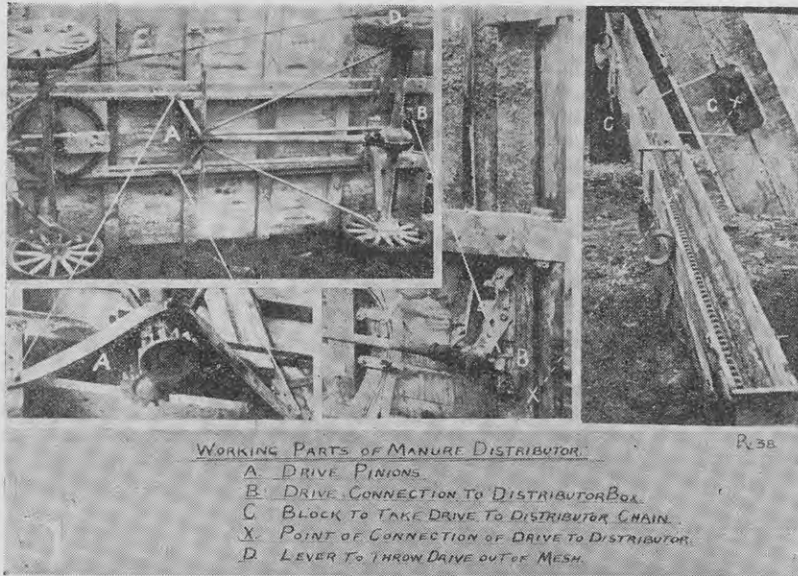


Speeding Up Top-dressing.

Construction of Distributor Described.

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WORKING PARTS OF MANURE DISTRIBUTOR.

- A. DRIVE PINIONS.
 B. DRIVE CONNECTION TO DISTRIBUTOR BOX.
 C. BLOCK TO TAKE DRIVE TO DISTRIBUTOR CHAIN.
 X. POINT OF CONNECTION OF DRIVE TO DISTRIBUTOR.
 D. LEVER TO THROW DRIVE OUT OF MESH.

AS a number of readers have requested further information in the making of the manure-distributor described on page 243 of the September issue of the *Journal*, the following details are given to assist those interested in the construction of a similar machine.

The main point to be made clear is the assembly of the drive. As stated in the previous article, the drive is obtained from the differential via the tail-shaft through a return shaft. The method adopted can be seen in Fig. 4, the intermediate drive being obtained by mounting the ends of tail and return shafts to a cross member between the chassis with suitable pinions fitted (A in Figs. 1 and 4), those illustrated being obtained from an old reaper-and-binder.

The return shaft is mounted on to a cross member on the underside of the decking at the rear of machine, giving the final drive through a crank fitted to the end (B in Figs. 1, 2, and 4).

To throw the final drive out of mesh, a lever (D in Figs. 1 and 2) is fitted to the return shaft, and is pivoted to a longitudinal support of the decking. A light rod (E on Figs. 1, 2, and 4) runs from the end of this lever to the front of decking, where it is in a handy position for the driver to operate.

The distributor-box is made from 12 in. by 1 in. dressed timber. It is 20 ft. long, and is joined at ends, making the width at top 16 in. and at the bottom

14 in. An iron plate, 6 in. by $\frac{1}{16}$ in. is attached to the bottom, being lapped to the outsides. Holes of $\frac{5}{8}$ in. are drilled every 3 in. in this plate. Another plate,

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