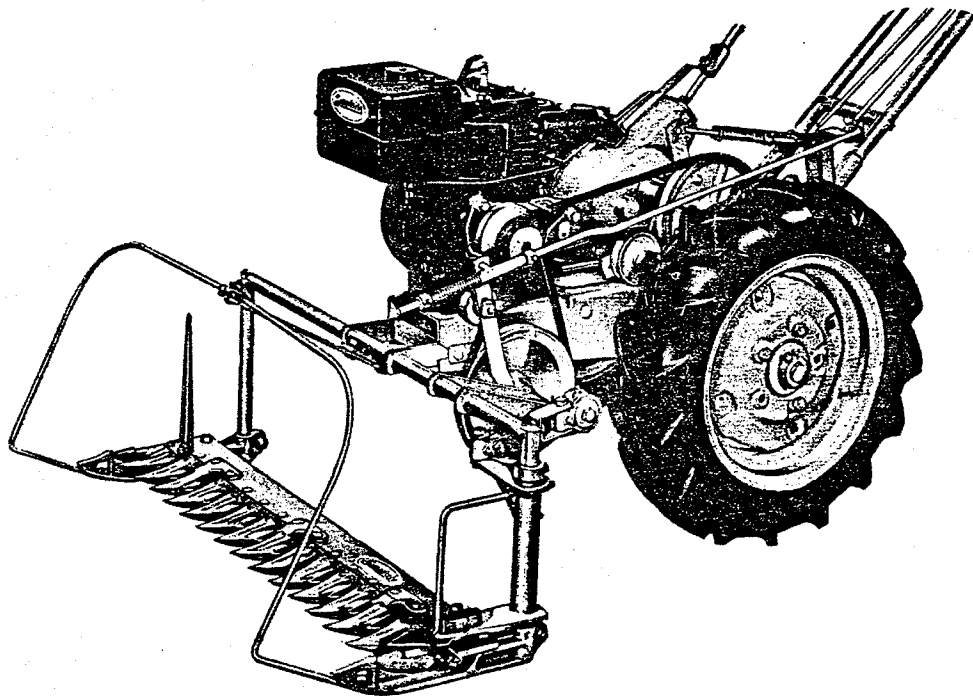


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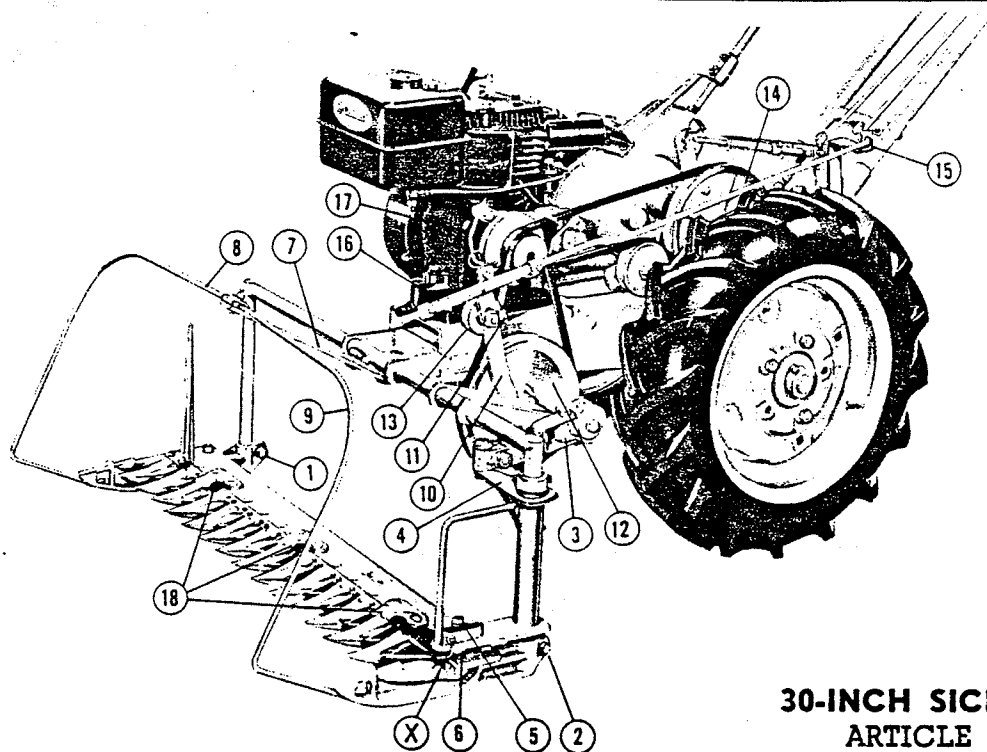
**INSTRUCTIONS
AND PARTS LIST**

30" SICKLE BAR

ARTICLE 193



SIMPLICITY MANUFACTURING COMPANY / PORT WASHINGTON, WIS.



**30-INCH SICKLE BAR
ARTICLE 193**

**INSTRUCTIONS FOR ASSEMBLING
TO L, V and F SERIES TRACTORS**

1. To conserve shipping space, sickle bar frame is assembled to the cutter bar backwards. Remove frame from cutter bar, reverse and reassemble as shown, tighten clamps at (1) and (2).

2. Bolt Pitman (3) to bell crank (4) and bell crank to sickle head (5). Lock with jam nut (6).

NOTE—ADJUSTMENT AT (X) ON SICKLE BELL CRANK SHOULD BE MADE TO FIT CLAMP SNUGLY AROUND SICKLE HEAD BUSHING AND YET NOT BIND.

3. Bolt finger bracket (7) to main frame. Hook right and left grass fingers (8) and (9) into shoes and clamp grass fingers to bracket (7).

4. Remove idler lever (10) from frame extension and reassemble as shown, locking with cotter pin in hole provided. Belt guides (11) should be positioned as shown. These guides keep the belt in line with engine, idler and sickle bar pulleys.

5. Remove tape from sickle bar crank shaft. Place pulley (12) on shaft with hub to outside as shown. Tighten set screw.

6. Attach sickle bar to tractor. (See special Quick-Hitch instructions in Tractor Manual.)

7. Mount V belt on engine and sickle bar pulleys, placing belt under idler pulley (13) as shown.

8. The idler pulley (13) should be positioned in the slot in lever (10) so that it properly clears the drive pulley.

9. Attach the lower clutch rod (14) to the idler lever (10) and to the lower clutch lever (15) using the upper of the two holes as shown.

10. Adjust belt tension on spring (16) with set collars. To avoid damaging belt, use minimum amount of tension required to drive the sickle.

11. Adjust Pitman (3) so that sickle will register with guards at the end of the stroke.

12. With upper clutch lever in rear position, set belt stops (17) to within 1/8 inch of belt. *This setting is important if sickle is to idle freely.*

OPERATION

When operating the sickle bar attachment use the tractor speed range that best suits the particular cutting-condition encountered. Avoid cutting dead grass when it is damp.

NOTE—BE SURE THAT ENGINE PULLEY IS MOUNTED SO THAT SMALLEST GROOVE IS TO THE OUTSIDE. THIS APPLIES TO ALL TRACTOR MODELS.

If clean cutting is to be accomplished, sickle knives must register with the guards at the end of each stroke. Adjustment is provided in the Pitman (3).

It is desirable to have tractor wheels at widest position. For cutting fine grass, such as June grass, the cutting unit must be kept in first-class condition. The sickle must be sharp and held close to the ledger or guard plates by the sickle clip and supported by wear plates that are not badly worn. To adjust sickle clips (18), remove sickle from bar and adjust clips by tapping with hammer until sickle is held close to the guard plate. Wear plates under the clips must be replaced when they show wear.

NOTE—BE SURE THAT ALL JAM NUTS ON SICKLE BAR ATTACHMENT ARE SECURELY LOCKED.

LUBRICATION

Lubricate the 6 grease fittings every hour. At the same time, oil the bell crank connections and sickle bar clips (18) with machine oil.

ATTACHING 30" SICKLE BAR TO MODEL "W" TRACTOR

The 30" sickle bar is attached to the model "W" tractor by following the instructions as shown in the sickle bar instruction manual. The only variation in procedure concerns the method of attaching the idler control rod.

1. Attach idler lever extension to idler lever as shown. Use 5/16" N. C. x 3/4" lg. hex head capscrew, 5/16" lockwasher, and 5/16" N. C. hexnut.
2. Install offset end of idler control rod in hole of idler lever extension and secure with hair pin cotter.
3. Attach stud on rod socket assembly to idler control bracket mounted at base of handle. Secure with hair pin cotter. Adjust tension of idler pulley against drive belt by moving set collar on idler control rod.

