

Ferguson
DISC TERRACER
INSTRUCTIONS

Harry Ferguson, Inc.
Dearborn, Michigan.



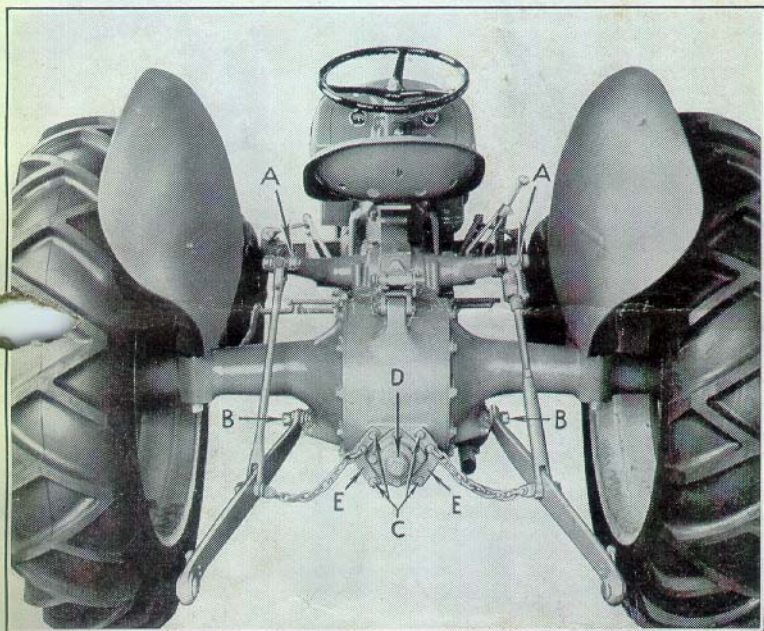


FIG. 1

1. Remove linkage at points A-A, B-B and C.
2. Replace cap screws at C to keep out dirt.

WARNING

1. When the anchors E-E are being fitted again for normal work, make sure there is no twist in the chains. Any twist would shorten the chain and damage the hydraulic mechanism.
2. It is of the greatest importance that the nuts B-B be tightened very securely, and cotter pins fitted. Serious damage might be caused if one of these nuts came off.

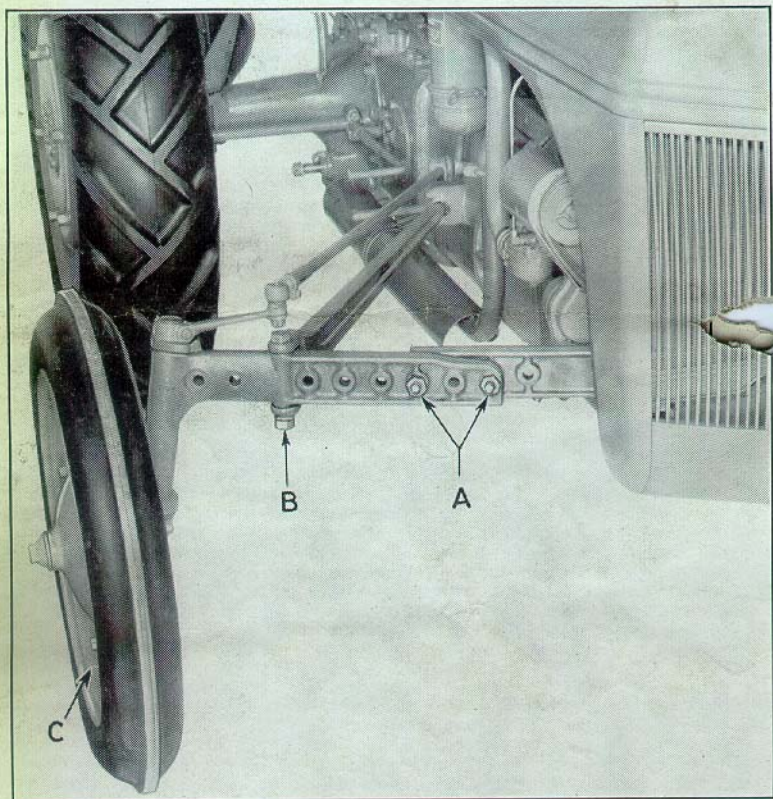


FIG. 2

1. Set out right front axle of tractor as shown.
2. Threads at A and B should be greased and the nuts tightened tightly after axle is set out.
3. Left side front axle should be set on narrowest track.
4. If Terracer is to be operated in light soils, right front wheel of tractor should be reversed. This is done by removing nuts around hub C. Reversing this wheel permits a wider cut with disc.

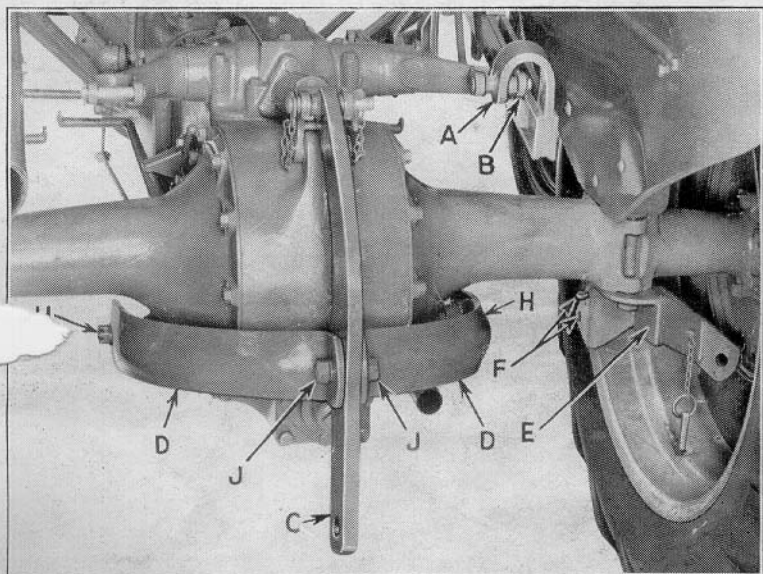


FIG. 3

1. Attach rear end of Terracer lift rail A to tractor as shown.
2. See that cotter pin is inserted and spread at point B.
3. Assemble control beam C and braces D-D as shown.
4. Grease threads at H-H and J-J and tighten nuts tightly. Replace cotter pins at H-H.
5. Fit brace bracket E under right axle housing as shown, using longer fender bolts supplied. Grease threads and tighten nuts tightly.
6. Bracket E replaces regular stabilizer bracket when stud and linch pin from regular bracket are attached at Point F.

NOTE: Bracket E may remain on tractor for other work except where it interferes with plant clearance.

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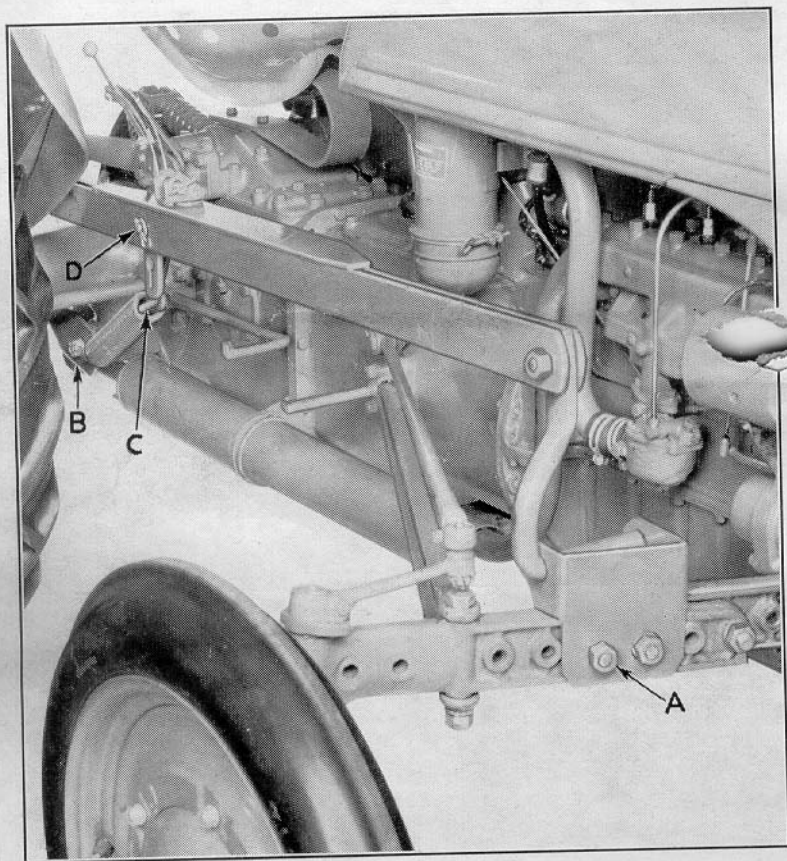


FIG. 4

1. Front support bracket for Terracer lift rail is attached as shown. Grease thread and tighten nut tightly at point A.
2. Hook one end of spring at point B thru hole in front end of control beam brace.
3. Hook other end of spring at point C to hook rod which is attached to lift rail at point D.

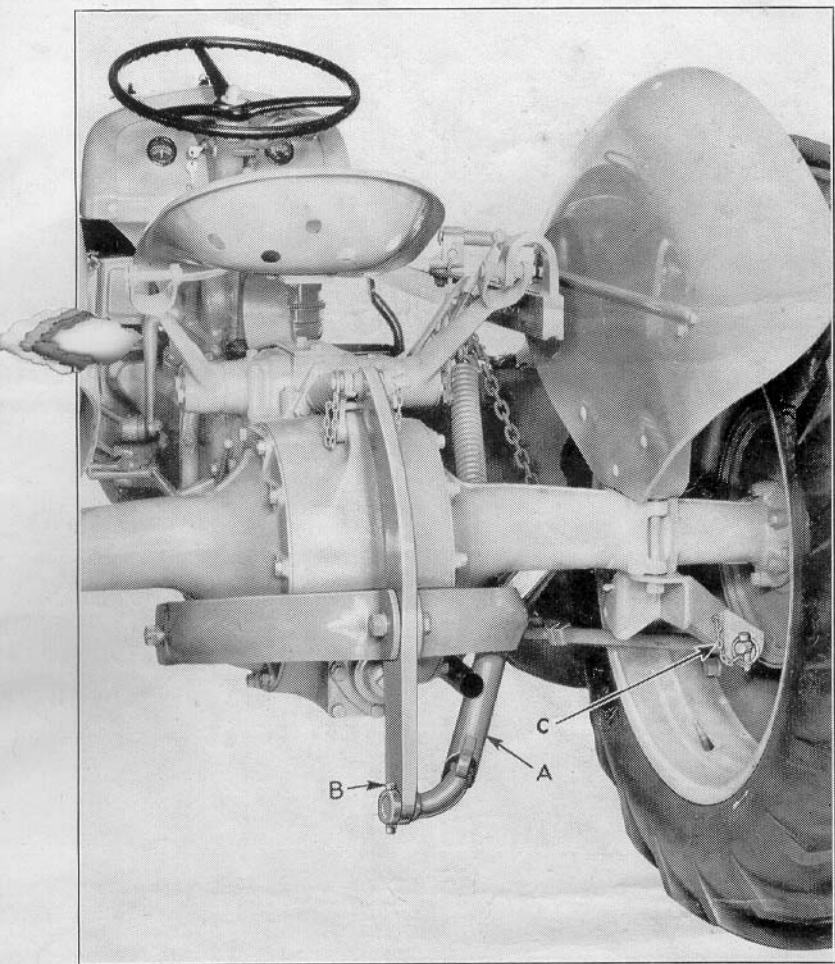


FIG. 5

1. Remove collar from rear end of disc beam A. Fit end of beam thru hole in upright control beam.
2. Replace collar on end of beam as shown at point B.
3. Adjustable beam radius rod is attached to brace bracket as shown at point C.

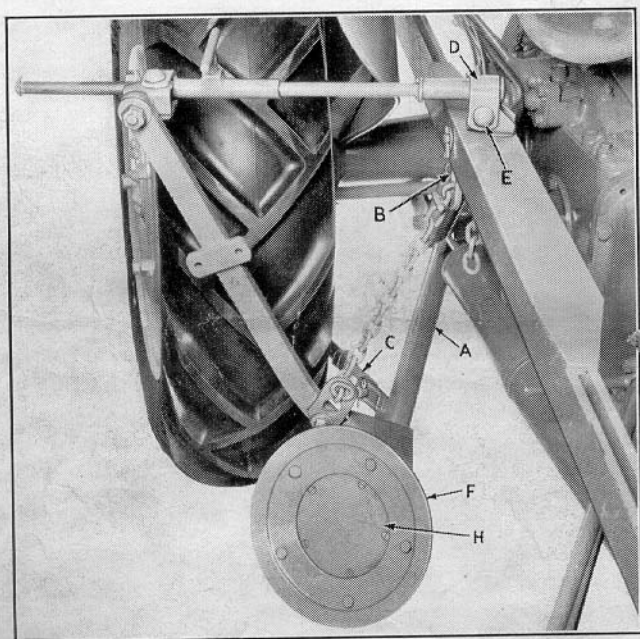


FIG. 6

1. Showing how disc beam A is assembled at front end.
2. Adjustable lift chain is hooked up as shown at point B.
3. Front end of adjustable beam radius rod C is attached to beam bracket and keyed with cotter pin.
4. Swivel bracket D on round adjusting bar is attached to bracket on lift rail by inserting Pin E. Replace and spread cotter key in pin E.
5. The disc hub F is fitted with an alemite oiler and should be lubricated as often as the tractor is lubricated.
6. The disc hub F is equipped with Timken tapered roller bearings. Adjustment for wear can be made by removing hub plate H. This gives access to the adjusting nut on end of spindle.

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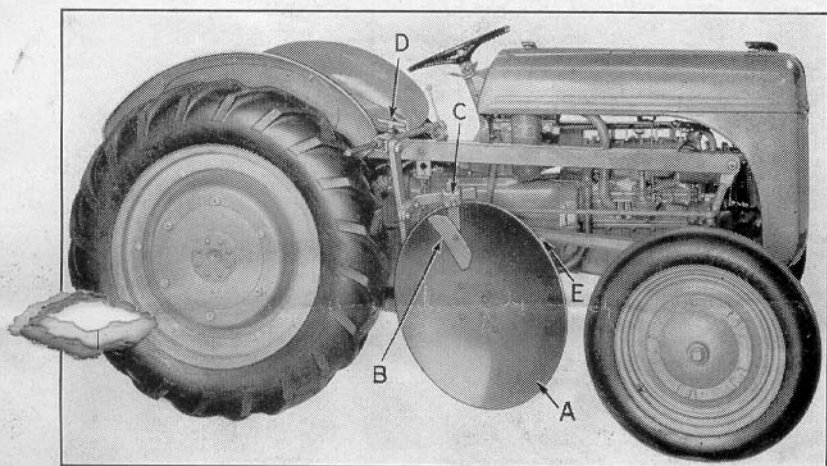


FIG. 7

1. Showing complete Terracer ready for operation, after disc blade A and scraper assembly B have been fitted.
2. Scraper blade B should be adjusted about $\frac{1}{4}$ in. from surface of disc blade A.
3. Hand clamp D is for adjusting angle of disc blade to meet various conditions encountered in the construction of terraces.
4. Before operating Terracer make sure that disc blade does not touch tractor radius rod at point E. Check this position with disc raised as high as it will go and with hand clamp D as far inward as it will go.
5. If disc blade touches tractor radius rod at point E, shorten beam radius rod C shown in Fig. 6.
6. If disc blade touches tractor radius rod at point E, shorten beam radius rod C shown in Fig. 6.

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OPERATING HINTS

1. When opening first furrow it is advisable to adjust the lift chain so that disc will be let down one or more links below the highest position.
2. It is important to steer the tractor so that the disc has a uniform width of cut. If this be done, the depth of cut is uniform because it is controlled automatically by the Ferguson system.
3. Information regarding the construction of terraces may be obtained from various agencies engaged in soil conservation work throughout the country.