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Ford

Operator's Manual

Dearborn

Sweep Rake

Operator's Manual

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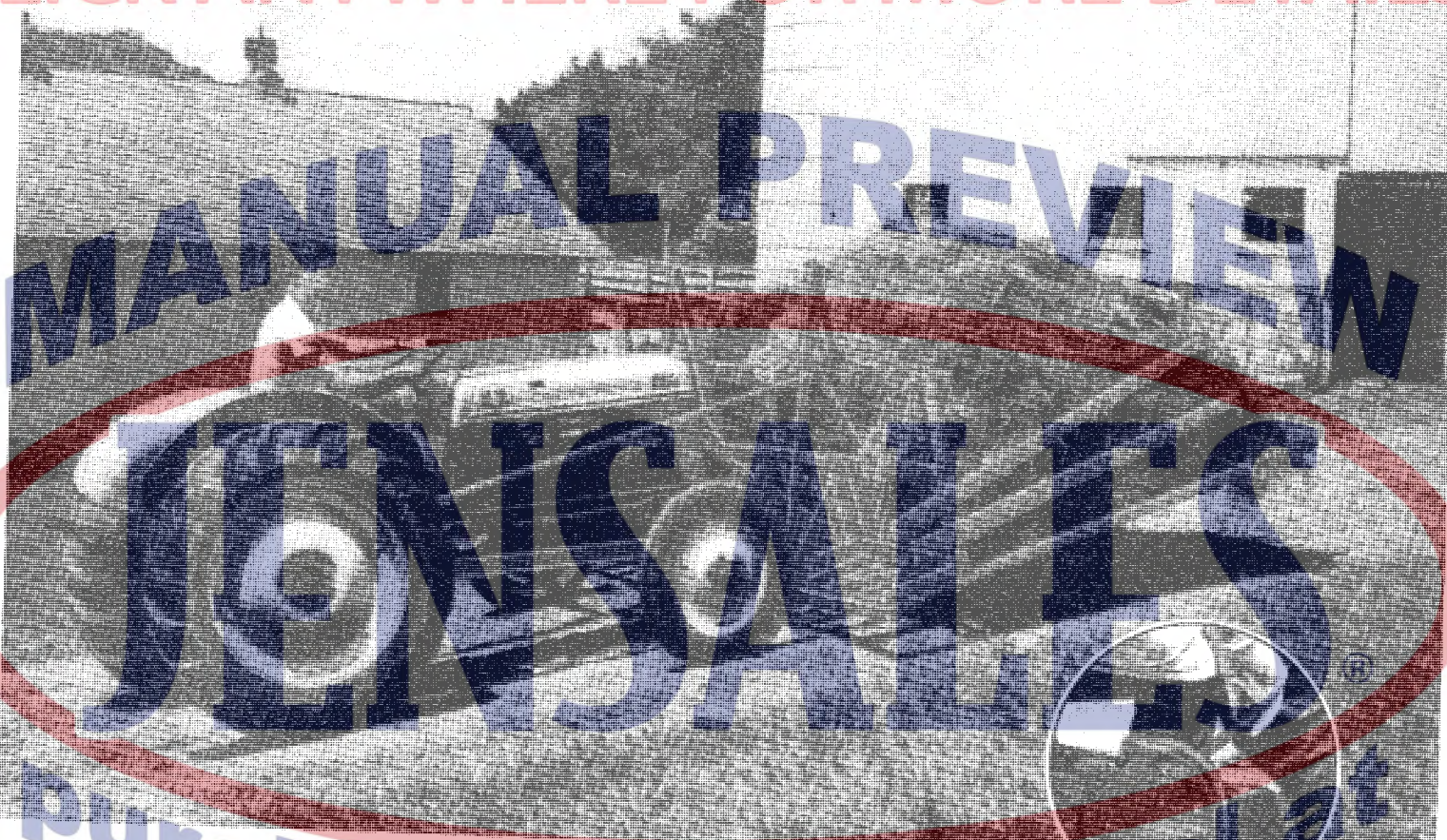
FO-O-SWEEPRAKE



DEARBORN SWEEP RAKE



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Lifts and Lowers with a touch.

27

NO "BACK-BREAK" IN THIS PICTURE

Make four quick trips from the field to the barn or stack or baler with the Dearborn Sweep Rake and the Ford Tractor. Results? Plenty! For a ton of hay, 500 pounds to a trip, can be gathered, lifted, carried and unloaded.

How much work? Hardly worth talking about. Just driving the tractor and moving the Ford Hydraulic Touch Control lever to lower and raise the sweep rake's teeth. A

lot accomplished, with almost no effort, and all by one man!

You can also use this outfit to haul hay from the barn to feed lots and outlying sheds, for fall and winter feeding. Two Ford Tractors and Dearborn Sweep Rakes are equivalent to as many as six or seven standard wagons in bringing shocked grain to a thresher. Handy and fast, too, to get shocked corn to the barn or feed lot, and to remove brush or orchard prunings.



All Dearborn Farm Equipment is designed and built to exceptionally high quality standards. Each implement is matched to the Ford Tractor; thoroughly tested by Dearborn Engineers and Implement Specialists. Whatever your implement needs, investigate Dearborn Implements first. See your nearest Ford Tractor dealer.

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DESCRIPTION OF THE SWEEP RAKE



Figure 1

The Dearborn Sweep Rake, pictured above, is a sturdily constructed implement designed to give many years of satisfactory service.

The frame is made of steel. It is light in weight, yet it provides a maximum amount of strength. There are twelve 8-foot, iron-tipped ground teeth and four end teeth. The teeth and the push-off are fashioned from selected, durable wood.

The Sweep Rake has a sweeping width of 10 feet, 6 inches. Its load capacity is 400 to 700 pounds.

The Dearborn Sweep Rake is easy to attach and easy to operate. The "floating" head construction enables the teeth of the Sweep Rake to follow the contour of the ground and do an efficient job.

The two end teeth on each side of the Sweep Rake frame make it possible to load the rake without spilling hay, allowing for a greater load and insuring a cleaner job.

The automatic push-off, an exclusive feature on the Dearborn Sweep Rake, provides for an efficient unloading job. The push-off operates automatically when the rake is lowered to the ground and the tractor reversed.

ASSEMBLY OF THE SWEEP RAKE

BUNDLE NO. 3

- Two long steel push beams (19)
- Two long flat steel lift rods (20)

BUNDLE NO. 4

- Two steel forgings (21)
- Two steel forging clamps (22)
- One push-off point (23)

BUNDLE NO. 5

- Two steel stirrups (24)
- Two steel U-bolts (25)
- Five steel triangles (26)

BUNDLE NO. 6

- Twelve wood teeth (27)
- Twelve iron tooth points (28)

BUNDLE NO. 7

- One bag of bolts

BUNDLE NO. 8

- Four wood side teeth (29)

Assembly Procedure

CAUTION: Tighten nuts finger tight during assembly. In assembling wooden members, be sure to use the flat washers provided between wood and bolt heads. After assembly is complete, go over Sweep Rake and tighten nuts with wrench.

To identify parts mentioned in assembly procedure given below, refer to Figure 2.

Step 1: Cut and remove wires from all bundles.

Step 2: To make certain that the shipment is complete, check each item against the packing slip.

Step 3: Lay the 12 long wooden teeth (27) out on level ground or floor with points forward and long tongue of tooth facing down.

Step 4: Place bolts through rear ends of teeth with the threaded portion facing up. There are two bolts for each long tooth.

Step 5: Place bottom rear angle (8) on teeth with bolts protruding through holes, rear flange of angle pointing downward. Figure 3.

Step 6: Place bottom front angle (9) on teeth with angle flange up and facing forward. Bolts protrude through holes. Figure 3.

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ASSEMBLY OF THE SWEEP RAKE

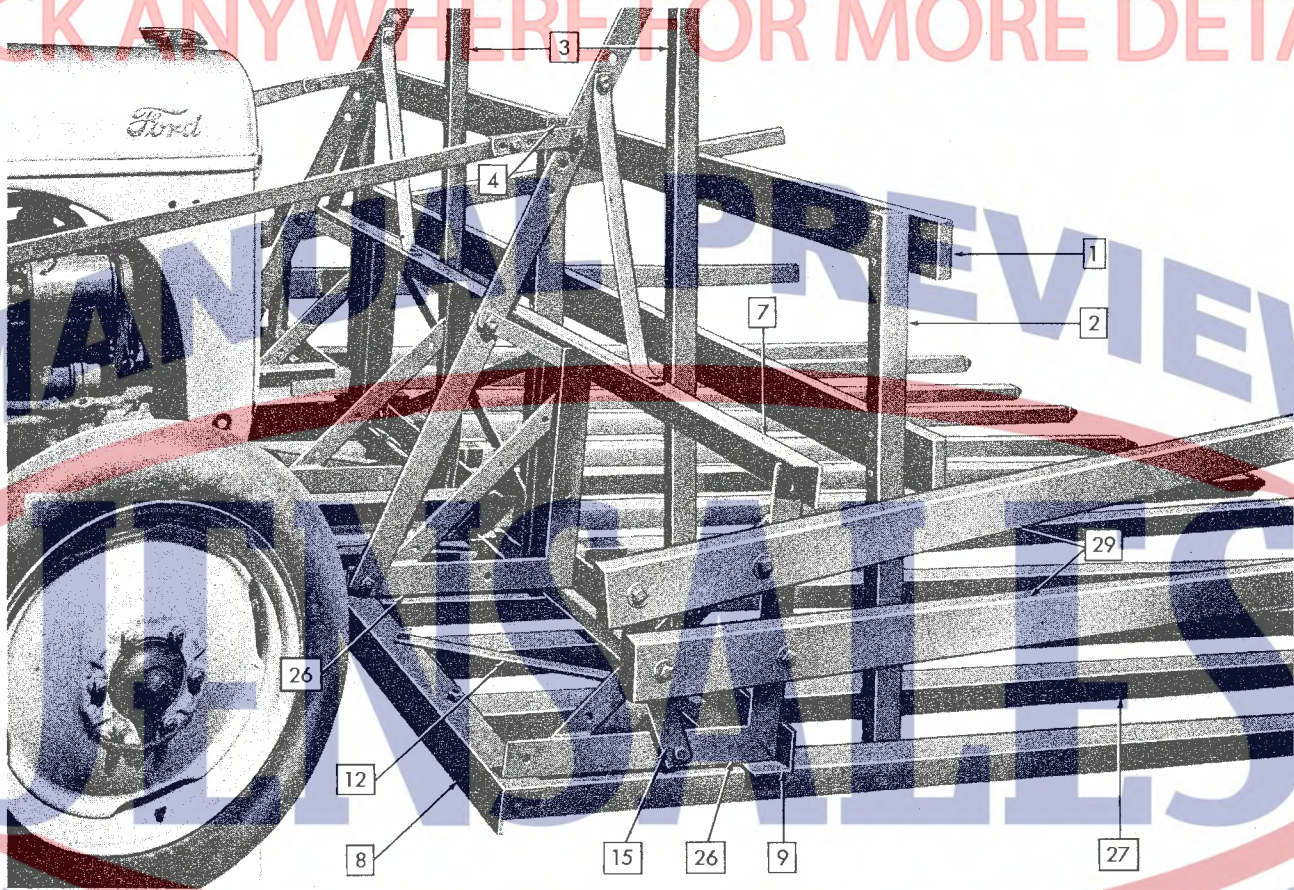


Figure 3

Step 7: Place the four diagonal short cross braces (12) in position between bottom cross angle (8) and bottom front cross angle (9). See Figure 3. Figure 3.

Step 8: Place the five steel triangles (26): one on each outside long tooth (27), one over each 4th tooth and one in dead center between 6th and 7th teeth. Each angle placed

in an upright position with 90° angle in bottom front cross angle (9). See Figure 3.

Step 9: Place lock washers and nuts on all bolts and tighten finger tight.

Step 10: Mount top cross angle (7) on steel triangle frames (26). Insert bolts, place on lock washers and nuts.

ASSEMBLY OF THE SWEEP RAKE

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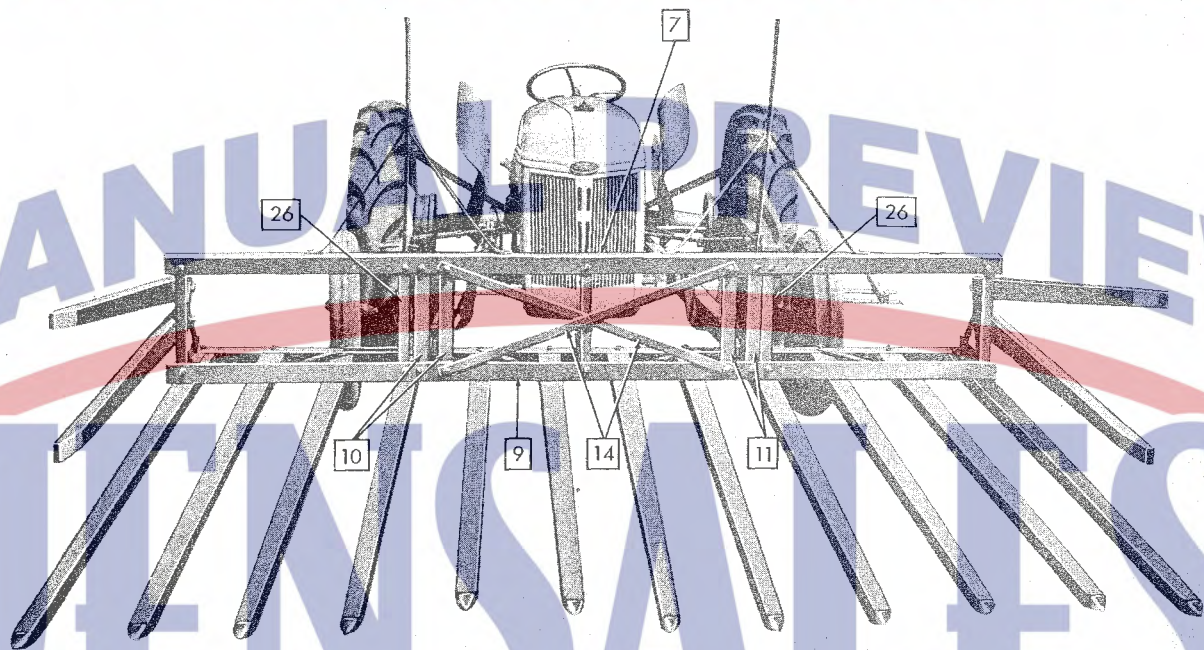


Figure 4

Step 11: Mount pair of right-hand (10) and pair of left-hand (11) push beam angles to top cross angle (7) and bottom front cross angle (9) inside and next to the 2nd and 4th inner steel triangles (26). See Figure 4. These push beam angles have four holes near one end. This end is placed downward with the holes facing inward and toward each other.

Step 12: Place long cross braces (14) in position diagonally between the two inner push beam angles (10 and 11) with the upper ends attached to the upper front cross angle (7) and the lower ends to the bottom front cross angle (9). Braces are in front of cross angle and attached by the same bolts that hold the two inner push beam angles. See Figure 4.

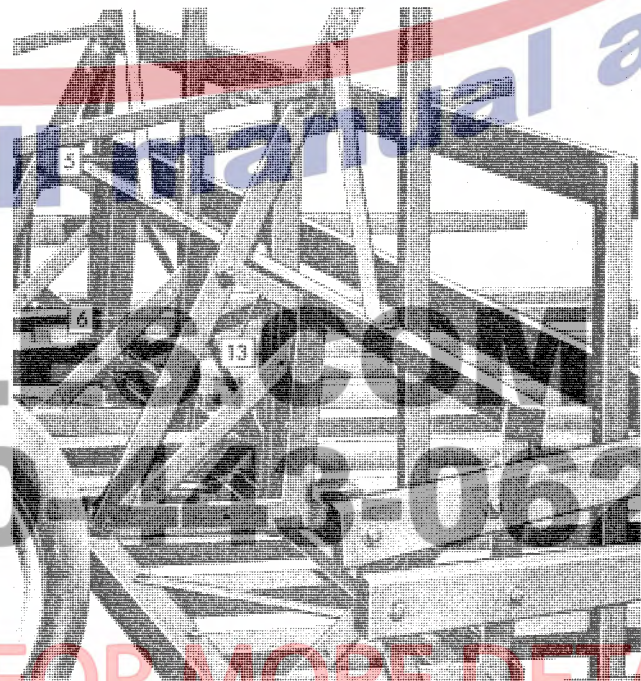


Figure 5