

**220 SERIES
ROW-CROP CULTIVATOR
FOR MODELS "50," "60,"
AND "70" TRACTORS WITH
ADJUSTABLE FRONT AXLE**



JOHN DEERE

OPERATORS MANUAL

220 SERIES ROW-CROP CULTIVATOR FOR
MODELS "50," "60," AND "70" TRACTORS WITH
ADJUSTABLE FRONT AXLE

OMN27154 (01JAN54) English

OMN27154 (01JAN54)

LITHO IN THE U.S.A.
ENGLISH



YOUR NEW CULTIVATOR

Behind your new cultivator is an organization that has designed and built farm implements for over 115 years. This cultivator was built in a John Deere Factory by experienced men, thus assuring the utmost in design, high-grade workmanship, and thorough inspection, so essential to the production of good cultivators.

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 illustrated so that you may make the necessary adjustments for adapting your cultivator to work properly in all types of field cultivation. These adjustments such as row spacing and proper leveling of shovels or sweeps are fully covered in this manual. Study the manual carefully and make it your guide.

Occasionally your cultivator may need new parts to replace worn parts or emergency service may be required that is 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 or other 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 cultivator is delivered, he can give you prompt and efficient service.

JOHN DEERE 220 SERIES ROW-CROP CULTIVATOR

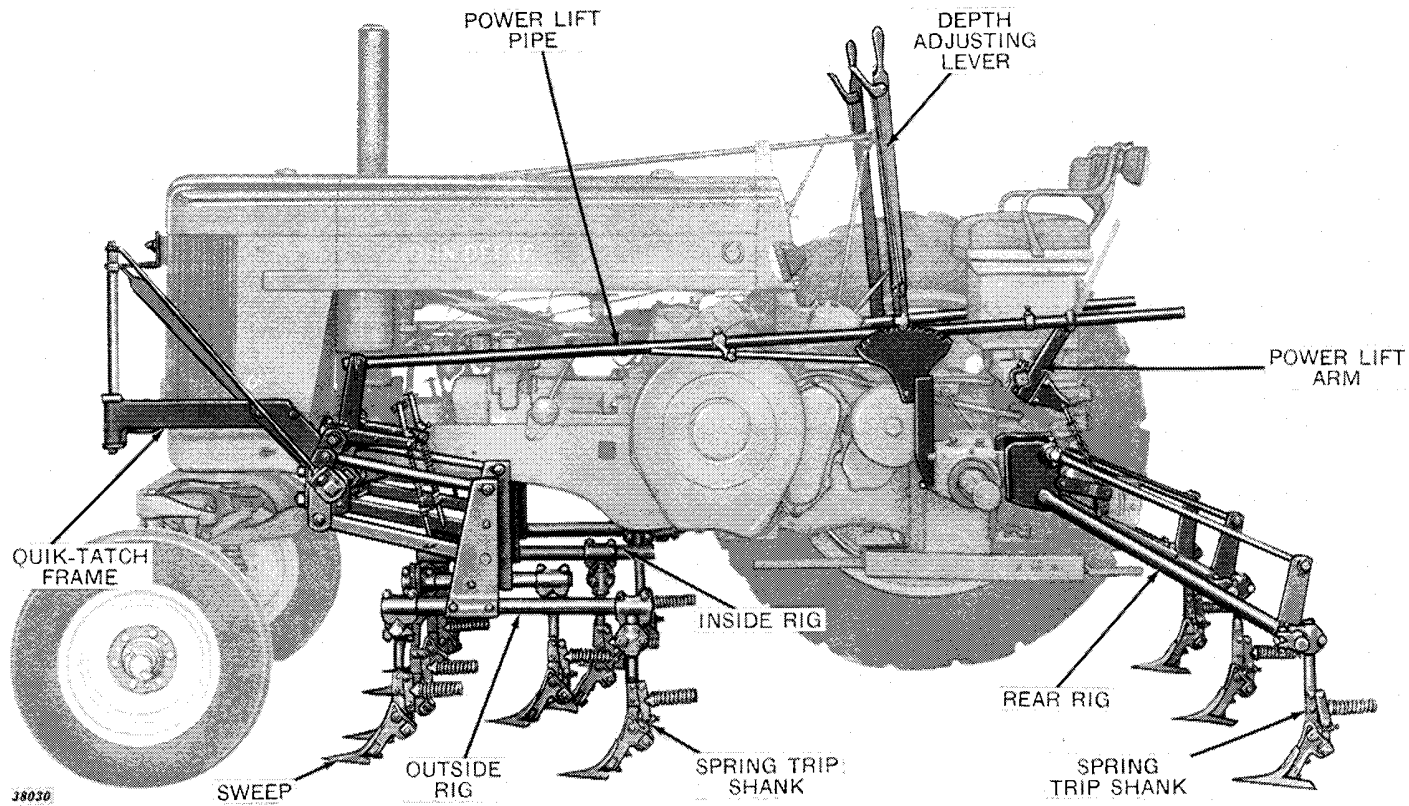
No. of Cultivator

Date Purchased 19.....

(To be filled in by Purchaser)

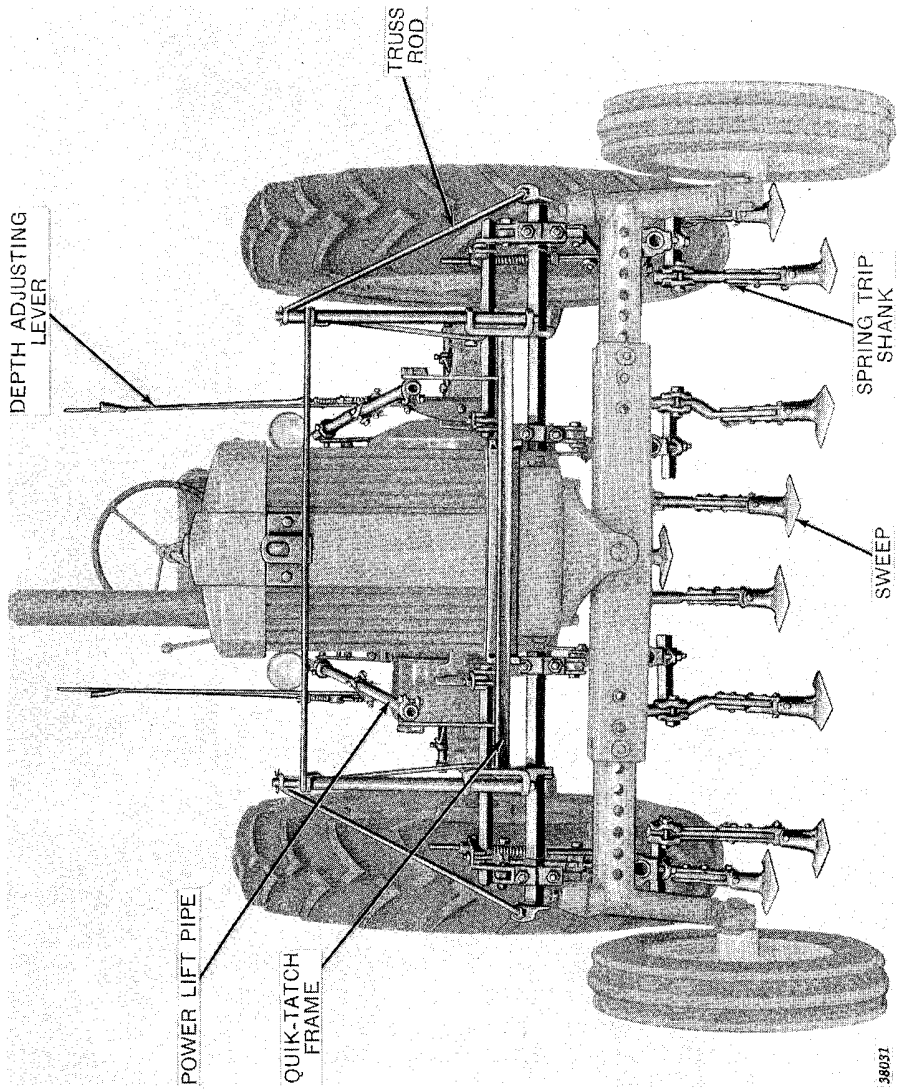
TABLE OF CONTENTS

	<i>Page</i>
IDENTIFICATION OF CULTIVATOR PARTS.....	2-3
SPECIFICATIONS.....	4
OPERATION.....	5-18
Depth Adjustment.....	5
Cultivating Point Rows.....	5
Leveling Front Rigs.....	5
Tilting Front Rigs.....	6
Rig Clamp.....	6
Adjusting Crossarms.....	7
Leveling Shovels or Sweeps.....	8
Adjusting Shank Vertically.....	8
Leveling Sweep Wings.....	8
Spring Trips.....	9
Attaching Cultivator.....	10-12
Detaching Cultivator.....	13
Row Spacing.....	14
Shields.....	15
EXTRA EQUIPMENT.....	16
Disk Hillers.....	16
Knife Attachment.....	16
MAINTENANCE SUGGESTIONS.....	17
Shovels and Sweeps.....	17
Shapening Shovels and Sweeps.....	17
Lubrication.....	17
Rigs.....	17
Tractor Tire Inflation Pressures.....	17
ASSEMBLY.....	19-31
General Instructions.....	19
Overhead View of 222 Cultivator.....	20
Regular and Extra Shipping Bundles.....	21
Setting Tractor Front and Rear Wheels.....	22
Attaching Front Frame.....	23
Quik-Tatch Frame.....	24
Attaching Front Rigs.....	25
Lifting Arms, Lifting Pipes, and Depth Adjusting Levers.....	26
Clamps, Shanks, and Shovels.....	27
Rear Rigs.....	27
Overhead View of 222 Cultivator.....	28
Shields.....	29
Setting the Cultivator Correctly.....	30-31



**Figure 1—John Deere 222 Power Lift Row-Crop Cultivator
(Tractor Wheel Removed to Show Cultivator Detail)**

38030



38031

Figure 2—Front View—John Deere 222 Power Lift Row-Crop Cultivator

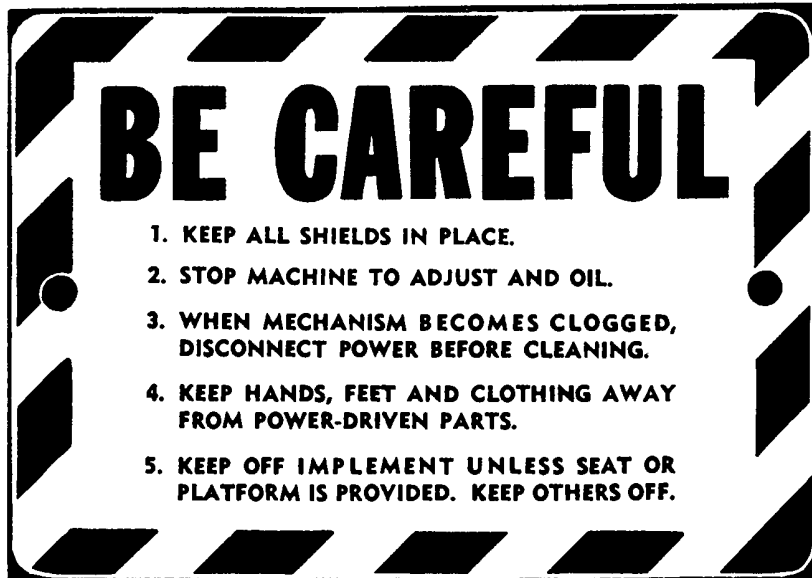
SPECIFICATIONS

The No. 220 Series Two-Row Quik-Tatch Cultivator is designed for John Deere Models "50," "60," and "70" Tractors having an adjustable front axle with 48" to 80" tread.

The No. 220 Series Cultivator consists of the following:

Type of Shanks and Number Used				
Number of Cultivator	Front Rigs	Rear Rigs	Total Shovels or Sweeps	Row Spacing
222	{ 8 Spring Trip { 1-3/8" Shanks	{ 3 Spring Trip { 1-3/8" Shanks	11	34"-42"

The No. 222 Cultivators are erected at the factory for 40-inch row spacing. To adjust rigs for other row spacing, see page 14.



OPERATION

5

DEPTH ADJUSTMENT.

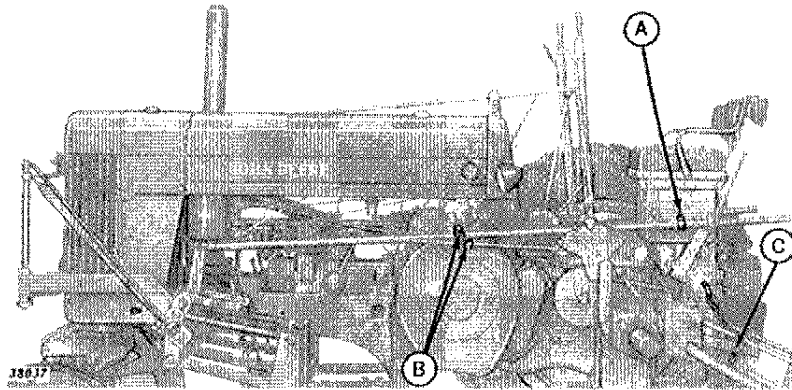


Figure 3—Depth Adjustment

The position of the collar, "A," Figure 3, determines the height of lift of the cultivator front rigs. Do not set the collar too far back on the pipe because the cultivator rigs might lift too high, strike the tractor, and break. The positions of the two collars at "B," Figure 3, determine the maximum working depth. When adjusting the collars be sure rod will not slip out of the large collar when the rigs are lifted.

The maximum working depth of the rear rigs is controlled by connecting the rear rig lifting bracket to different links in the lifting chains as shown at "C," Figure 3.

When starting to cultivate, set the levers for the maximum depth desired. Then use Powr-Trol to lift and drop the rigs, and to adjust the working depth to the field conditions encountered.

CULTIVATING POINT ROWS.

The two notches in the front end of the ratchet for the depth-adjusting levers are used to hold up either side of cultivator when working point rows.

LEVELING FRONT RIGS.

Each front rig lifting rod has a collar and set screw that can be adjusted up or down so all rigs will operate at the same level.

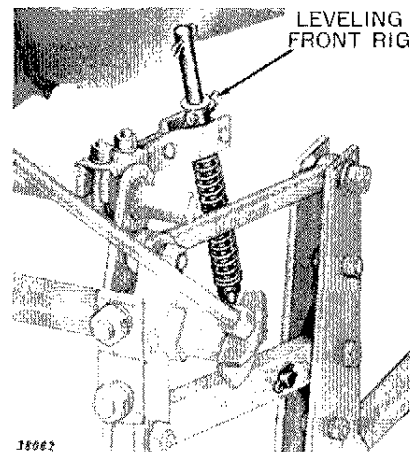


Figure 4—Front Rig Leveling Adjustment

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com