

RAISING THE TOWER/WINDMILL ASSEMBLY

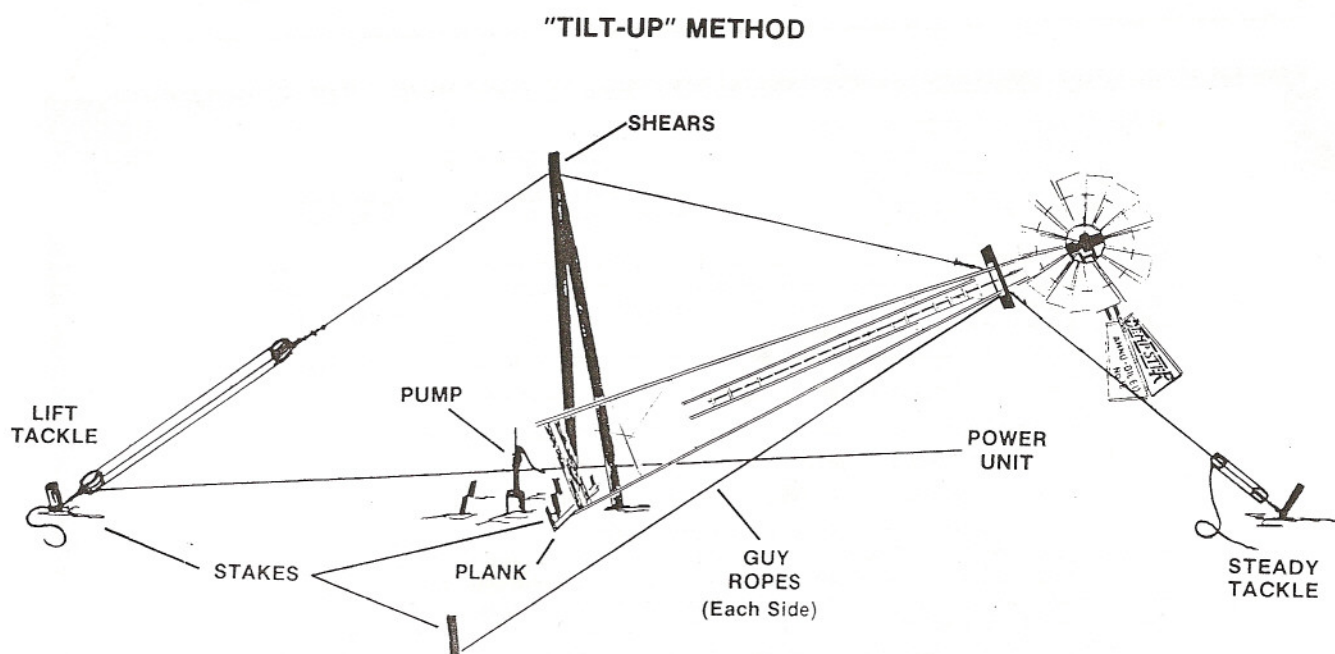


FIGURE 15

Uncrate sections and use crate to rest tower on, so mill will clear the ground when putting it on tower. Put mill on tower, including wood rod. Bolt a plank 2" X 6" X 16' across bottom end of tower. Drive stakes firmly at each end of plank, so plank will not slide while tower is being raised. Level the plank by blocking under ends.

Use a pair of shears made of 4" X 4" lumber about 16' long, with bolt through top ends about 1' from end. Fasten block and tackle to post securely set in ground some distance away from bottom end of tower and in line with center of tower. Fasten rope to tower just below platform, pass it over shears and attach to tackle blocks. Fasten rope to shears so they will not drop out as the tower comes up.

Fasten another rope to the other side of the tower below platform and to small tackle block attached to a stake driven in ground close to top of tower. This line will keep tower from being pulled over.

Attach side guy ropes to each side of tower and to stakes set in ground, in line with plank bolted to bottom of tower. This will insure against accident, especially in windy weather.

Before raising the tower, make sure all bolts are tight in tower and mill, all ropes securely tied, all stakes set firmly and wheel secured. The tower may be raised with a truck or tractor. At least two men are required — one to drive the power unit and the other to play out the blocks from behind.

When tower is in a vertical position, align the holes in the two free corner posts with the holes in the anchor posts and put in the bolts. Then, pull tower over just a little, take out the plank and fasten the other two corner posts. If anchor posts have been set properly, the tower will be plumb and centered over the pump.

If anchor posts have not been set before raising tower, raise tower to vertical position. Then bolt two anchor posts to the two free corner posts and let tower down, so anchor plates will rest on bottom of holes. Pull tower over a little, take out the plank, bolt on the other two anchor posts and let tower down. Now, see that tower sets plumb. Use a spirit level on lower girts or a plumb line from top of tower to pump, and tamp dirt or rock under anchor plates that are too low. If tower is not centered over pump, move it over until it does. Fill holes and tamp dirt firmly and thoroughly.

Remove the ropes from tower and connect the wood pump pole to the pump. Remove the lifting gear.

SEE FORM 2539 — WINDMILL ASSEMBLY INSTRUCTIONS — FOR COMPLETE DETAILS OF THE FINAL INSPECTION, OILING AND THE ADJUSTMENT PROCEDURE PRIOR TO PUTTING THE WINDMILL INTO OPERATION.