

Assembling Instructions



MCCORMICK
INTERNATIONAL

Post Hole Digger

ARCHIV



10038

D-10

Read and observe these instructions carefully!

Attachment & Operation of Post Hole Digger

I. Attachment

1. Adjust right and left drop links (1 & 2) to equal length, using a yardstick.
2. Attach beams (3) to tractor at (4), see Fig. 1.
3. Block up beams (3) at rear ends to obtain a horizontal position of beams.
4. Attach lower links (5) and stay links (6) to bracket (7). Whenever necessary, lower or raise lower links slightly.
5. Bolt auger to gearbox flange, see Fig. 3.
Tighten bolts well.

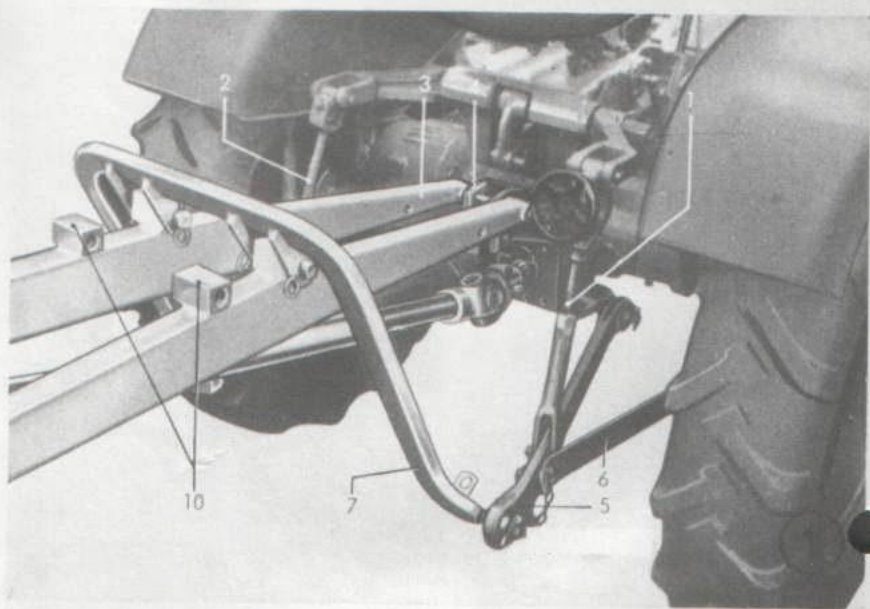


Fig. 1 - Attachment of lift beams

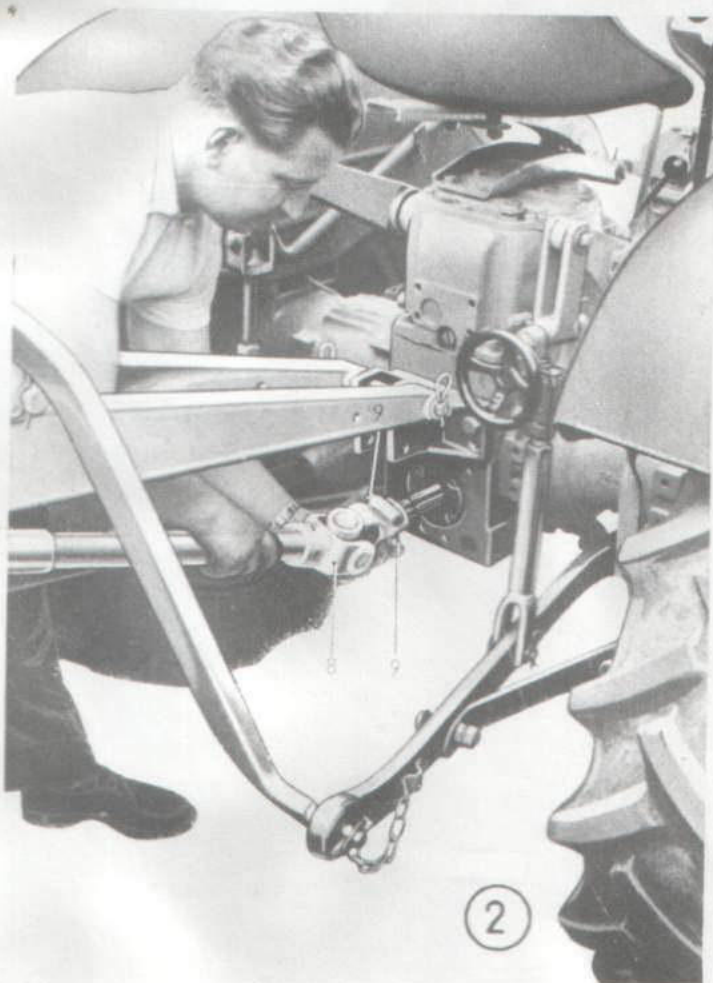


Fig. 2 - Attachment of drive shaft to power take-off shaft

6. Remove power take-off cap. Grease end of power take-off shaft.

Attach drive shaft (8) to tractor power take-off shaft, pushing in pins (9) and slipping the drive shaft on the power take-off shaft until the pins engage audibly, see Fig. 2.

7. Fully raise implement with hydraulic lift.
8. Check that auger can be turned easily by hand.
9. Engage power take-off shaft (with auger in a fully raised position) to check that auger is running smoothly.
10. Under normal conditions bracket (7) rests on front bearings on beams (3).
It should, however, rest on rear bearings (10)
 - a) if the hitch points of lower links are not favourably located relative to that of beams. Possibly bracket (7) should be in a vertical position.
 - b) whenever small augers (see illustrations 1 & 2) are used.
 - c) if the lifting power of the hydraulic lift is insufficient to raise the implement with the bracket resting on front bearings.

Serial Number

You will find the serial number stamped on the beams and marked with red paint. Be sure and state this number when ordering replacement parts.

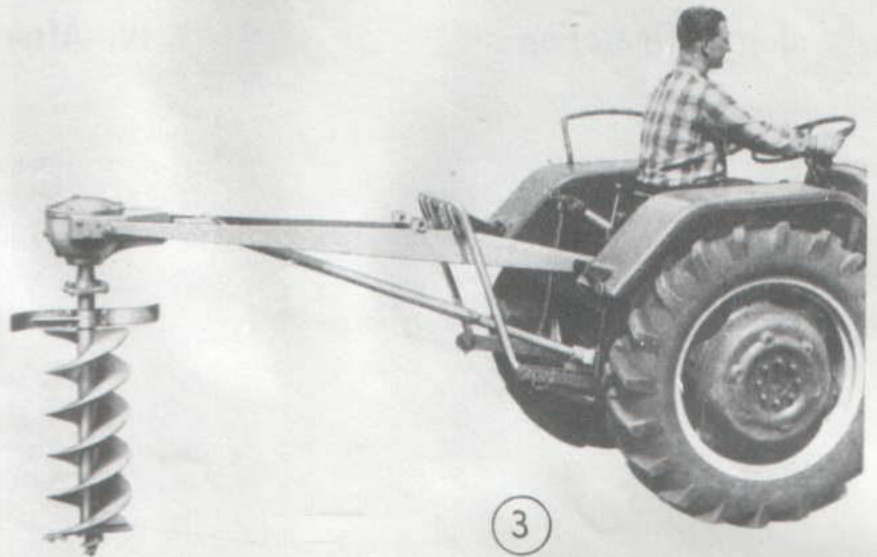
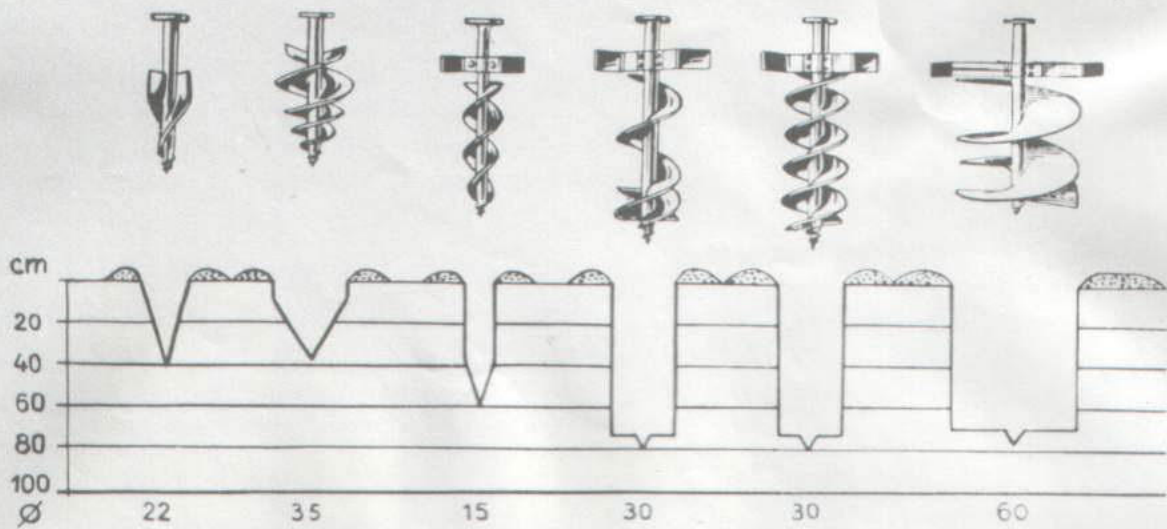


Fig. 3 - Post hole digger, correctly attached

The overload release clutch on the universal joint shaft has been provided with a permanent lubricant. To avoid torque fluctuations, grease gun should be applied to the nipples on the overload clutch once or up to 3 times a year, depending on the strain to which it is subjected.



Type of Auger No.	Illustration	Diameter cm	Maximum Depth cm	Weight kg
10	1	22	40	10
20	2	35	35	17.5
30	3	15	60	13
40	4	30	75	28
50	5	30	75	30
61	6	60	70	65

II. Before Operation

1. Lubrication

Lubricate drive shaft and other sliding parts with semifluid oil. Apply grease gun to yellow nipples.

2. Transport

Disengage p. t. o. shaft. Fully raise implement with hydraulic lift.

III. Operation

1. Engage power take-off shaft to start auger running.

Note: Under no circumstances should the tractor be driven forward or backward during operation. Apply brake, whenever required!

2. Lower the auger slowly with the hydraulic system until the auger is touching the soil.
3. Continue to slowly lower the auger in accordance with prevailing soil conditions and diameter of hole desired. When a big hole is to be bored, raise auger several times and clear out loose earth before completing the hole.
4. If, due to excessive strain, the overload clutch should engage (making a clearly audible noise), **immediately** withdraw auger and lower it once more at reduced speed. If the overload clutch should engage a second time, check whether the auger has struck an obstacle (big stone, tree, etc.).

IV. After Operation

1. Clean the implement for road transport.

2. Detachment

If possible, drive the tractor with the implement to the storage place. It is not necessary to remove the auger when the implement is supported on two blocks after it has been lowered. Detach lift beams from tractor. Subsequent attachment will be an easy matter.

Should this method prove impracticable, remove auger before detaching implement.

V. Maintenance

See „Lubrication“

Thoroughly grease or oil drive shaft. After a long period of disuse, check that drive shaft is all right. Remove rust, if any. Thoroughly lubricate surfaces.

Apply grease gun to nipples on universal joints of drive shaft every 10–15 hours of operation. Frequently oil push pins.

Tighten all bolts after first 20 hours of operation.

Check gearbox oil level at regular intervals by loosening filling screw. With the gearbox in a horizontal position, the oil should be level with the threaded hole. Top up as necessary with Shell transmission oil No. 90 or similar.

Do not use oil of inferior grade!

Drain and refill gearbox after first 50 hours of operation, then after every 500 hours.

Drain gearbox by loosening screw on the bottom of gearbox. Refill with 2 litres of oil.



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