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MANUAL PREVIEW

New Idea

Operator's Manual

402

Side Delivery Rake

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NI-O-402 RAKE

OPERATOR'S MANUAL

No. R-162

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No. 402

FIVE BAR RAKE

MANUAL PREVIEW

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For the Dealer and Operator
Read these instructions
Save them for reference



COLDWATER, OHIO, U.S.A. 45828

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MESSAGE TO PURCHASER

Study Your Operator's Manual

Study your Operator's Manual carefully. It pays to do this even though you have operated a New Idea Machine before. Changes are made almost every year to improve the efficiency of the New Idea machines, some requiring slightly different methods of maintenance or operation.

Care is Cheap Insurance

Farm equipment operates under especially tough conditions. Mud, dust, grit, heat, cold and exposure to all sorts of weather put it to the acid test. Plenty of oil and grease can do more toward prolonging the life and usefulness of this machine than any other thing.

Caution

Always operate farm machinery in a careful, safe manner. Never attempt to clean or adjust a machine while it is running. Always shut off PTO and engine before leaving power unit seat for any reason.

Authorized Service

Authorized New Idea dealers know all of the details of operation of a New Idea machine. This knowledge allows them to do the best job of servicing in the least amount of time, and to supply the proper New Idea parts. In addition, your authorized New Idea dealer is interested in you as a customer, and will do his utmost to keep you happy and satisfied. You'll find that it pays to bring your equipment to your New Idea dealer for expert servicing.

Record your Side Rake lot and serial numbers in the box provided below. Your dealer needs this information in order to give you prompt, efficient service when you order parts.

JENSALES.COM

or Call 800-443-0625



COLDWATER, OHIO 45828, U.S.A.

LOT No. _____

MACHINE Serial No. _____

Enter Lot and Serial numbers here
for future reference.

The Lot and Serial numbers are found on the left hand side of the Main Frame.

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Figure 1

Fig. 1

The Model 402 Five Bar Rake is available with either spring coil teeth (shown) or rubber flex joint teeth. It is also available with a castor

wheel hitch (shown) or a jack hitch (See Fig. 5). See pages 18, 19 & 20, for optional attachments.

STORAGE

1. Clean the machine thoroughly.
2. Lubricate all pressure fittings listed on Page 6.
3. House machine in a suitable dry place where it is neither exposed to weather or livestock.
4. Repair or replace any needed parts, not leaving this until next season.
5. Cover all weathering surfaces with a rust preventive compound.
6. Clean all rust spots thoroughly and paint to stop oxidation.

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BASKET POSITION

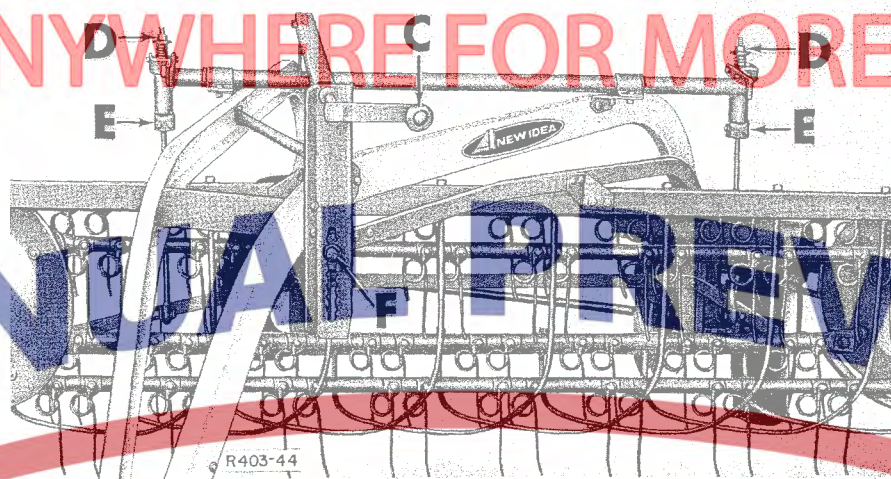


Figure 9

Fig. 9

Raise or lower the basket with crank "C". When transporting, raise to maximum height. When raking, set teeth to approx. 1" off the ground.

The Basket should be kept level at all times. To level, adjust nuts on lift rods "D". This adjustment must be maintained for a cleaner job of raking.

When raking over uneven ground or when raking at a high rate of speed, excessive

basket bounce may occur. This can be corrected by adjusting the friction brake springs at "E".

When a loose fluffy windrow is desired, the cap screw "F" should be loosened and positioned to the upper notch of basket tilt bracket. This tilts the teeth forward. If a tight windrow is desired, position cap screw to a lower notch in tilt bracket. This tilts the teeth to the rear.

BELT ADJUSTMENT



Figure 10

Fig. 10

With the basket in the lowest raking position, the drive belt should be adjusted to the point that it can be deflected 1-1/2" under hand pressure at the center of the span between the reel head and idler sheaves.

To adjust the belt, loosen lock handle "A", then turn stabilizer "B" to adjust the belt. Retighten lock handle "A". Do not overtighten the belt, this will reduce it's life. If the belt slips, tighten the belt a little at a time until operation is satisfactory.

REPLACING DRIVE BELT

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Figure 13

Fig. 13

Turn lock handle "E" to release stabilizer "F". Turn stabilizer "F" by hand several turns to release tension of belt. Remove all four bolts at "G".



Figure 14

Fig. 14

Loosen upper bolt "C" and remove lower bolt "B". This will allow left reel support to drop down enough to allow installation of belt.



Figure 15

Fig. 15

Raise right wheel of rake off the ground and pass belt under it. Remove bolt as shown detaching main frame arch from axle. Lift arch and pass belt under it onto axle. Reinstall bolt and tighten.



Figure 16

Fig. 16

Slide belt between reel head support and frame at "H". Install on axle and reel head sheaves. Pull belt onto idler sheaves "J" as illustrated. Reinstall all bolts and tighten. Adjust belt to proper tension, see Fig. 10, Page 9.

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