

Instructions for
Attaching
1½ Horse Power
Hercules Engine
to Following Binders:

Acme	Milwaukee
Champion	Osborne
Deering	Plano
John Deere	McCormick
Walter A. Wood	

The HERCULES GAS ENGINE CO. Evansville, Ind.

SPECIAL INSTRUCTIONS FOR ATTACHING
ENGINE TO MILWAUKEE BINDER.

- 1st. Place the tubes #5 and 6 on top of the main Tubular steel sills with the inside ends of the tubes No. 5 and 6 under the Truss cross sills.
- 2nd. Place the iron spacing blocks (which are special for the Milwaukee binder) between the cross sills and the tubes, clamp them lightly with the special short "U" bolts.
- 3rd. Place the platform No. 8 on the outer end of the tubes and adjust the spacing blocks until the platform is level, then tighten the "U" bolts, and proceed according to general instructions.

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Referring to numbered sketch below proceed as follows:

- 1—Remove main bull wheel chain (No. 1) and leave it off.
- 2—Remove side shaft (No. 2), crank (No. 11) and chain sprocket (No. 4).
- 3—Put crank (No. 11) on the new shaft which we furnish.
- 4—Put new shaft in place of old one. Put the set collar (No. 17), as shown in circle on opposite side, behind the shaft bearing and tighten the set screw (No. 15) to prevent the shaft (No. 2) from shifting endwise. The double chain sprocket that we furnish goes on the other end of the shaft (No. 2). The large sprocket carries the chain from the engine and the small sprocket takes the place of the sprocket which was on the old shaft that you have removed, and operates the elevator and binder mechanism.
- 5—Attach tubes (No. 5 and No. 6) to the bull wheel frame by means of small U bolts (No. 7), as shown in sketch.
- 6—Fasten wooden platform (No. 8) which is a part of the box equipment is shipped in, to the tubes (No. 5 and No. 6), using the small U bolts (No. 7) and fastens one end of the platform to seat support (No. 12) using the long U bolt (No. 13).
- 7—Remove pulley and put combination sprocket clutch (No. 9) on the engine shaft, using the key and set screw to fasten it on.
- 8—Place engine on the wooden platform and put on the drive chain (No. 10) from the clutch sprocket to the outside or large sprocket of the double sprocket and line it up so that it runs straight and is tight enough. Then mark where the bolts for holding the engine to the platform should be, also place the clutch shift lever in a convenient position for the driver to reach, and mark the holes for bolting the clutch lever support (No. 14) on the under side of the wooden platform.
- 9—Take off the engine and bore the marked holes, then bolt on the clutch lever support and place the engine back on platform and bolt down.
- 10—The weight of the engine will just about balance the weight of the pole, but it will be necessary for you to fasten the counter weight, which we furnish, to the pole and far enough out to balance the weight of the driver.
- 11—Remove the twine can from its original position and put it in some other convenient place.

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