

BEDDERS AND PLANTERS NO. 50 SERIES



OPERATORS MANUAL BEDDERS AND PLANTERS NO. 50 SERIES

OMA37353 C3 English

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LITHO IN THE U.S.A.
ENGLISH



YOUR NEW BEDDER AND PLANTER

Behind your new bedder and planter is an organization that has designed and built farm implements for over 110 years. This bedder and planter was built in a John Deere factory by experienced men, many who have worked in this large plant for from ten to forty-five years, thus assuring the utmost in good design, high-grade workmanship, and thorough inspection, so essential to the production of good implements.

High-quality materials, precision production methods, and accurately-controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and profusely illustrated so you may make the necessary adjustments for adapting your bedder and planter to work properly in practically all types of soil and field conditions. These adjustments, such as row spacings, proper penetration, etc., are fully covered in this manual. Study this manual carefully and make it your guide.

Occasionally, your bedder and planter may need new parts to replace worn parts, or require emergency service not covered in this manual. If so, we suggest that you take advantage of the facilities offered by your John Deere dealer, which assures you of genuine John Deere Parts and prompt "know-how" service in the field or shop.

If you will furnish your dealer the part number, description, and the information which should be recorded at the bottom of this page, when the bedder and planter is delivered, he can give you prompt and efficient service.

John Deere No. 50 Series Bedders and Planters	
No. of Bedder and Planter	
Date Purchased	19
<i>(To be filled in by Purchaser)</i>	

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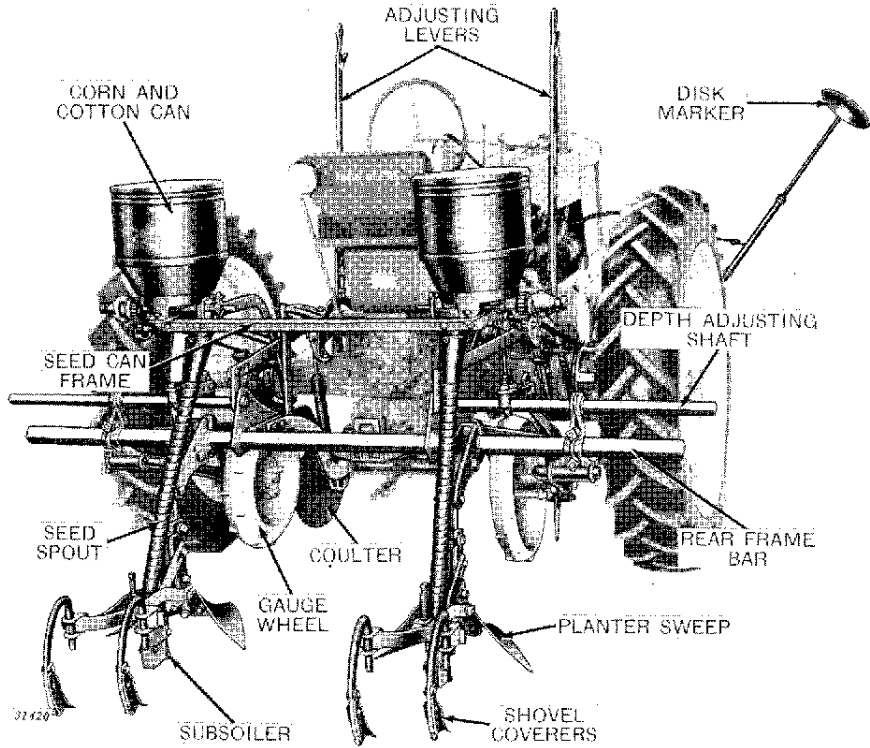


Figure 1—John Deere No. 52 Bedder with Planting Attachment

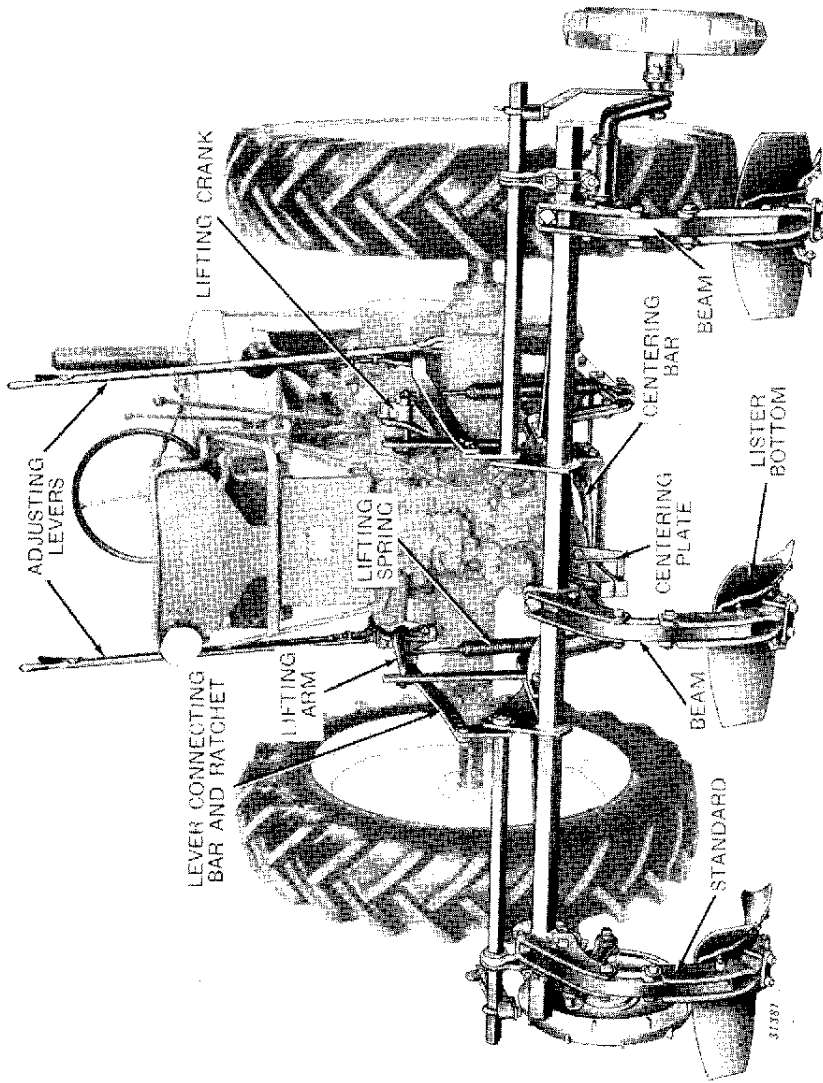


Figure 2—John Deere No. 53 Bedder with Lister Bottoms

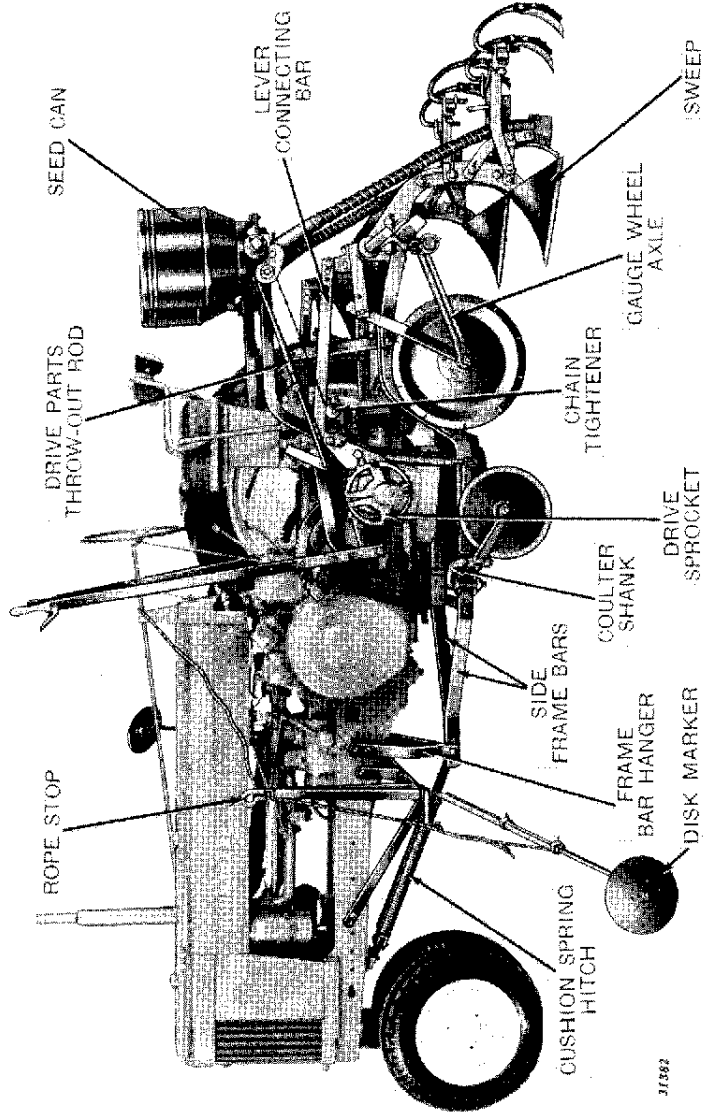


Figure 3—Side View of John Deere No. 52 Bedder with Planting Attachment
(Left-Hand Tractor Wheel Removed to Show Details)

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SPECIFICATIONS AND DATA

TYPES—No. 51 Bedder—Frame, complete with cushion spring hitch, steel gauge wheels and axles, and 8-foot rear frame bar.

No. 52 Bedder—Frame, complete with cushion spring hitch, steel gauge wheels and axles, 8-foot rear frame bar, two beams and standards and two bottoms or sweeps as ordered. Special equipment available includes: Root Cutters, Chisel Attachments, Disk Marker Attachment, Disk Gang Attachment, Loose and Hard Ground Furrow Attachment and a choice of the following Planting Attachments: PA52, PA53, PA54, PA55, PA56, PA57, PA58, or PA59.

No. 53 Bedder—Frame, complete with cushion spring hitch, steel gauge wheels and axles, 8-foot rear frame bar, three beams and standards and three bottoms or sweeps as ordered. Special equipment available includes: Root Cutters, Chisel Attachments, and Rolling Coulters.

No. 54 Bedder—Frame, complete with cushion spring hitch, steel gauge wheels and axles, 10-foot 4-inch rear frame bar, two beams and standards and two bottoms or sweeps as ordered. Special equipment available includes: Root Cutters, Chisel Attachments, Rolling Coulters and Disk Marker.

HITCH—Cushion spring hitch, regular.

BOTTOMS—Open-foot type as ordered.

COULTERS—14-inch Rolling Coulters, available when ordered.

WHEELS—Steel wheel, regular; V-rim cast, and RW18A Wheel with or without 4.00x12 tire and tube special, available when ordered.

DISK MARKER—No. 14 and No. 18 Attachments, available when ordered.

SPRING TEETH—Seven or nine coiled spring teeth for 8-foot Tool Bar and eleven or thirteen coiled spring teeth for 10-foot 4-inch Tool Bar, available as ordered.

BORDER MARKER ATTACHMENT—Available when ordered. 24-inch Plain Disks regular; 20-inch Plain Disks, 22-inch Plain Disks, and 22-inch Notched Disks, optional.

KNIFE ATTACHMENT—Optional, available with 40-inch or 48-inch knives.

SKIP ROW ATTACHMENT—Available when ordered.

PLANTING ATTACHMENTS:

PA52 consists of two corn cans or two cotton and corns cans, subsoilers, disk coverers, frame and brackets, and drive parts.

PA53 consists of two corn cans or two cotton and corn cans, subsoilers, disk coverers, frame and brackets, drive parts and two standard bundles with SB252A bottoms.

PA54 consists of two corn cans, No. 30 shovel coverers, frame and brackets and drive parts.

PA55 consists of two corn cans, disk coverers, frame and brackets, and drive parts.

PA56 consists of two cotton and corn cans, knife coverers, frame and brackets and drive parts.

PA57 consists of two cotton and corn cans, No. 31 shovel coverers, frame and brackets and drive parts.

PA58 consists of two cotton and corn cans, disk coverers, frame and brackets and drive parts.

PA59 consists of two cotton and corn cans, No. 30 shovel coverers, frame and brackets and drive parts.

PRESS WHEELS—Available when ordered.

NOTE: When the terms "Right" or "Left" are used, it means from a position behind the bedder or planter and looking toward the front.

(It is John Deere policy to improve our machines at every opportunity; consequently, it may be necessary to change design without notice.)

TIRE INFLATION TABLE FOR JOHN DEERE TRACTORS WITH No. 50 SERIES BEDDERS AND PLANTERS

INFLATION PRESSURE FOR REAR TIRES

Tractor	Tire Size	Ply	Equipment	Inflation Pressure Without Added Wheel Weights	Maximum Permissible Additional Weight per Wheel at Maximum Inflation Pressure as Shown
50	10-38	4	Cast	16	0 @ 16 lbs.
50	11-38	4	Cast	14	0 @ 14 lbs.
50	11-38	6	Cast	14	0 @ 14 lbs.
50	9-42	6	Cast	22	0 @ 22 lbs.
50	11-42	6	Cast	14	0 @ 14 lbs.
60	11-38	6	Cast	16	100 @ 16 lbs.
60	12-38	6	Cast	12	100 @ 12 lbs.
60	9-42	6	Cast	26	0 @ 26 lbs.
60	11-42	6	Cast	16	100 @ 16 lbs.
B-BN	10-38	4	Pressed Steel	14	300 @ 14 lbs.
BW	10-38	4	Cast	14	0 @ 14 lbs.
	9-42	6	Cast	20	0 @ 20 lbs.
A-AN	11-38	6	Pressed Steel	16	950 @ 20 lbs.
AW	11-38	6	Cast	16	650 @ 20 lbs.
	11-42	6	Cast	16	650 @ 20 lbs.

Before attaching the No. 50 Series Bedders to tractor, remove all cast or liquid ballast in excess of the permissible additional weight in the last column of inflation table for tire size used on tractor.

A set of Front Wheel Weights is required to provide good steering and tractor stability on the Model "B" Tractor when it is operated with the bedder and skip row planting attachment, and the bedder with the two-row planting and fertilizing attachments.

INFLATION PRESSURE FOR ALL SIZE FRONT TIRES: 4-Ply—28 lbs.
6-Ply—36 lbs.

OPERATING AND ADJUSTING INSTRUCTIONS

The John Deere No. 50 Series Bedders and Planters meet all the requirements of the territories using this type equipment. They are used for blank listing or middlebreaking, relisting, and sweeping the beds. When equipped with planting attachment, they will plant either in the furrow made with the lister bottoms or when used with planter sweeps they will plant on top of the beds. Equipment is available to convert the bedder to a spring-tooth field cultivator, border maker, subsoiler or panbreaker.

ATTACHING TO TRACTOR.

Remove the power take-off master shield.

Back the tractor up to the bedder and stop in position over the hitch.

Place centering bar, Figure 5, through hole in centering bar plate.

Bolt the hitch crossbar, Figure 4, to the tractor frame.

Bolt frame bar hanger to tractor and frame bars. See Figure 4. On Models "50," "60," and "A" Tractors use the front hole in bedder frame bars and the top hole in the hanger. On Model "B" Tractor, bolt the hitch in the center hole in bedder frame bars and the lower holes in the hanger.

Important: The cross brace, Figure 4, must be positioned so it clears the oil filter case underneath the tractor when bedder is lifted.

Attach the power lift arms and lift springs as shown in Figure 5.

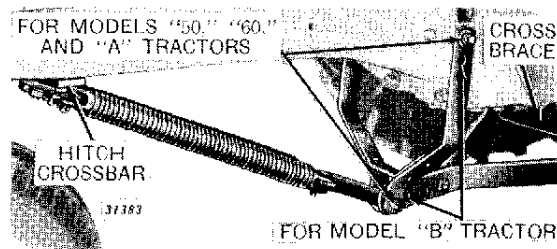


Figure 4—Cushion Spring Hitch

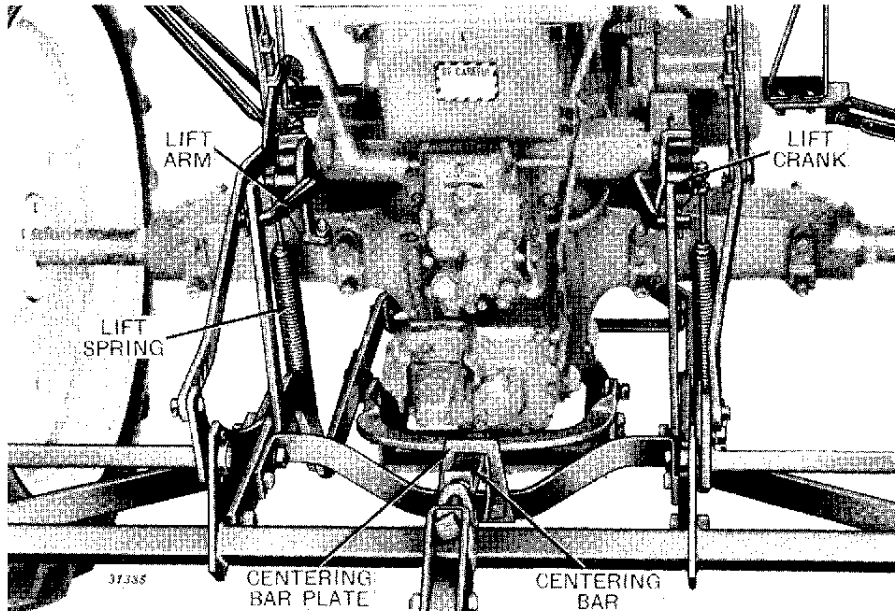


Figure 5—Frame Detail

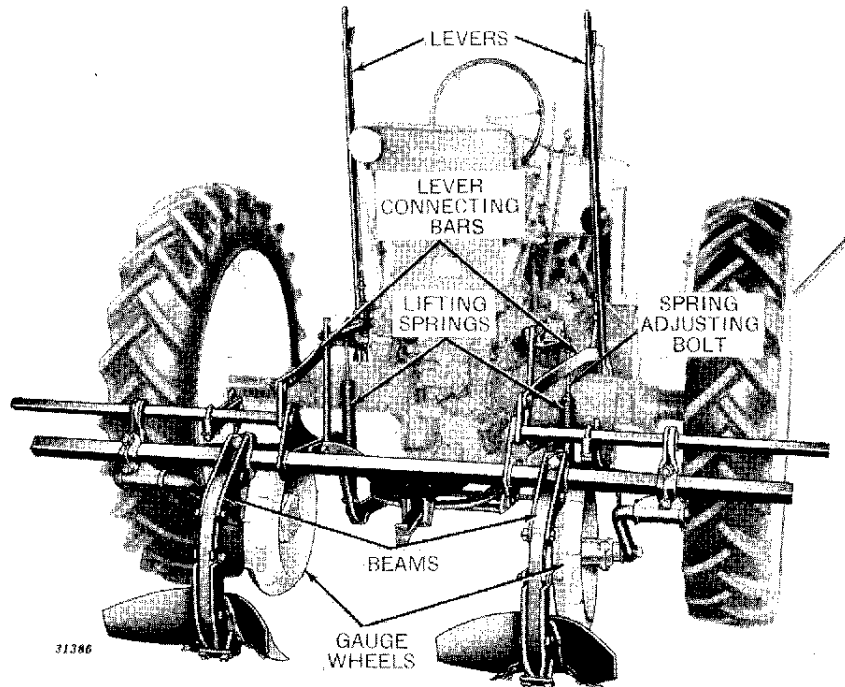


Figure 6—Levers and Lifting Springs

LEVERS.

There are five holes in the lever connecting bars as shown in Figure 6. For Model "B" Tractor, use the middle or two forward holes. For Models "50," "60," and "A" Tractors, use the middle or two rear holes. These holes equalize the range of adjustment.

ADJUSTING ROW WIDTH.

The No. 50 Series Bedders are adjustable for row spacings of 36, 38, 40, and 42 inches. The spacing is changed by moving the beams in or out on the rear frame bar. Set the gauge wheels and tractor wheels accordingly.

ADJUSTING DEPTH.

The bedder is raised or lowered easily with tractor Powr-Trol lever. The gauge wheels regulate the working depth and are controlled by the two adjusting levers.

LIFTING SPRINGS.

These Bedders use the single lifting springs as shown in Figure 6.

Tension on the lifting springs may be regulated by adjusting the bolt at top of springs, and should be increased or decreased according to the weight of the implement. Too much tension will result in poor penetration, and not enough tension will result in additional lift load on the power lift.

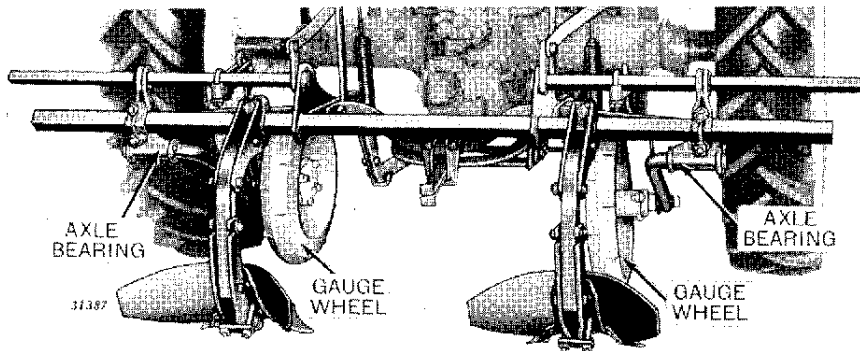


Figure 7—Gauge Wheels in Narrow Setting

GAUGE WHEELS.

When bedder is used as a two-row machine, set the gauge wheels directly in front of the plow bottoms and inside of the tractor wheels. The long end of barrel of axle bearing, Figure 7, should be toward the inside.

When bedder is used as a three-row machine the axle bearing castings, Figure 8, must be reversed, and the gauge wheels set at the outer end of the rear frame bar, outside of the tractor wheels.

These instructions must be followed in order to keep the proper pitch in the gauge wheels for all settings, thereby reducing end pressure and preventing excessive wear on the wheel boxes.

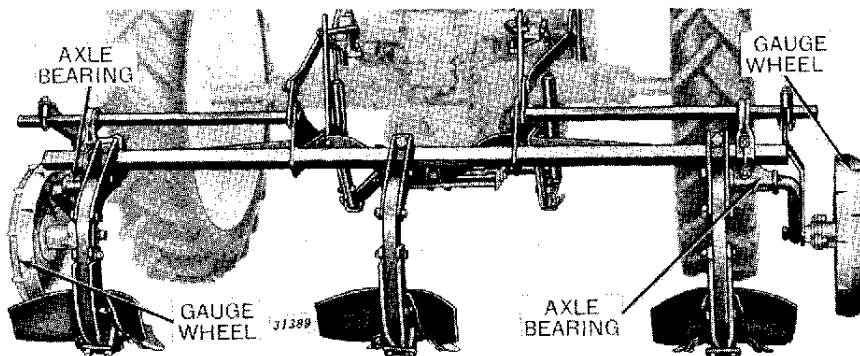


Figure 8—Gauge Wheels in Wide Setting

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