

SIDE DELIVERY RAKES NO. 594



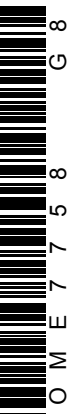
JOHN DEERE

OPERATORS MANUAL SIDE DELIVERY RAKES NO. 594

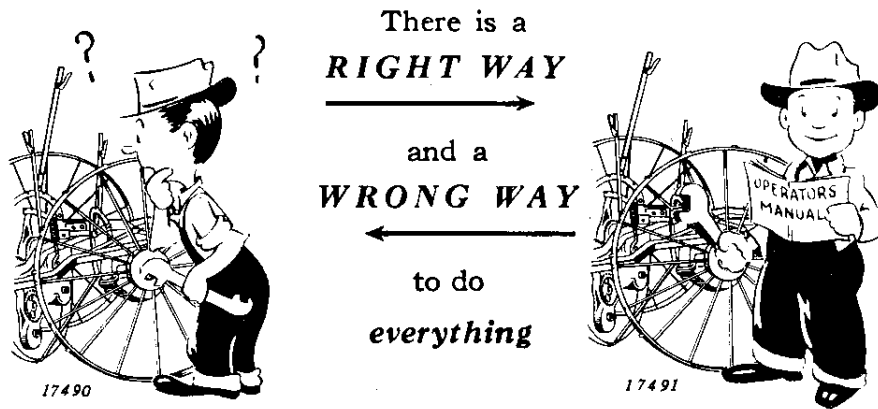
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INTRODUCTION



That is the reason we ask you to keep this manual in a handy place to be used as a guide whenever any questions arise about operating and servicing your new John Deere No. 594 Side-Delivery Rake the **RIGHT WAY**. You have purchased a dependable machine, but only by proper care and operation can you expect to receive the service and long life designed and built into it.

If you find that you need information not covered in this manual, see your John Deere dealer. He can give you prompt "know-how" service in the field or in the shop.

When in need of parts, go to your John Deere dealer. Be sure to give him a complete description of the rake, and the year purchased. This information should be recorded at the bottom of this page as soon as you have received your rake.

LOCATION REFERENCE

Right-hand and left-hand reference is determined by standing at the rear of the rake and facing the direction of travel.

<p>Date Purchased.....</p> <p>Model No..... Year.....</p>

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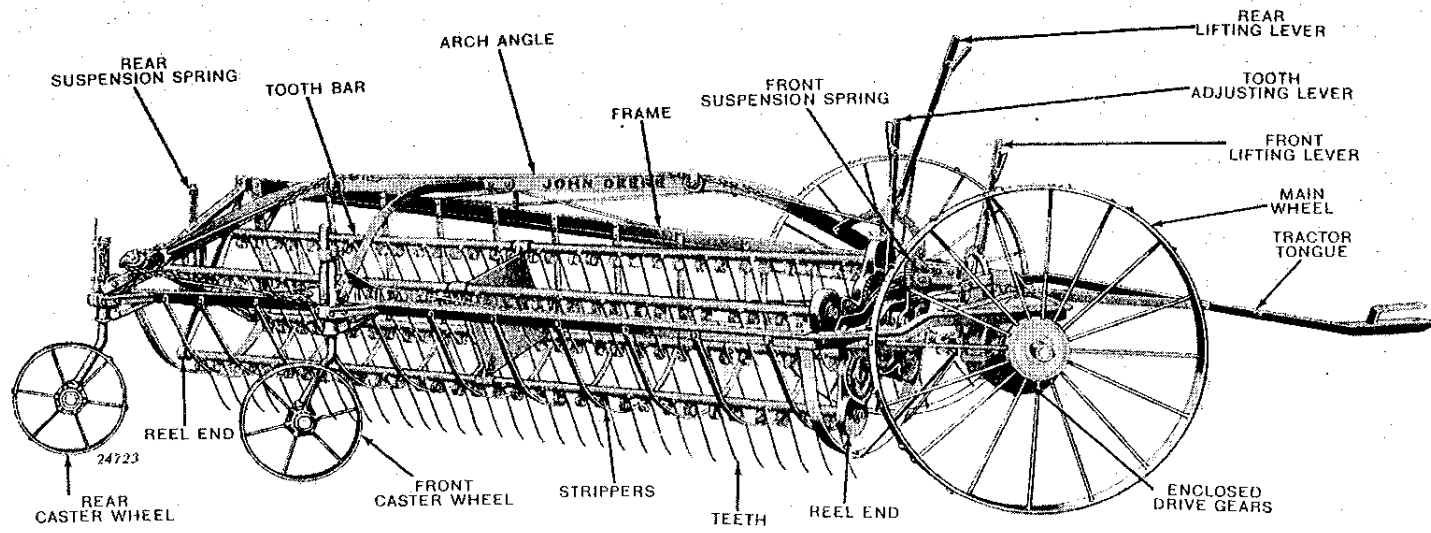
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John Deere No. 594 Side Delivery Rake

SPECIFICATIONS AND DATA

Over-All Width of Rake.....	9 ft. 10 in.
Over-All Length of Rake (Tongue Removed).....	14 ft.
Length of Reel.....	10 ft.
Width of Swath.....	7 ft.
Center of Main Wheels.....	Adjustable 6 ft. 3 in. to 6 ft. 10 in.
Size of Steel Main Wheels.....	3 ft. 6 in.
Size of Pneumatic Tires (Optional).....	{ Main Wheels—4.00x36.00—4-ply Caster Wheels—4.00x9.00—4-ply
Power Required.....	1 Plow Tractor
Operating Speed.....	3 to 5 miles per hr.
Bearings.....	{ Reel—Roller Bearings; Others—Replaceable Steel and Bronze Bearings
Weight of Rake.....	982 lbs.

**Right-hand and left-hand sides are determined by facing in the direction
the machine will travel when in use.**

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

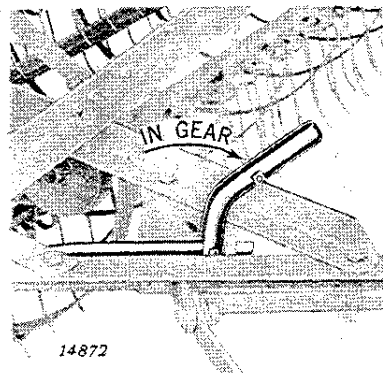
OPERATION AND ADJUSTMENTS

Before starting the John Deere Side-Delivery Rake, make sure that all bolts are tight, cotter pins are spread, and machine has been properly set up, pages 12 through 24.

Be sure to fill gear case with the proper grade of oil and lubricate as shown in lubrication chart, page 7.

When starting a new side rake, turn the reel by hand to be sure it revolves freely and the teeth do not strike the stripper bars. Then throw the rake in gear and turn the wheel by hand to see that the tooth bars and gears run free. Breakage of parts, which causes serious delay and additional expense, can be avoided by taking these precautions before entering the field.

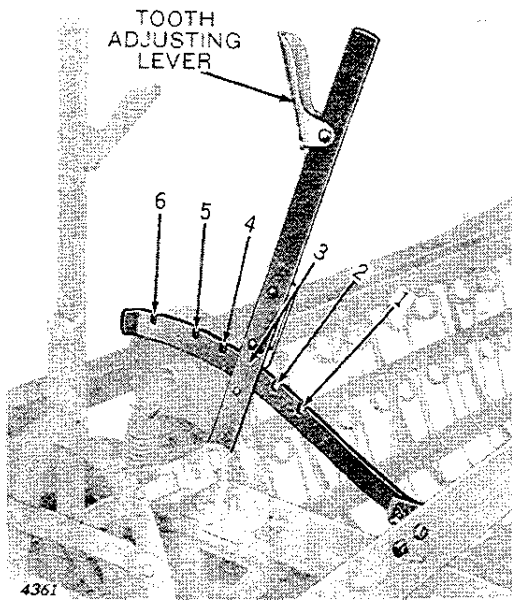
An occasional thorough inspection for loose nuts, worn bolts, and other parts will add to the efficiency of your rake.



TOOTH-ADJUSTING LEVER

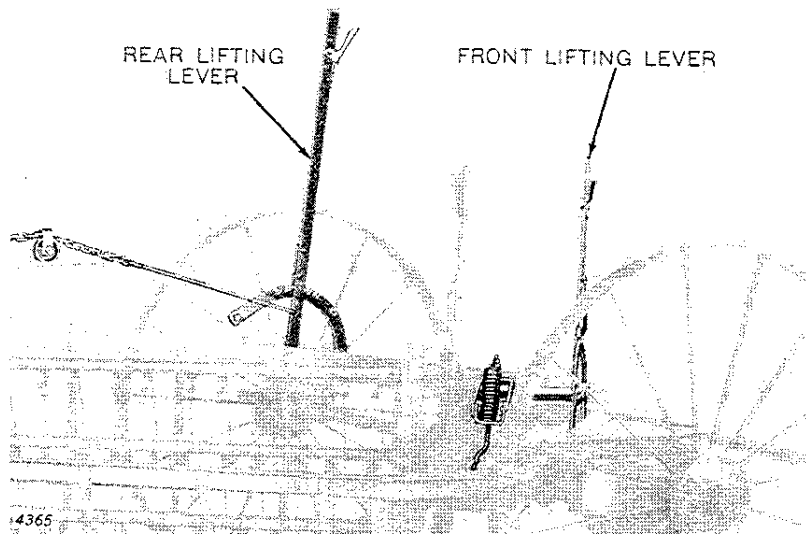
The most important adjustment is the angle of the teeth in relation to the surface of the ground. This adjustment regulates the raking of the teeth for loose or tight windrows.

Under average conditions the normal position for the tooth-adjusting lever will be in the center of the rack, at Notch 3. Moving the lever to the rear toward Notches 4 and 5 increases the forward angle of the teeth to produce a loose, fluffy windrow. Moving the lever forward toward Notches 1 and 2, will decrease the tooth angle to produce a tighter windrow. The Sixth Notch is used when transporting rake. See page 5.



FRONT LIFTING LEVER

The teeth should always be set as high as possible and still pick up all the hay. This setting causes the teeth to pitch the hay into loose windrows permitting free circulation of air. A trial in the center notch of the Front Lifting Lever will give an indication as to the position in which it should be set.



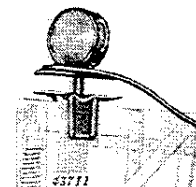
REAR LIFTING LEVER

The Rear Lifting Lever is properly set when the rear end of the reel is slightly higher than the front end. This aids in making the windrow loose and fluffy.

TRANSPORTING

In traveling on the road, the Tooth Adjusting Lever should be moved to Notch 6. In this position, the teeth are raised above the strippers, out of danger of being bent by hitting obstructions. Raise both ends of the reel as high as possible by moving the front and rear lifting levers into the extreme forward position.

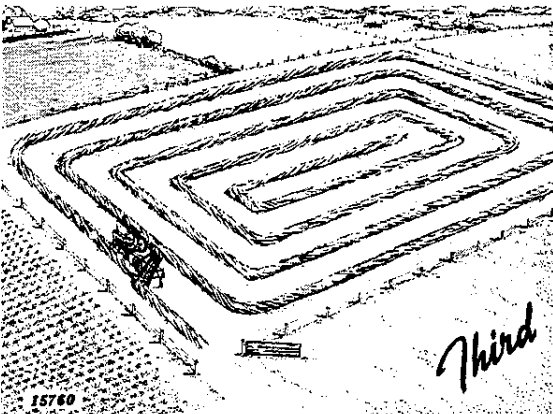
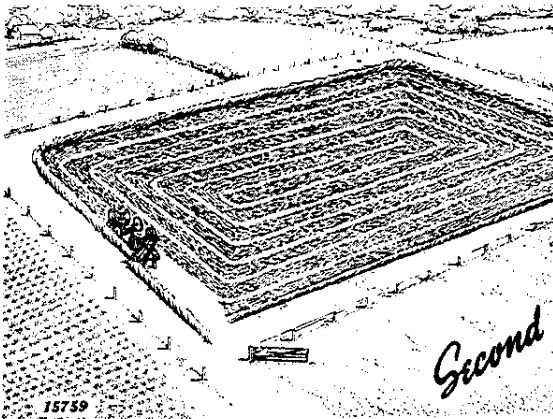
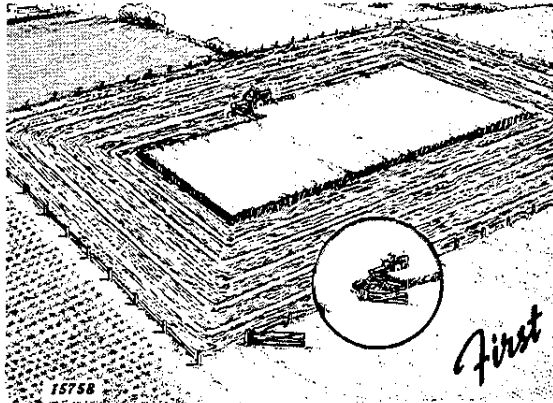
When transporting the machine on a public road at night or during other periods of poor visibility, use a warning lamp in socket provided on the extreme left-hand side of the rake.



A warning lamp, that also may be used with other implements, can be purchased from your John Deere dealer.

MAKING HAY THE JOHN DEERE WAY

For proper method of cutting and side raking hay the John Deere Way, see illustrations below.



In mowing, enter the field as shown in the inset, making one round to cut hay along the fence. Reverse direction of travel and continue around the field making right-hand turns until the entire field is cut.

Drive the John Deere Side Delivery Rake in the same direction the mower travelled. Working against the heads of the plants, the John Deere places the majority of the leaves inside the windrow. The leaves, shaded from the direct rays of the sun by the stems, are cured rapidly by the free circulation of air.

To hasten curing of especially heavy crops, or to preserve the quality of hay dampened by a shower, turn the windrow upside down by simply driving alongside the windrow with the left rake wheel just at the edge of the hay. This causes the windrow to be placed with the dry side down on dry stubble.

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