



**LIFT
TYPE**

**DANUSER
ALL PURPOSE BLADE**

Model 19-16



ASSEMBLY and OPERATING

Instructions

DEARBORN MOTORS CORPORATION — DETROIT 3, MICHIGAN

DESCRIPTION

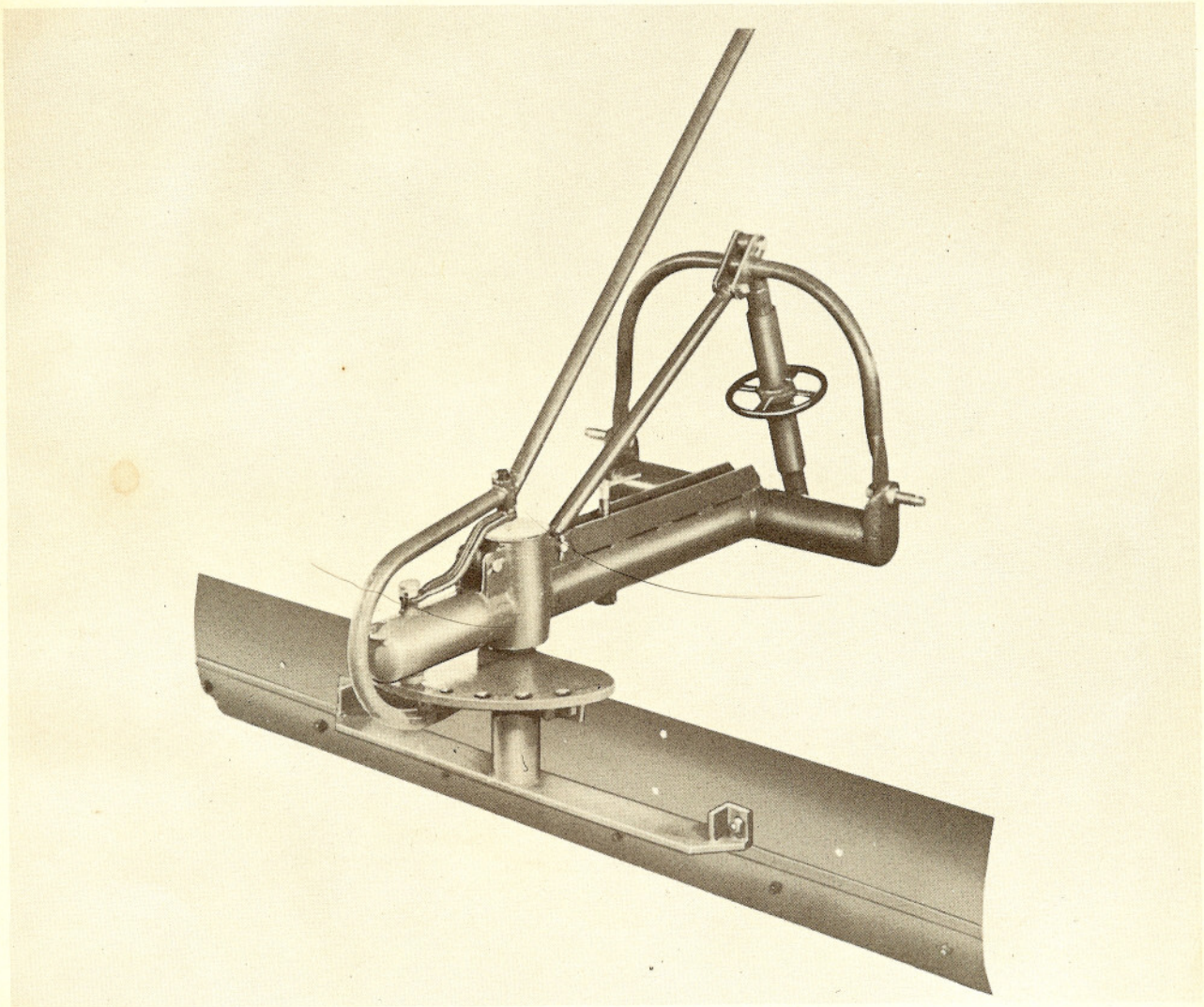


Figure 1
The Danuser All Purpose Blade

The Danuser All Purpose Blade, pictured above, is built to the high quality manufacturing standards required of all implements in the Dearborn Farm Equipment line. The sturdy, all steel, welded construction assures long life and dependable operation. The control handle and pitch control link are both easily accessible from the tractor seat to provide quick adjustment of blade angle and pitch. The heavy mold-

board is fitted with a replaceable cutting edge. The moldboard mount is joined to the main frame through permanently lubricated, factory sealed, heavy trunnion bearings. These bearings permit a free and easy blade swing through a complete revolution.

The blade can be quickly and easily attached to a Ford Tractor.

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ASSEMBLY

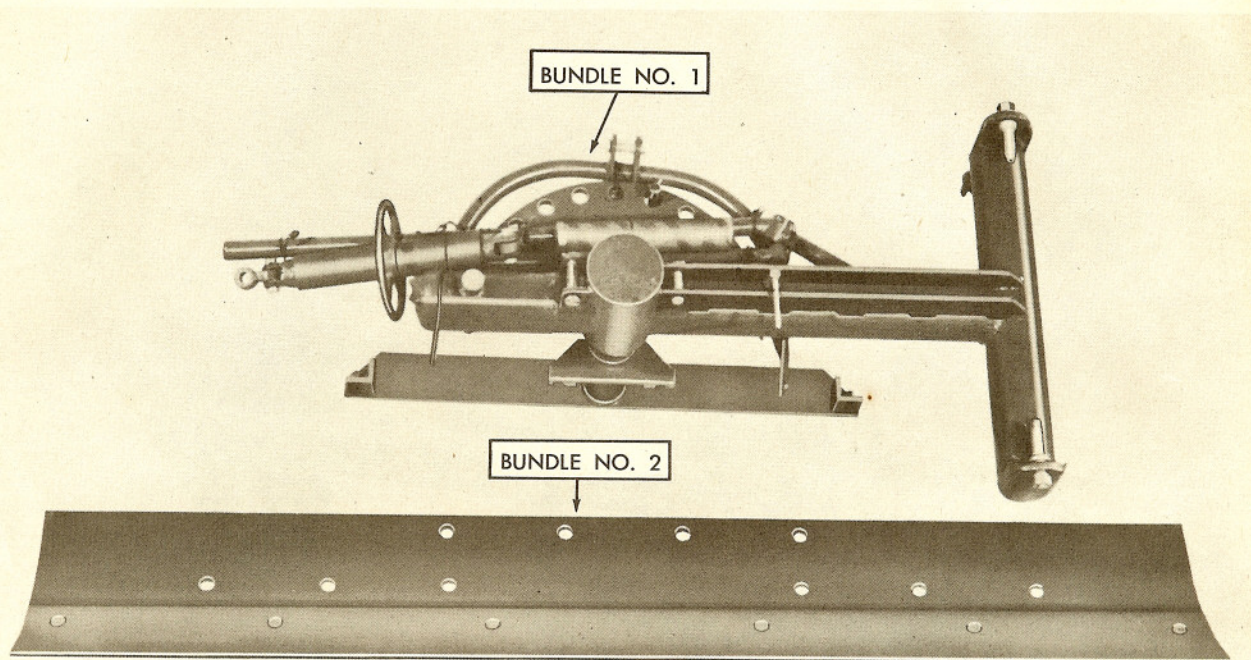


Figure 2
Blade Bundled for Shipment

NOTE: Assembly of the Danuser All Purpose Blade is the responsibility of the Dearborn Farm Equipment dealer. The equipment should be delivered completely assembled. The following instructions are provided in case of need.

BUNDLE INFORMATION

The Danuser All Purpose Blade is shipped in two bundles as listed below. Check the shipment against this list and Figure 2 to be sure all the parts are received.

1. Main frame and moldboard mount assembly with control handle, pitch control link, rear link, rocker arm, yoke, and tube containing instruction manual wired to it.

2. Moldboard and cutting edge assembly.

ASSEMBLY PROCEDURE

1. Cut the wires on Bundle 1 and lay out the parts.
2. Place the main frame on its side, as shown in Figure 3, so it rests on the quadrant (1), and left end of the main frame cross member (2).

ASSEMBLY

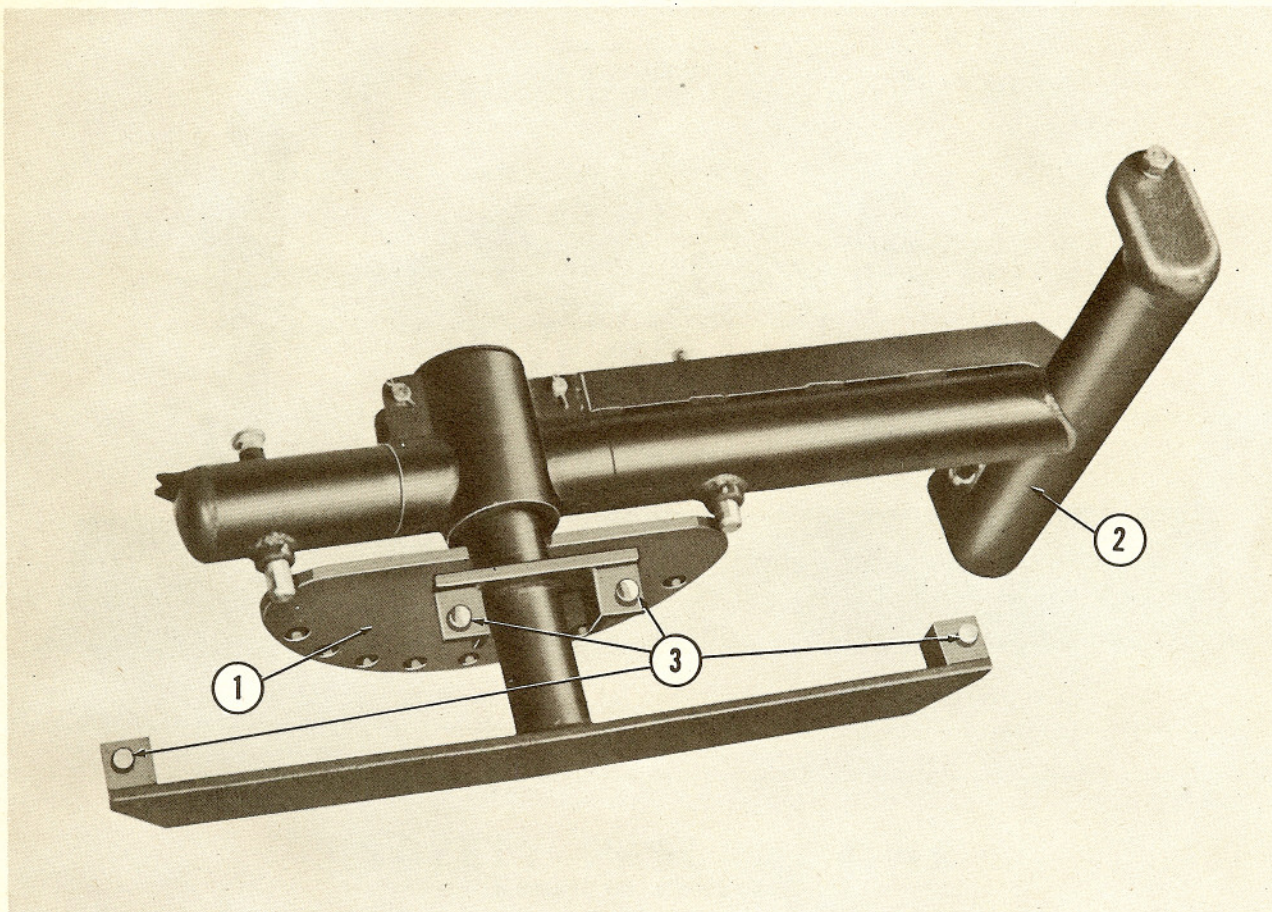


Figure 3

Main Frame Positioned for Attaching Blade

3. Bolt the moldboard and cutting edge assembly to the moldboard mount as follows:
 - a. Remove the four plow bolts (3), Figure 3, from the moldboard mount.
 - b. Place the moldboard (1), Figure 4, in position on the mount as shown, so that the two center bolt holes near the top of the moldboard align with the holes in the mount.
 - c. Insert the plow bolts (2) and secure with lock washers and nuts.
4. Attach the rocker arm (2), Figure 5, to the rear of the main frame as follows:
 - a. Remove the rocker arm pin (5).
 - b. Pull up on the rear lock pin (1).
 - c. Place the fork end of rocker arm under the cap of the lock pin.
 - d. Align the hole in the rocker arm bearing with the hole in the bracket and insert

ASSEMBLY

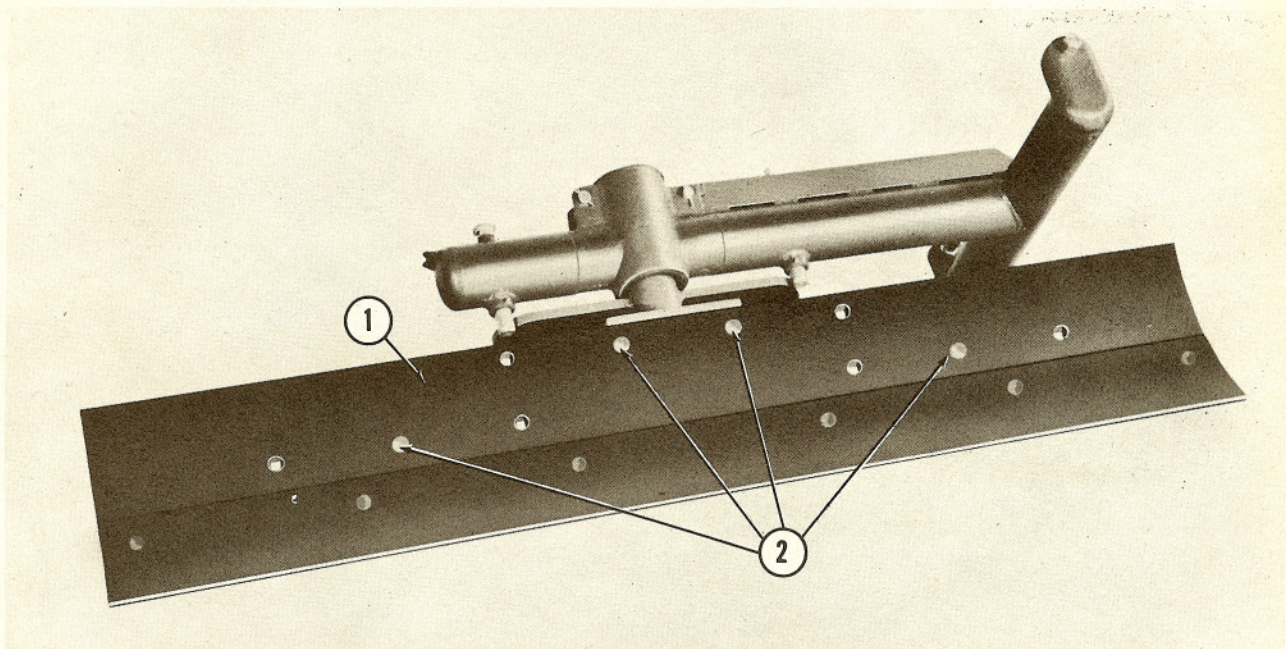


Figure 4

Moldboard and Cutting Edge Attached to Main Frame

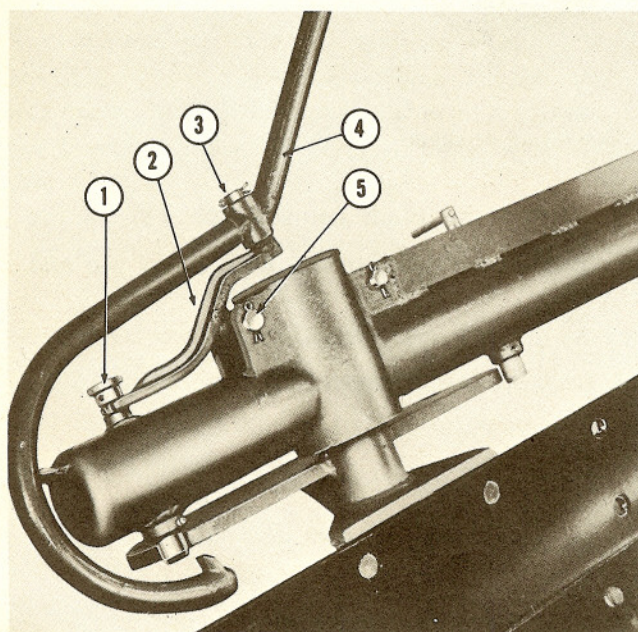


Figure 5

Rocker Arm and Control Handle Attached

the rocker arm pin (5). Secure with cotter pin.

5. Place the control handle (4) on the vertical pin (3) on the forward end of the rocker arm as shown in Figure 5. Secure with cotter pin.
6. Attach the yoke (1), Figure 6, to the cross member of the main frame with link pins (2) and nuts as shown in Figure 6. Be sure the lower end of the clevis (4) on the top of the yoke is to the rear.

NOTE: Link pins are assembled in the reverse position at the factory for shipping purposes only. Remove and insert them as shown in Figure 6.

7. Attach the rear link (3), Figure 6, to the

ASSEMBLY

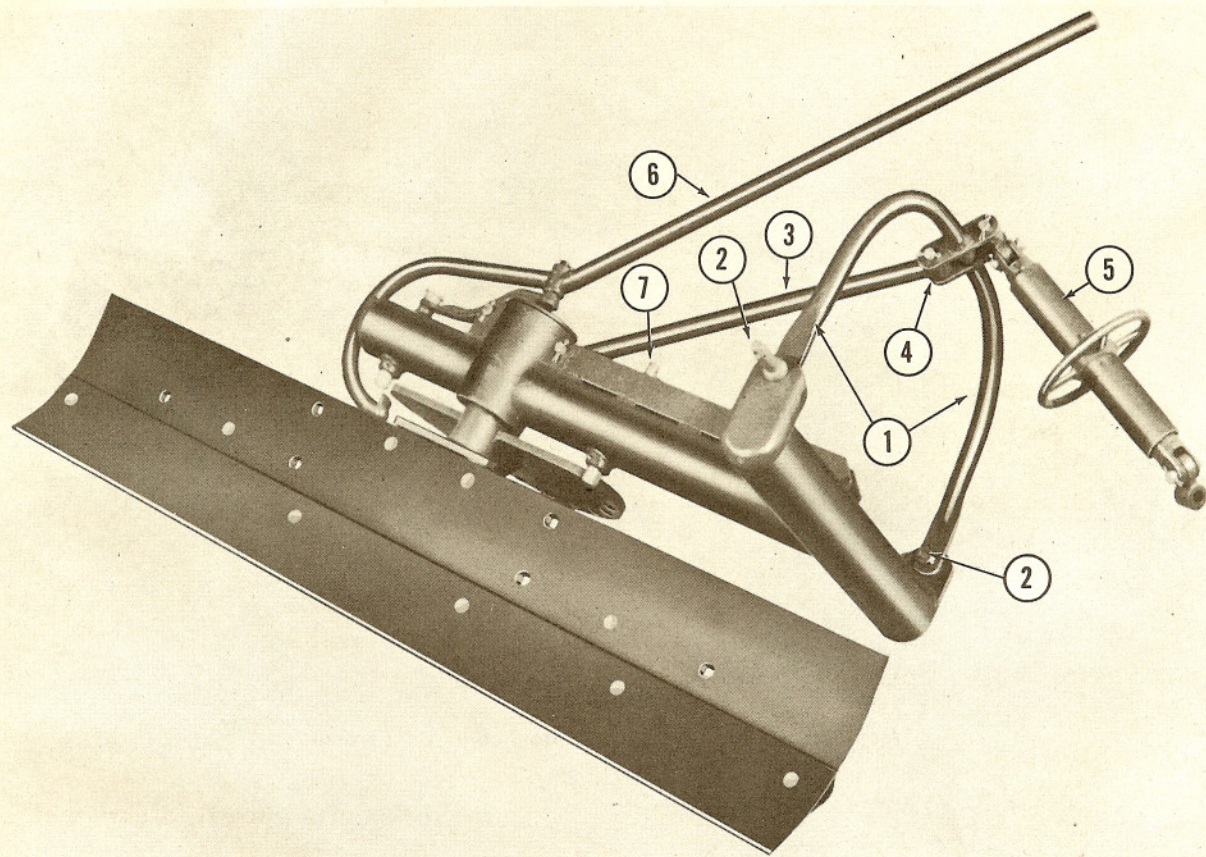


Figure 6

Yoke, Rear Link, and Pitch Control Link Attached

yoke clevis and the main frame as shown. Secure both ends with the clevis pins and cotter pins.

8. Attach the pitch control link (5) to the top of the yoke, secure with clevis pin and cotter pin.

ATTACHING AND DETACHING

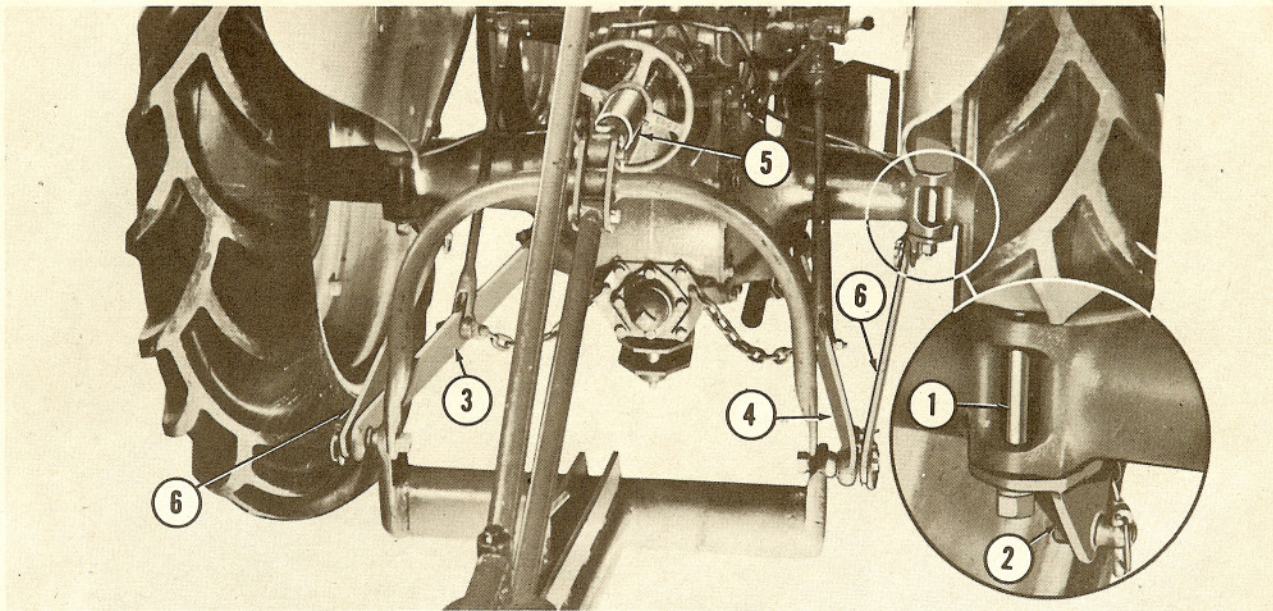


Figure 7

Blade Attached to Tractor

ATTACHING BLADE TO TRACTOR

NOTE: It is recommended that stabilizer bars be used with blade. Stabilizer bars and stabilizer brackets are extra equipment and are available at extra cost from your Dearborn dealer. The brackets are attached as follows:

- a. Remove the fender bolts and replace with long bolts (1), insert Figure 7, provided with stabilizer bracket. Do not remove fenders. (In some cases the tractor fender bolts may be long enough to hold the bracket.)
 - b. Attach the stabilizer brackets (2) as shown in the insert, Figure 7. Secure with lockwashers and nuts.
1. Back the tractor into position for attachment.
 2. Attach the lower left link (3), Figure 7,

and lower right link (4) to the blade. Secure with linch pins.

3. Attach the pitch control link (5) to the main control spring yoke.
4. If stabilizer bars (6) Figure 7 are used attach them as shown. Secure with linch pins.

DETACHING BLADE FROM TRACTOR

1. Lower the blade to the ground.
2. Disconnect the pitch control link from the hydraulic control spring yoke.
3. Disconnect the stabilizer bars from the tractor and from the blade.
4. Disconnect the tractor right and left lower links.

CAUTION: Be sure the blade is completely disconnected before attempting to move the tractor.

OPERATION



Figure 8

The Danuser All Purpose Blade at Work

The Danuser All Purpose Blade is a versatile implement. This implement is well suited for terracing work, ditching, leveling, snow removal, back filling, road and lane grading, clearing of feed lots, and the preparation of revetments for flood control and irrigation. The moldboard and cutting edge may be offset to convert the blade to a ditching implement for roadwork or drainage and irrigation operations.

This implement is constructed so that a wide variety of blade adjustments can be made. A

control handle permits quick and easy adjustment of the blade angle from the tractor seat. The pitch of the blade can also be adjusted from the tractor by means of a pitch control wheel. The blade may be leveled or tilted horizontally by the implement leveling crank on the tractor. This blade is easily handled or transported by means of the Ford Hydraulic Touch Control.

The following information is provided to aid the operator in getting the most out of the Danuser All Purpose Blade.

OPERATION

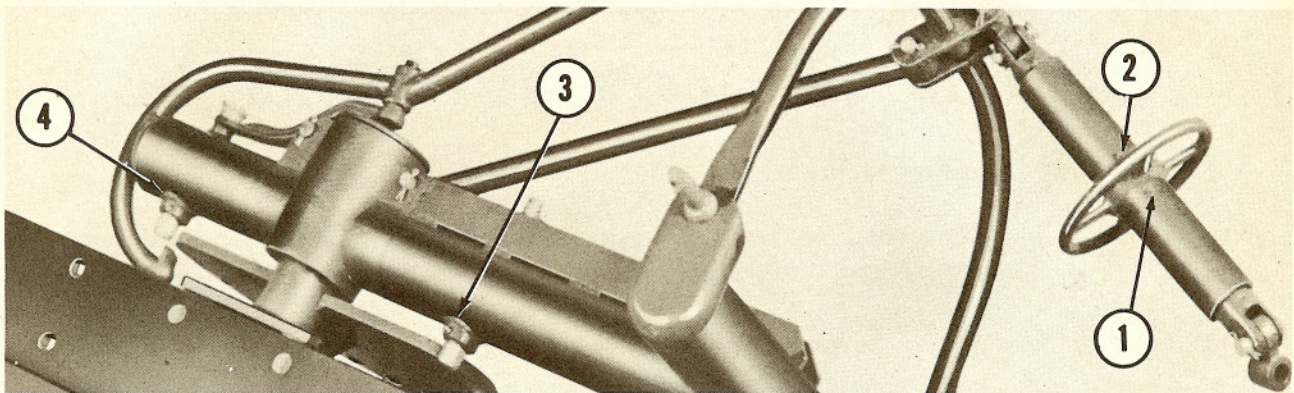


Figure 9
Lubrication Fittings

LUBRICATION

There are four lubrication fittings on the Danuser All Purpose Blade located as follows (See Figure 9):

1. Forward of pitch control wheel.
2. Behind pitch control wheel.
3. Front lock pin.
4. Rear lock pin.

Force enough grease into the bearings to carry out all dirt and dust and to seal the bearings from outside dirt and dust.

ADJUSTMENTS

Blade Pitch: The Pitch of the blade is adjusted by means of the pitch control link (5), Figure 6. Set the blade to desired pitch by turning the wheel on the control link.

Blade Angle: The blade is angled with the control handle (6), Figure 6. Move the control handle to fit the catch on the lower end of the

handle in one of the holes in the quadrant. Pull down on the control handle to release the lock pin and rotate the blade to the desired angle.

NOTE: Be sure the lock pin is in place in a hole in the quadrant when the blade is angled to the desired position.

Leveling or Tilting the Blade: Use the leveling crank on the tractor lift linkage to level the blade or to lower either end of the blade.

Reversing Blade: The blade is easily reversed for such operations as back-filling by releasing the rear lock pin and swinging the blade around one-half turn. Secure the blade in position with the rear lock pin (7), Figure 6.

Off-Setting the Blade: The blade is offset either to the right or left by removing the four plow bolts which hold the moldboard to the main frame, repositioning the blade and inserting the bolts in the extra holes provided for this adjustment. With the blade in the off-set position, it extends beyond the rear wheels of the tractor.

OPERATION

MAINTENANCE SUGGESTIONS

1. Keep the bearings well lubricated.
2. Use touch up paint where necessary on painted surfaces, to prevent rust and maintain appearance of the implement.
3. Store the Danuser All Purpose Blade in a dry place when not in use.
4. Coat the moldboard and cutting edge with a good grade of rust preventative between operating seasons.
5. Your Dearborn Farm Equipment dealer carries a complete stock of genuine Ford Tractor and Dearborn Farm Equipment repair parts. These parts are manufactured and inspected to assure high quality and accurate fit. Insist on genuine Ford Tractor and Dearborn Farm Equipment repair parts.

SAFETY PRECAUTIONS

Most farm implement accidents can be prevented by following these simple precautions:

1. Do not permit anyone but the operator to ride the tractor at any time.
2. Do not permit anyone to ride the implement.
3. Do not leave the tractor while it is in motion.
4. Do not make tractor or implement adjustments when tractor is in motion.
5. Shut off engine before leaving tractor.
6. Keep the tractor keys where they are not available to children when the tractor is in the farmyard.
7. Always lower the implement to the ground with the Ford Hydraulic Touch Control before leaving the tractor.

SERVICE PARTS

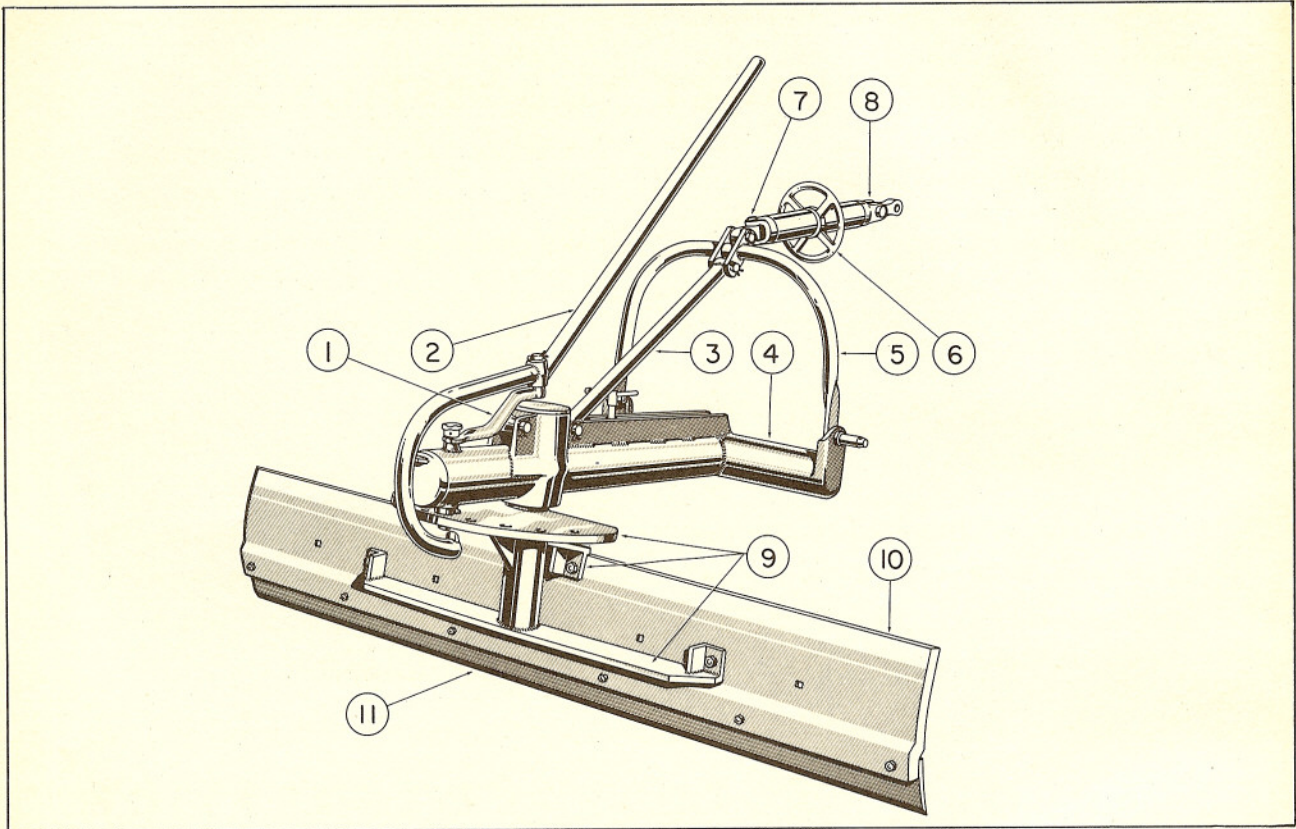


Figure 10

SERVICE PARTS LIST

<i>Ref. No.</i>	<i>D.M.C. No.</i>	<i>Description</i>	<i>Required</i>
1.	191020	Rear Lock Pin Lift Lever Assy.—Welded	1
2.	191014	Angular Control Lever Assy.—Welded	1
3.	191011	Pitch Control Frame Arm Assy.—Welded	1
4.	190980	Main Frame Assy.	1
5.	190996	Main Frame Yoke Assy.	1
6.	191007	Adjusting Screw Assy.—Welded	1
7.	191002	Pitch Control Threaded Tube Assy. R.H.	1
8.	191005	Pitch Control Threaded Tube Assy. L.H.	1
9.	191025	Moldboard Mounting and Pivot Shaft Assy.	1
10.	191036	Moldboard	1
11.	191037	Blade—Moldboard	1

SEE YOUR LOCAL FORD TRACTOR DEALER

Here are some of the implements in the Dearborn Farm Equipment Line:

DOUBLE-BOTTOM PLOWS	FIELD CULTIVATORS	HEAVY DUTY LOADERS
DISC PLOWS	FOUR ROW WEEDERS	LIGHT LOADERS
TWO-WAY PLOWS	ROTARY HOES	HYDRAULIC SCOOPS
MIDDLEBUSTERS	LISTER PLANTERS	TERRACING BLADES
SINGLE DISC HARROWS	BUSTER PLANTERS	SCRAPERS
TANDEM DISC HARROWS	MOWERS	4-WHEEL WAGONS
SPRING TOOTH HARROWS	SWEEP RAKES	POST HOLE DIGGERS
SOIL PULVERIZERS	DEARBORN-WOOD BROS.	DISC RIDGERS
SUBSOILERS	CORN PICKERS	SNOW PLOWS
ROW-CROP CULTIVATORS	DEARBORN-WOOD BROS.	BLADE SCRAPERS
SPRING SHANK CULTIVATORS	COMBINES	

Your dealer will be glad to come to your farm and, without obligation, demonstrate any equipment that interests you. Other equipment is constantly being developed and added to the Dearborn line.

Ask for a Demonstration

DEARBORN MOTORS CORPORATION

EQUIPMENT WARRANTY

DEARBORN MOTORS CORPORATION warrants all parts (other than tires) of equipment bearing the trade mark "Dearborn Equipment" to the original purchaser thereof at retail, for a period of six (6) months from the date of delivery thereof to the original purchaser at retail, to be free from defects in workmanship and material under normal use and service. The obligation of Dearborn Motors Corporation under this warranty shall be limited to shipment, without charge to the original purchaser at retail, of the part or parts acknowledged by Dearborn Motors Corporation to be defective in workmanship or material. This warranty is in lieu of all other warranties, expressed or implied, and of all obligations or liabilities on the part of Dearborn Motors Corporation, and it neither assumes nor authorizes any person to assume for it, any other obligation or liability in connection with workmanship or material of equipment bearing the trade mark "Dearborn Equipment" or any part thereof. This warranty shall not apply to any Dearborn Equipment, or any part thereof, which has been damaged in any accident, or by fire, flood, or Act of God, or abused or misused, or which has been altered elsewhere than at the place of manufacture, or in which the original purchaser thereof at retail, has used or allowed to be used, parts not made or supplied by Dearborn Motors Corporation. Dearborn Motors Corporation reserves the right at any time to make changes in the design, materials and/or specifications of equipment bearing the trade mark "Dearborn Equipment" and/or accessories therefor, without thereby becoming liable to make similar changes in equipment bearing the trade mark "Dearborn Equipment" and/or accessories therefor, previously manufactured.

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