

# No. 8 Two-Row Self-Propelled Cotton Picker (Effective Serial No.8-764)



JOHN DEERE

## OPERATORS MANUAL

No. 8 Two-Row Self-Propelled Cotton Picker  
(Effective Serial No.8-764)

OMN13353 C3 English

OMN13353 C3

LITHO IN U.S.A.  
ENGLISH



## TO THE PURCHASER

Your new cotton picker was built to rigid manufacturing standards. Material and workmanship are the best. It will serve you in direct proportion to the care you give it. Depreciation, in a machine of this kind, is an item of expense that must be considered. How long it will last and continue its good work is a matter entirely in your hands.

The way you operate your cotton picker and the care you give it have much to do with the service and satisfaction you will get from it. This manual has been carefully prepared and illustrated to show you what to do and when to do it. It explains the adjustments that are built into the machine and gives instructions on when and how to make these adjustments. The information given in these Manuals will afford a clear understanding of the fundamentals of cotton picker harvesting. **The best use of these fundamentals to suit the conditions in which the machine is operating is a responsibility that is completely up to the operator.**

If you find you need information not covered in this manual, or if your cotton picker requires special servicing, take advantage of the facilities offered by your John Deere dealer. He has trained mechanics, who are kept informed on the best methods of servicing and can give you prompt, "know-how" service in the field or in his shop.

**Location References.** "Right" and "Left," "Front" and "Rear" refer to the operator's "Right" or "Left" and "Front" or "Rear" when facing the same direction machine is headed or traveling.

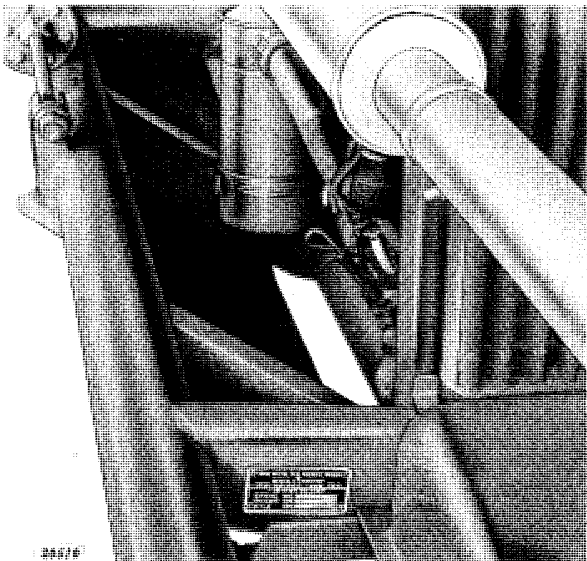
**Engine Reference Only.** Timing gear end of engine is referred to as the "Front"; flywheel end as the "Rear."

"Clockwise" refers to a shaft, screw, or similar part turning to the operator's "Right," or like the hands of a clock. "Counterclockwise" refers to the operator's "Left."

### SERIAL NUMBER

You will find the serial number of your cotton picker, also the engine and axle serial numbers, stamped on a plate located on the steering column support just below the radiator screen on the left-hand side of picker as shown below.

Write these serial numbers in the space provided below for a handy reference later.



PICKER SERIAL No. \_\_\_\_\_

ENGINE SERIAL No. \_\_\_\_\_

AXLE SERIAL No. \_\_\_\_\_

Date Purchased \_\_\_\_\_, 19\_\_\_\_

# JOHN DEERE DEALER'S DELIVERY REPORT

on the

## No. 8 COTTON PICKER

The John Deere No. 8 Cotton Picker has been designed and built to give years of satisfactory service. Intelligent operation, proper adjustment, and regular care by the operator are important factors in obtaining peak performance and long service from the picker.

By the use of this delivery report you can insure that your customer understands the operation, adjustment, and care of his new cotton picker. It will also provide valuable information that will enable us to continue to design and build cotton pickers to meet your customer's needs.

The delivery report is divided into three parts. The use and purpose of each part is explained below:

Part 1, below, provides space for recording the customer's and dealer's names and addresses, and the serial numbers of the cotton picker. This information should be recorded before delivering the cotton picker.

Part 2, on the reverse side, is a delivery check list of the points which should be explained to the owner about his new cotton picker. Discuss each point fully to be sure the owner understands the use of the cotton picker. Point out that each item is discussed in the operator's manual. (It would be a good idea to go through the manual with him.) As each point is discussed, put a cross (X) in the box provided.

Part 3, also on the reverse side, covers the farming operations of the new owner. The information obtained about his farming operations will help us continue to produce cotton pickers best suited to changing varieties of cotton and changing methods of growing. Please record accurate answers to each question in the appropriate boxes.

When the delivery report has been completed, it should be signed by both the owner and the dealer. Give the completed form to your John Deere territory manager who will see to it that the form is returned to the Company.

Thank you.

JOHN DEERE  
Moline, Illinois

---

### 1. OWNER REGISTRATION

Delivered to _____ (Purchaser's Name)	Dealer Making Delivery _____ (Name of Dealership)
Address _____ (Street Number, R.F.D., Etc.)	Address _____ (Street Number, R.F.D., Etc.)
City _____	City _____
County _____	County _____
State _____	State _____

---

Cotton Picker Serial No. \_\_\_\_\_ Engine Serial No. \_\_\_\_\_ Axle Serial No. \_\_\_\_\_

Please Fill Out Parts 2 and 3 on the Reverse Side of This Report When the Cotton Picker Is Delivered.

# JOHN DEERE No. 8 COTTON PICKER DELIVERY REPORT

Fill in This Information at the Customer's Farm

## 2. DELIVERY CHECK LIST

At the time of delivery, explain to the customer all of the operations and adjustments listed below. Use the operator's manual as a guide and put a cross (X) in the appropriate box in front of each item as you discuss it.

### General

- Operator's manual.
- Safety shields.
- Crop and weather conditions.
- Post-season service and storing machine.

- Hydraulic pump drive belt tension.
- Oil pressure check—(26 lbs. —full throttle).
- Slip clutches.

- Operation of oilers and water control valves.

### Propelling Unit Operation

- Picking unit balance springs.
- Picking unit stabilizers.
- Clutch.
- Brakes.
- Suction fan belt tension.
- Gear shift.
- Picking unit lifting mechanism.
- Unit stop.
- Fan.
- Basket lift.

### Picking Units Operation

- Spindle moistening system —oiling system.
- Stalk lifters.
- Stalk lifter spring fingers.
- Pressure plates.
- Doffers.
- Spindle moisteners.
- Picking unit.

### Preparation for Picker Use

- Lubrication.
- Inflate tires to—22 lbs. front —36 lbs. rear.
- Check water level in cooling system.
- Check engine fan belt adjustment.
- Wheel lug bolts.

## 3. CUSTOMER'S FARMING OPERATIONS

The John Deere No. 8 Cotton Picker has been designed to serve the customer's needs efficiently and effectively. We want to continue to design and build the cotton picker to meet his needs. To help us determine these needs, please obtain the answers to the following questions about the new owner's farming operations.

1. What is the total number of acres in your farm? \_\_\_\_\_  
(Acres)
2. How many acres do you have in cotton? \_\_\_\_\_  
(Acres)
3. What is your estimated yield in bales per acre for your present crop? \_\_\_\_\_  
(Bales per Acre)
4. In which type of farming are you engaged? (Put a cross (X) in the appropriate box.)
  - Non-irrigated.
  - Irrigated by rows.
  - Irrigated by borders.
5. In which type of soil do you grow your cotton? (Put a cross (X) in the appropriate box.)
 

<input type="checkbox"/> Sandy.	<input type="checkbox"/> Light.
<input type="checkbox"/> Sand-loam.	<input type="checkbox"/> Medium.
<input type="checkbox"/> Clay-loam.	<input type="checkbox"/> Heavy.
<input type="checkbox"/> Rocky.	<input type="checkbox"/> Other _____.
6. What types of cotton are you growing? (Put a cross (X) in the appropriate box and indicate strain in blank.)
 

<input type="checkbox"/> Upland.	<input type="checkbox"/> Sea Land.
<input type="checkbox"/> Acala _____ (Strain)	<input type="checkbox"/> American-Egyptian Pima.
<input type="checkbox"/> Other _____ (Insert Variety)	<input type="checkbox"/> Other _____ (Indicate Type)
7. What kind of work do you expect to do with your picker? (Put a cross (X) in the appropriate box.)
  - Your own harvest only.
  - Custom work only.  
About how many acres? \_\_\_\_\_  
(Acres)
  - Your own harvest and custom work.  
About how many acres custom work? \_\_\_\_\_  
(Acres)
8. Is this your only cotton picker?  Yes.  No.  
If "No" above, indicate makes and how many other pickers you now own:
 

_____	_____
(Make)	(Indicate How Many)
_____	_____
(Make)	(Indicate How Many)
_____	_____
(Make)	(Indicate How Many)
9. Is the John Deere No. 8 replacing another machine?
  - Yes.  No.
 If "Yes," what is the make of machine it is replacing? \_\_\_\_\_  
(Make)
   
How many years did you operate the replaced picker? \_\_\_\_\_  
(Years)

I have taken delivery of the above machine and have been instructed in its operation and maintenance.

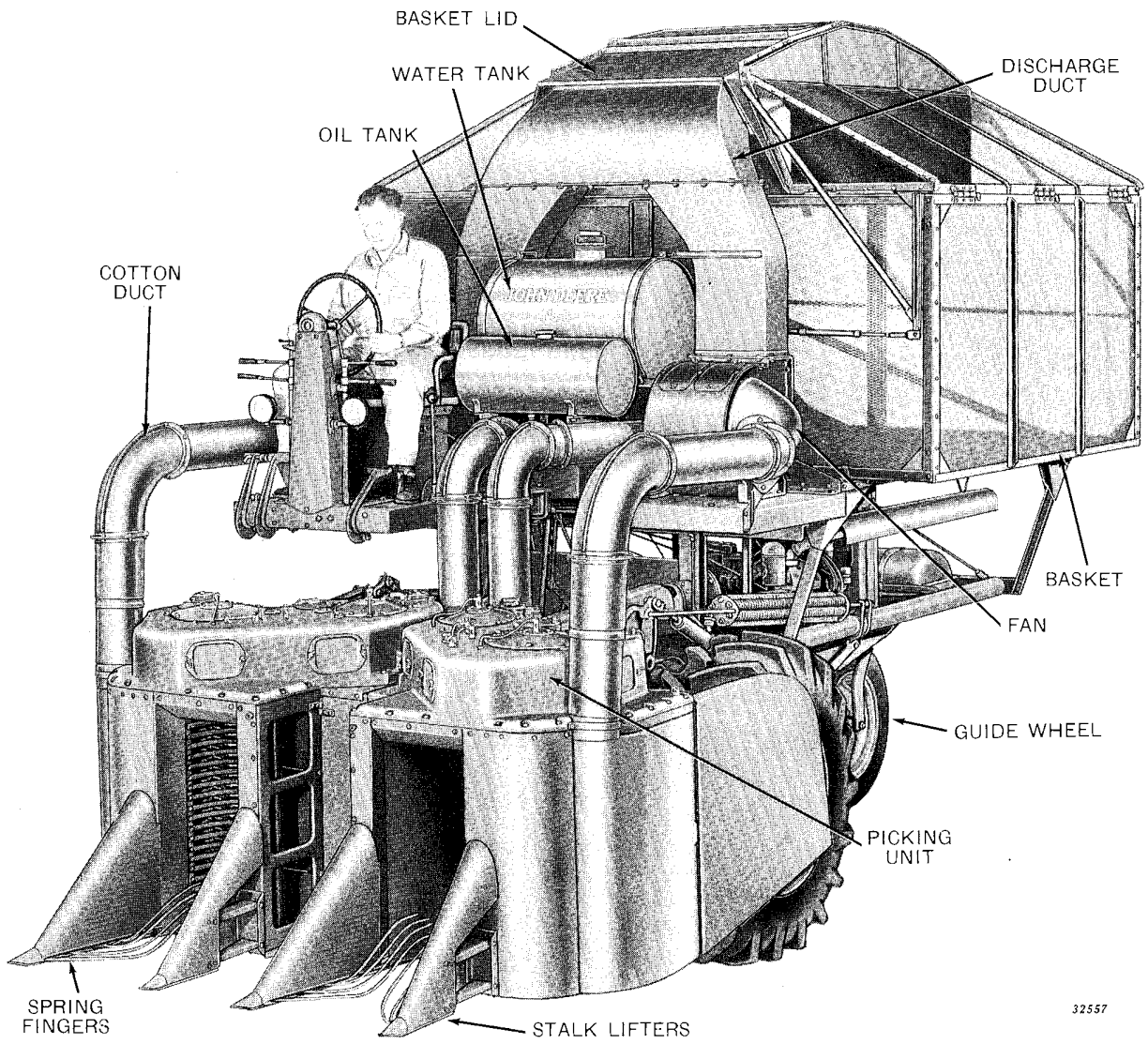
Signed \_\_\_\_\_  
(Owner)

Signed \_\_\_\_\_ Date \_\_\_\_\_  
(Dealer)

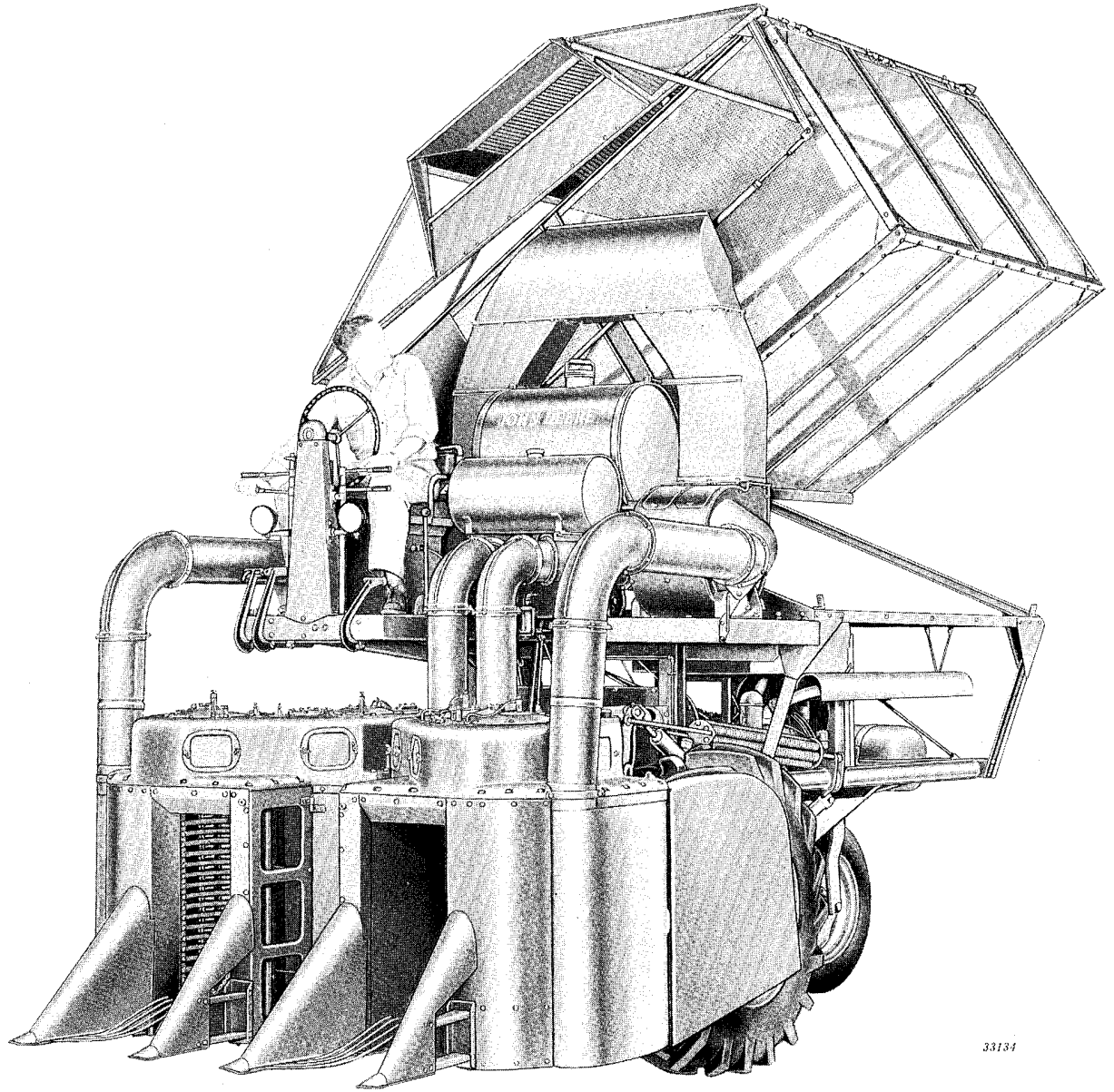
(See the Reverse Side for the Use of This Report)

## TABLE OF CONTENTS

SPECIFICATIONS AND DATA.....	4-5
CONTROLS.....	6-7
LUBRICATION.....	8-17
General Instructions.....	8-9
8-Hour Service.....	10-11
30-Hour Service.....	12-13
120-Hour Service.....	15-16
500-Hour Service.....	17
BREAKING IN THE NEW COTTON PICKER.....	18
GENERAL OPERATING INFORMATION.....	18-19
Fundamentals of Cotton Picking.....	18
Starting in the Field.....	19
Operating the Picker in the Field.....	19
OPERATING THE PICKER.....	20-23
Before Operation Checks and Adjustments.....	20
Starting the Engine.....	20
Starting the Picker.....	21
Slip Clutches.....	21
Transporting.....	21
Cold Weather Operation.....	22
Operating Precautions.....	23
OPERATING ADJUSTMENTS.....	24-34
Basket Lid Grates.....	34
Brake Adjustment.....	33
Clutch Pedal.....	32
Doffer.....	26
Fan.....	34
Hydraulic Pump Belt Tightener.....	31
Picking Unit Balance Springs and Stabilizers.....	29
Pressure Plates.....	25
Row Width Adjustment.....	30
Spindles.....	25
Spindle Moisteners.....	27
Spring Fingers.....	24
Stalk Lifters.....	24
Steering Mechanism.....	31
Water and Oil Adjustments.....	28
TROUBLE SHOOTING.....	35-52
CARE OF THE PICKER.....	54-55
When the Season is Over.....	54
Beginning of the Next Season.....	55
PICKING UNITS.....	56-63
Description.....	59-60
Cam Followers.....	62-63
Spindles.....	61
Picker Bars.....	61-63
WATERING AND OILING SYSTEMS.....	64-67
Oiling Systems.....	64
Watering System.....	65
Inspection of Systems.....	66-67
HYDRAULIC SYSTEM.....	68-70
ENGINE SERVICE.....	71-75
Cooling System.....	74
Fuel System.....	73-74
Ignition System.....	71-72
Starting System.....	72-73
Wiring Diagram.....	75
CARE OF V-BELTS, CHAINS, AND TIRES.....	76-77



*Figure 1—John Deere No. 8 Two-Row, Self-Propelled Cotton Picker*



33134

*Figure 2—John Deere No. 8 Two-Row, Self-Propelled Cotton Picker with Basket Being Tipped*

## SPECIFICATIONS

### PERFORMANCE.

Picking Unit Control.....	Two
	Single-action
	Hydraulic
	Rams.
Basket Control.....	Two
	Double-action
	Hydraulic
	Rams.
Row Width.....	38 or 40 inches
Governed Speeds:	
Picking Speed.....	2-1/4 M.P.H.
Transport Speed.....	13 M.P.H.
Reverse speed.....	1-3/4 M.P.H.

### CAPACITIES.

Cotton Basket.....	1200 Pounds
	Seed Cotton
Gasoline Tank.....	22 U.S. Gals.
Crankcase.....	6 U.S. Qts.
Oil Filter.....	1 U.S. Qt.
Cooling System.....	6 U.S. Gals.
Transmission.....	12 U.S. Qts.
Final Drive Housing (each).....	5 Qts.
Air Cleaner.....	To mark on cup
Hydraulic Reservoir.....	2 U.S. Gals.
Picking Unit Heads (each).....	2-1/2 U.S. Gals.
Water Supply Tank.....	50 U.S. Gals.
Oil Supply Tank.....	15 U.S. Gals.

### PICKING UNITS.

No. of Units.....	2
No. of Picker Drums.....	4
No. of Picker Bars:	
Front Drum.....	16
Rear Drum.....	12
No. of Spindles Per Picker Bar.....	20
Total Spindles on Picker.....	1120
Speeds (approx.):	
Front drum.....	67 R.P.M.
Rear drum.....	89 R.P.M.
Spindles.....	2300 R.P.M.
Weight, per unit.....	2250 Lbs.

### ENGINE.

Make.....	Hercules "QXD-3"
No. of Cylinders.....	6
Bore.....	3-7/16 in.
Stroke.....	4-1/8 in.
Displacement.....	230 Cu. In.
N.A.C.C. Rating.....	28.35 h.p.
Brake Horsepower.....	51 h.p.
Compression Ratio.....	6.99 to 1
Tappet Clearance:	
Intake.....	.010 in. (Hot)
Exhaust.....	.010 in. (Hot)
Firing Order.....	1-5-3-6-2-4
Valve Arrangement.....	L-Head
Speeds:	
Rated load.....	1800 R.P.M.
Idle.....	450 R.P.M.



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](mailto:ebooklibonline@outlook.com)