

9" HORZ. DRIVE

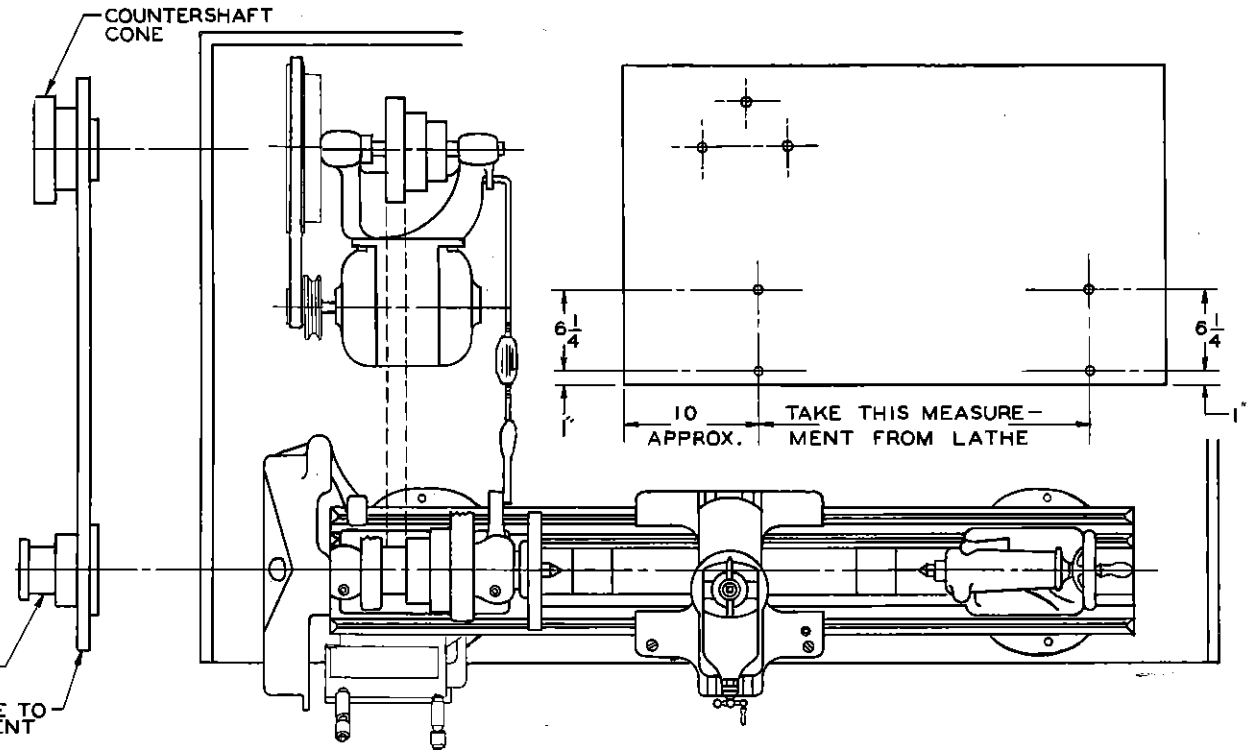
EP-140

TO MOUNT MOTOR & CHIP GUARD ON DRIVE UNIT

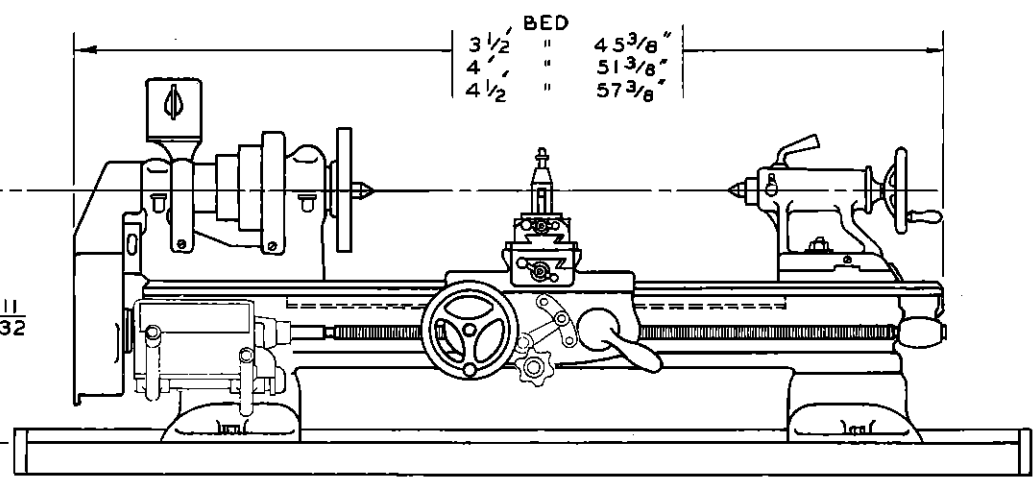
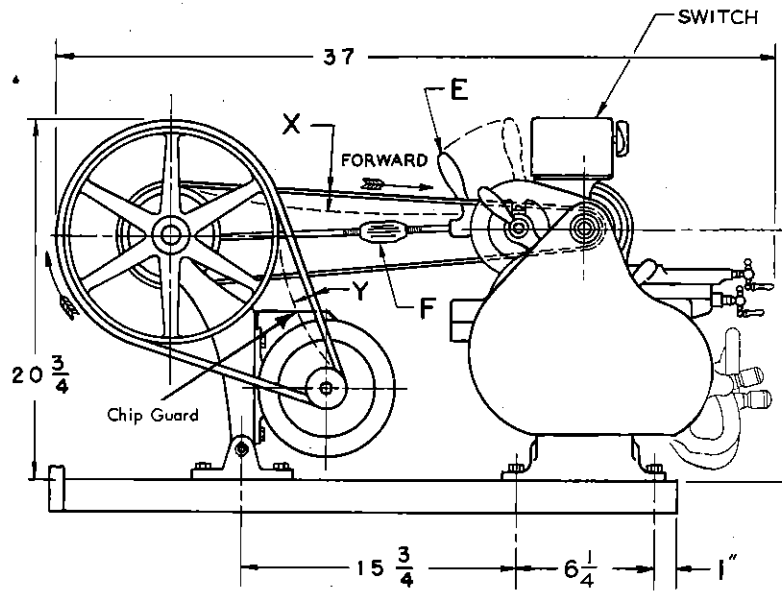
1. Mount the pulley on the motor shaft. Be sure the large step of the pulley is on the inside.
2. With the four hex cap screws and washers provided, mount the motor on the drive unit with the tongue of the chip guard between the drive unit and the motor bracket.
3. Install belt on drive unit.
4. Use a straight edge to check alignment of the motor pulley and the drive unit pulley. Adjust if necessary. Tighten motor mounting screws and motor pulley securely when properly aligned.

TO MOUNT LATHE ON BENCH

1. Set lathe and countershaft drive unit on bench as shown, use straight edge to align both cone pulleys. Scribe outline of holes in lathe and countershaft drive unit. Remove both units and drill holes in bench. Remount lathe with drive unit and align cone pulleys with straight edge. Fasten both units securely with bolts.
2. Place belt tension lever "E" in tight position and adjust turnbuckle "F" so that the ends of the rods touch each other.
3. Assemble belt around cone pulleys.
4. Place belt on center step of cone pulleys. Rotate cone pulleys by hand and adjust the drive unit or countershaft pulley until belt runs in center of both pulleys.
5. Do not run lathe with belts too tight, excessive loss of power and damage to bearing may result.
6. Belt tension should be adjusted so that moderate pressure with thumb at "X" & "Y" will depress the belts about one inch to positions indicated by dotted lines.



STRAIGHT EDGE - USE TO TEST CONE ALIGNMENT



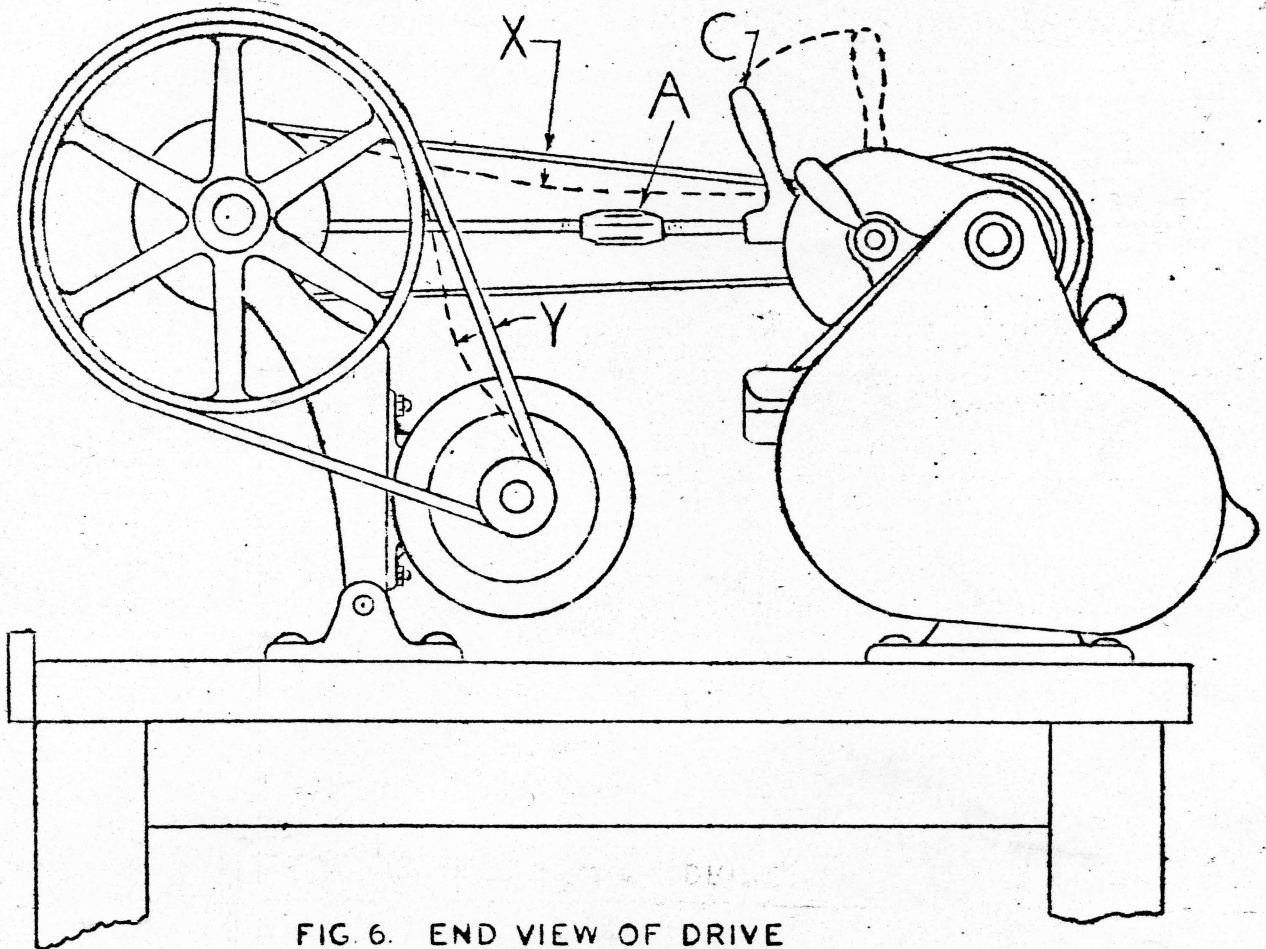


FIG. 6. END VIEW OF DRIVE

THE CONE PULLEY BELT MUST NOT BE TOO TIGHT

Correct Belt Tension Adjustment.
For Adjustable Horizontal Motor Driven Lathes

1. Do not run lathe with cone pulley belt too tight. Tight belts cause excessive loss of power and may damage the bearings.
2. The toggle construction of belt tension release "C" provides a tremendous leverage, and for this reason care must be exercised in adjusting turnbuckle "A".
3. A very slight pressure with the thumb and finger will be sufficient to operate lever "C" when the belt tension is correct.
4. After adjusting the belt tension, test by pressing belt at "X". If the belt tension is correct, a moderate pressure downward with the thumb on the top belt should depress the belt about one inch, as indicated by dotted line.
5. Test the motor belt tension by pressing at "Y". A moderate pressure should depress the belt about one inch, as indicated by dotted line.