rpm):
1st notch 2.33 fpm
2nd notch 4.66 fpm
3rd notch 6.99 fpm
4th notch 9.32 fpm
5th notch 11.65 fpm

CROSS CONVEYOR:

Type of drive Chain
Width 20 inches
Opening through left side of
mixing chamber 451 square inches
Number of chains 2

BEATERS:

Bar diameter (regular beater) 9-1/2 inches
(optional lower
beater) 13-3/4 inches
Tip diameter (regular beater) 13-1/2 inches
(optional lower
beater) 17-3/4 inches
Shaft diameter (all beaters) . . 1-1/4 inches
Type of bearings (all beaters) Sleeve
Type of drive Chain

WEIGHT—Empty

With 2 beaters, cross conveyor extension and
1064 bolster support:
112 2466 pounds
115 2740 pounds
With 3 beaters, cross conveyor extension, and
1064 bolster support:
112 2822 pounds
115 3112 pounds

DRIVE OVERLOAD PROTECTION:

Type Shear pins
Number of replacement pins provided:
Beater clutch 3
Cross conveyor clutch 3

BOX INTERIOR DIMENSIONS:

Width 75 inches
Length:
Less mixing chamber:
112 144-3/16 inches
115 180-11/16 inches
Including mixing chamber:
112 164-7/16 inches
115 200-15/16 inches
Depth:
2-beater 38 inches
3-beater 60-1/2 inches

OVER-ALL DIMENSIONS:

Width (with cross conveyor extension
raised) 96 inches

HEIGHT: *

2-beater 80 inches
3-beater with side extensions 102-1/2 inches
Side Extension (with optional
arches) 129-1/2 inches

Height from ground: *

To top of front of mixing
chamber 67-1/4 inches
To bottom of level cross conveyor
extension 26 inches
To bottom of fully raised cross
conveyor extension 40-3/4 inches

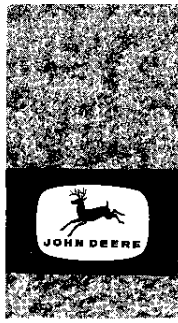
Length:

With center control:
112 211-1/8 inches
115 247-5/8 inches
With side control:
112 182-3/4 inches
115 219-1/4 inches

EXTRA EQUIPMENT: Third beater, side extensions, cross conveyor extension, spreader attachment, grain shield attachment, ladder, and arches.

** Mounted on John Deere 1064 Wagon with 7.50 x 16, 8-ply implement tires.*

(Specifications and design subject to change without notice.)



description

Uses

The John Deere 112 and 115 Chuck Wagons are versatile, large-capacity machines that can be driven by a tractor equipped with 540- or 1000-rpm power take-off drive or by a truck equipped with power take-off drive.

The name, "chuck wagon," indicates that this is a feeding wagon. This is one of its principal uses. The demand for mixing various combinations of feed rations for stock caused the feed wagon to become more flexible to meet this need. Hence, it is a mixing wagon as well as a feed wagon. At the same time, it performs the vital task of hauling chopped material and unloading it with a minimum of labor.

The chuck wagon permits mixing feeds and hauling forage, chopped hay, straw, or other such materials from the field. The contents may be unloaded by a controlled, even feed from the front cross conveyor into elevators or blowers. If desired, unloading can be accomplished from the rear by lifting the endgate and reversing the apron conveyor direction of travel.

Side extensions may be added to increase the capacity of the chuck wagon.

A third beater attachment is available to assist in unloading the additional material.

A cross conveyor extension is available to permit ease of discharge from the front conveyor for bunk feeding.

Spreader and grain shield attachments are also available to adapt the machine to an even wider variety of applications.

Another item of extra equipment is the ladder, for ease in climbing on and off the wagon.

Mounting

For tractor PTO operation

If the chuck wagon is to be driven by a tractor PTO, it is recommended that the machine be mounted on a John Deere Wagon equipped with rocking or solid bolster. For proper tire inflation and maximum speed of operation at various loads, see page 15. Other wagons of sufficient hauling capacity also may be used.

For truck PTO operation

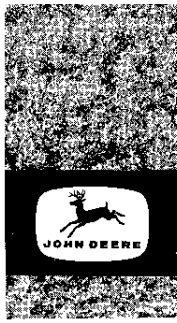
This chuck wagon also can be mounted on a truck bed and driven by the truck PTO.

Hauling capacity

The chart below shows hauling capacity for various wagon gears, tire sizes and types, and types of loads. **Never exceed 20 mph when towing a chuck wagon.**

Chuck Wagon Model	Height of Sides Inches	Light Loads (Straw, etc.)			Medium Loads (Wilted Hay, etc.)			Maximum Loads (Wet Silage, etc.)		
		Recommended Wagon Gear	Minimum Tire Size	Gross Weight Lbs.	Recommended Wagon Gear	Minimum Tire Size	Gross Weight Lbs.	Recommended Wagon Gear	Minimum Tire Size	Gross Weight Lbs.
112	38	953 or larger	7.60-15 6-ply	7,060	963 or 1064	7.50-16 6-ply	7,880	963, 1064 or 1074	7.50-16 8-ply	10,080
112	60-1/2	953 or larger	7.60-15 6-ply	7,060	963 or 1064	7.50-16 8-ply	10,080	1074	Airplane or Truck	13,600
115	38	963 or 1064	7.50-16 6-ply	7,880	963, 1064 or 1074	7.50-16 8-ply	10,080	963, 1064 or 1074	7.50-16 10-ply	11,040
115	60-1/2	963, 1064 or 1074	7.50-16 8-ply	10,080	1074	Airplane or Truck	13,600	1074	Airplane or Truck	16,400

NOTE: All tires shown above are implement tires except those described as airplane or truck tires. Used automotive tires may be substituted for above rib implement tires if the tires are sound, and load ratings are observed. See page 15 for proper tire inflation.



operation

Tractor or truck controls

This chuck wagon is operated by the power take-off drive of a tractor or truck. Two controls for its operation are located on the tractor or truck—the throttle (or speed control lever) and the PTO clutch lever.

The throttle setting helps to determine the chuck wagon apron conveyor speed. Use the throttle position recommended for operating the power take-off to obtain the apron conveyor speeds given on page 6.

Use the PTO clutch lever on the tractor or truck to engage and disengage the power take-off. This lever must be engaged before operating the chuck wagon and may be disengaged to interrupt its operation.

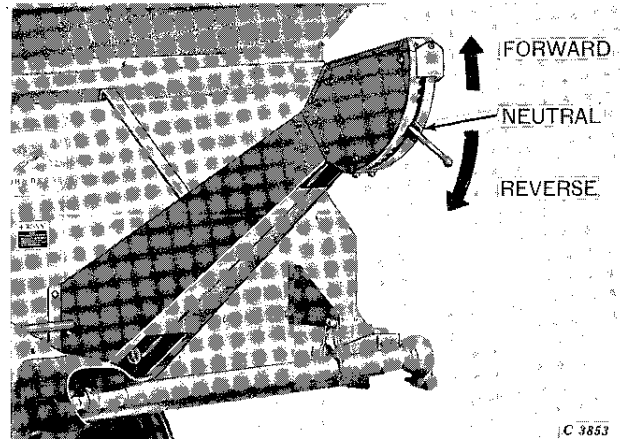
Refer to your tractor or truck operator's manual for complete instructions on operating these controls.

Chuck wagon control

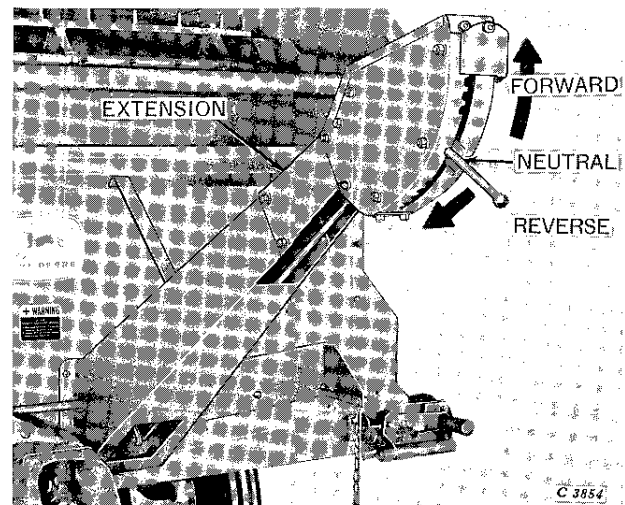
Location

The control lever for operating the apron conveyor may be center-mounted at the front or side-mounted at the front toward the left-hand side.

The center control, which places the control lever assembly above and forward from the mixing chamber, is convenient for tractor operation. An extension is available for this control when the chuck wagon is to be used with a John Deere 2010, 3020, 4020, 3010 or 4010 Tractor.



Center control (lever in neutral)



Center control with extension (lever in neutral)

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