

DAFP INSTRUCTION

MANUAL

FITTING TOWING ARM TO PLOUGH

ARM FOR DOWDESWELL REVERSIBLE SHEARBOLT PLOUGHS:-

- 1) Bolt the Front and Rear Mounting Brackets to the first and second leg brackets on the plough respectively, using the longer bolts provided.
- 2) Fit the Main Arm to the Rear Mounting Bracket and the pick-up bracket to the Main Arm.
- 3) Attach the Tension Rod with the bolt through the Front Bracket and the pin through the Main Arm.
- 4) For transport, remove the pin from the Tension Rod, fold the Main Arm rear wards and re-locate the Rod in one of the three holes provided on the Main Arm.

UNIVERSAL ARM FOR REVERSIBLE OR CONVENTIONAL PLOUGHS:-

- 1) Attach the Mounting Bracket and Plate to the plough beam adjacent to the second furrow (either in front or behind, whichever is more convenient).
- 2) Fit the Main Arm to the Mounting Bracket and the Pick-up Bracket to the Main Arm.
- 3) Attach one end of the chain to the Main Arm with a shackle and the other end to a forward position on the plough (as far forward as the chain will allow, ensuring that the Main Arm is roughly square to the plough).

TRANSPORT

PLOUGH ARM

Fold the towing arm rearwards against the plough as described previously.

FURROW PRESS

All furrow presses are supplied with a 3 point linkage for transporting in the fully mounted position.

CRUMBLER ROLLER

For transport the crumbler roller remains attached to the furrow press, which is fully mounted

All crumblers are fitted with pneumatic tyred wheels for transport. These are levered from work to transport with the pole provided, which is stored on the drawbar.

!WARNING!

The rings on Furrow Presses and Crumbler Rollers are made of cast iron.

Under no circumstances therefore should they be towed over hard surfaces such as concrete, tarmac etc, or towed at a speed across land.

ADJUSTMENTS

For tractors working in the furrow the length of the towing arm on the plough should be adjusted so that the pick-up hook is approximately 300mm (1 foot) outside the tractor tyre. If the hook is closer than this, the press arm is likely to foul on the tyre as the tractor enters the furrow at the beginning of a bout.

For tractors working on the land the pick-up hook is well outside the tractor anyway and need only be adjusted to alter the distance between the press and the plough.

In both cases, avoid having the plough arm much longer than is needed as unnecessary load is put on it.

The length of the arm on the press should then be adjusted so that as the tractor begins a bout the arm is long enough to engage with the pick-up hook but not too long with unnecessary overlap.

The height of the arm on the press can be altered by adjusting the eye bolt on each draw arm assembly. This assembly is spring loaded to prevent shock loads to the arms when the press is disconnected from the plough.

TURNING PROCEDURE

At the end of each bout the press is disconnected from the plough by raising the plough and turning towards the ploughed land. Turning on the headland and reversing the plough is completed as usual. The press is re-connected as the plough enters work by the pick-up arm engaging with the press arm which is protruding at 90° to the press.

With a combination roller the turning procedure is exactly the same, as the crumbler roller automatically turns to follow the press.

ADJUSTING WORKING WIDTH

The axle assemblies on the DAFP are telescopic to allow the working width to be altered as necessary.

The rings inside the main frame of the press fit on 70mm diameter axle tubes. The rings outside the frame run on 50mm diameter axles which pass through the bearings into the axle tubes. These are retained at the required extension bolts on the inside of the frame which run through the appropriate spacers, axle tubes and axles.

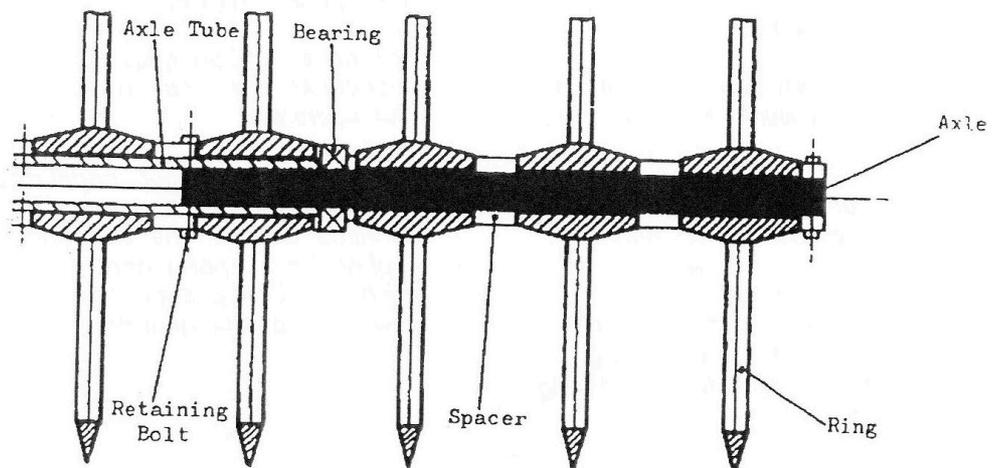
EXTENDING THE WORKING WIDTH

Please note that when extending the press 2 rings have to be added, both on the same axle gang, to retain the balance of the furrow press.

- 1) Remove the axle retaining bolt on the inside of the frame.
- 2) Pull out the axles by one ring spacing (200mm) and refit the bolts in the next spacers.
- 3) Remove the collars from the free ends of the axles.
- 4) Fit the additional spacers and rings.
- 5) Re-fit the collars and check all nuts for tightness.
- 6) If necessary, fit an extra cleaning chain. Extension brackets will be required once there are three rings on an axle. When on maximum extension an extra long axle will be required at one position.

REDUCING THE WORKING WIDTH

The same procedure should be followed as for extending the working width but in reverse order.



SAFETY

PRECAUTIONS

- 1) Read and familiarise yourself with the operating instruction book.
- 2) Take all possible precautions when leaving the tractor unattended, such as lowering the attachment(s), shifting into neutral, setting the parking brake, stopping the tractor engine and removing the key.
- 3) Keep all nuts, bolts and screws tight and be sure that the equipment is regularly lubricated to keep it in safe working condition.
- 4) Ensure all guards and covers are in working order and in position before starting work.
- 5) Only use the machine for the tasks mentioned in this book.
- 6) Never operate the machine with persons on or near it.
- 7) Consult the Tractor Manufacturer's Manual for instructions on mounting implements and safe working order.
- 8) Observe all safe driving procedures, such as reducing speed on slopes and sharp turns.
- 9) Avoid working on ground where there is a risk of the tractor overturning.
- 10) Do not cultivate across the face of slopes.
- 11) Always wear substantial or safety footwear.
- 12) Always avoid loose clothing which may be caught in moving parts.
- 13) Always wear gloves when handling machines or parts with sharp edges.
- 14) Never allow children or untrained persons to operate the machine.
- 15) Never carry out repairs or adjustments to a mounted machine unless the tractor engine is stopped and the machine firmly supported or lowered to the ground.