

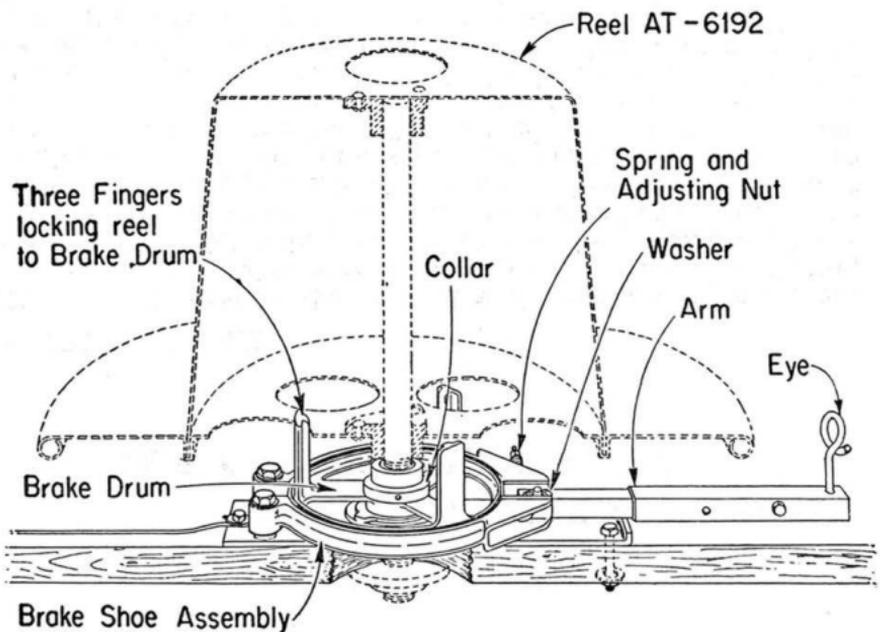
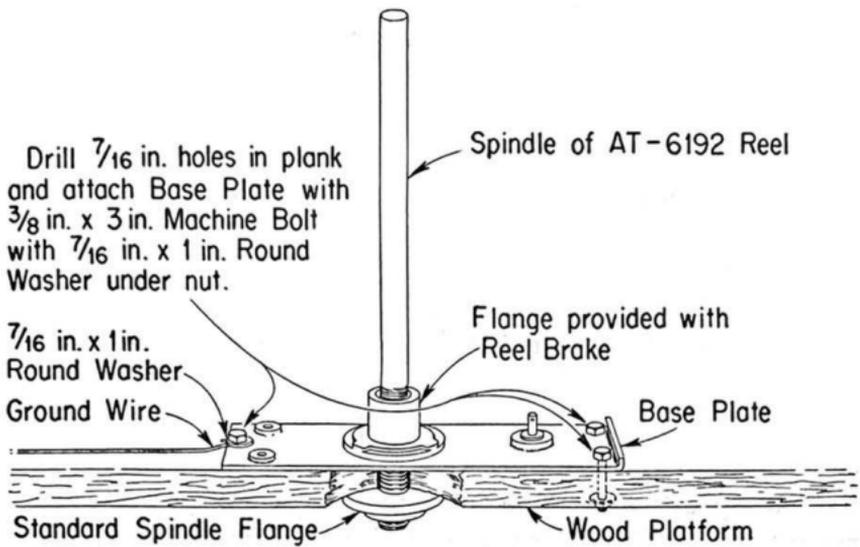
BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G31.111.1
Issue 1, October, 1954
AT&T Co Standard

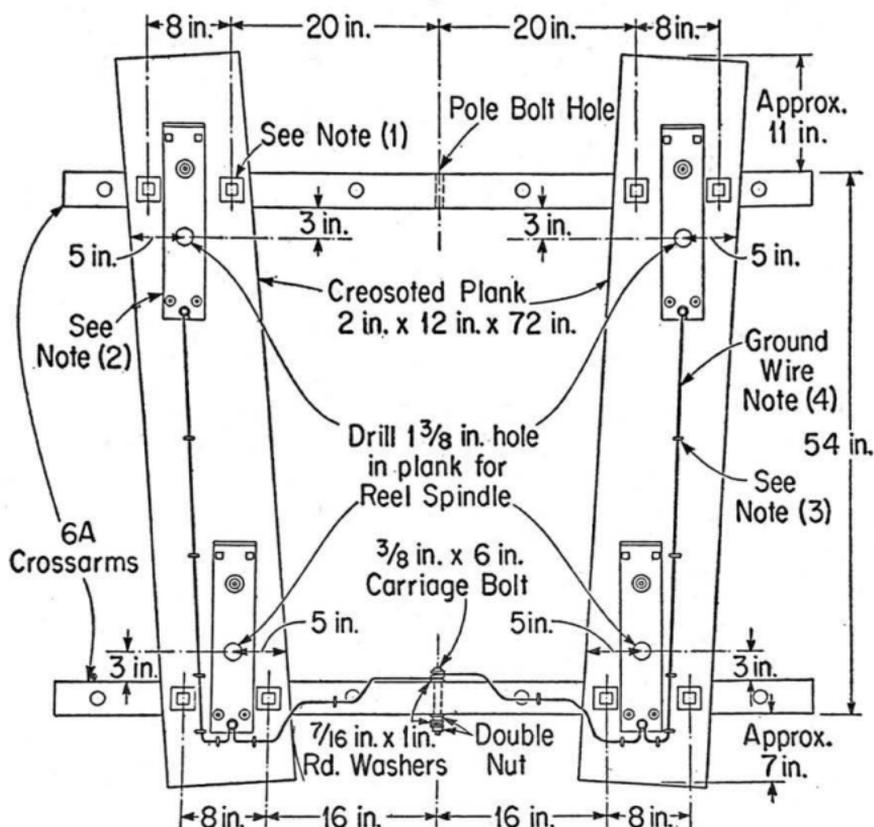
OPEN WIRE
STRINGING WIRE
USE OF WIRE REEL BRAKE

1. B REEL BRAKE

1.01 The B Reel Brake is used with standard wire payout reels to provide automatic braking during wire placing operations. The following sketch shows the assembly of the brake on the payout reel spindle and the method of mounting the two units for wire placing. Set the brake adjusting screw so that approximately 30 to 40 pounds pull on the wire is required to start the payout reel turning. This pull can be measured by using a spring balance. When making this adjustment, the wire should not be placed through the eye of the brake lever arm. After the brake shoe adjustment has been made the line wire should be inserted through the eye of the lever arm which controls the braking action during wire placing. Wire shall be pulled in at a speed not exceeding approximately 5 miles per hour. The inner end of the coil of line wire should not be attached to the payout reel.



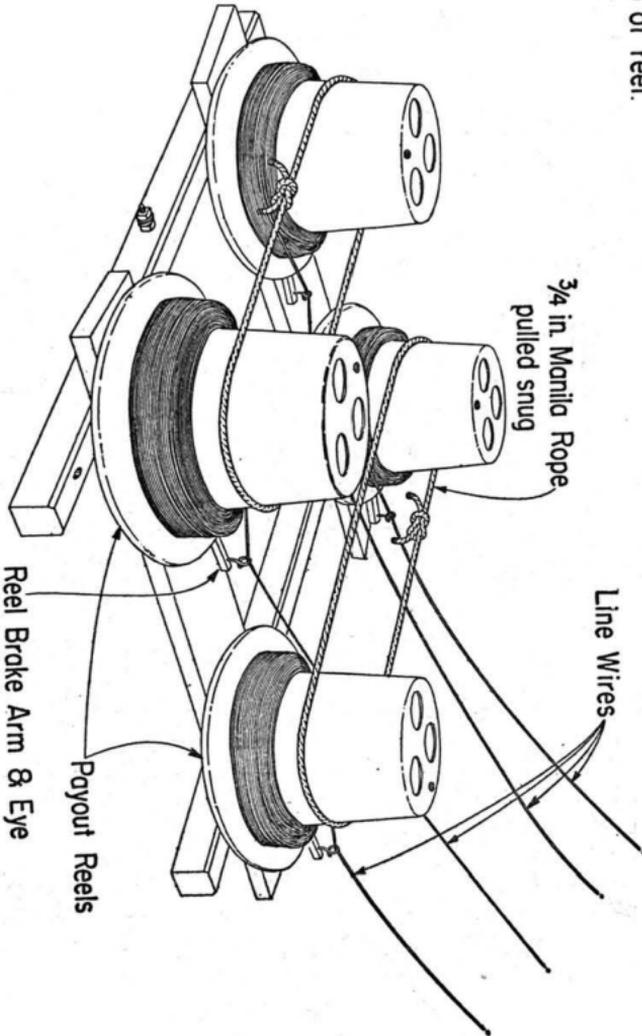
1.02 The following sketch covers the construction of a platform on which four B Reel Brakes and wire payout reels may be mounted. This platform is suitable for use either placed on the ground or mounted on a P3T or P8T Pole Trailer.



- Note: (1) Drill $\frac{1}{16}$ in. holes in creosoted plank, 2 in. from edge in crossarms as required. Attach plank to crossarms with 8 inch Crossarm Bolts. Place $\frac{3}{4}$ in. x $2\frac{1}{4}$ in. Square Washers under the head and nut of each bolt. Place a B Wood Bushing when crossarm bolt passes through a pin hole.
- (2) Attach Base Plates and assemble the B Reel Brake as shown in the mounting detail.
- (3) Attach Ground Wire with $1\frac{1}{4}$ in. B Staples - 12 in. apart.
- (4) Place 104 or 165 Copper Wire to provide for grounding of Payout Reels to effective ground.

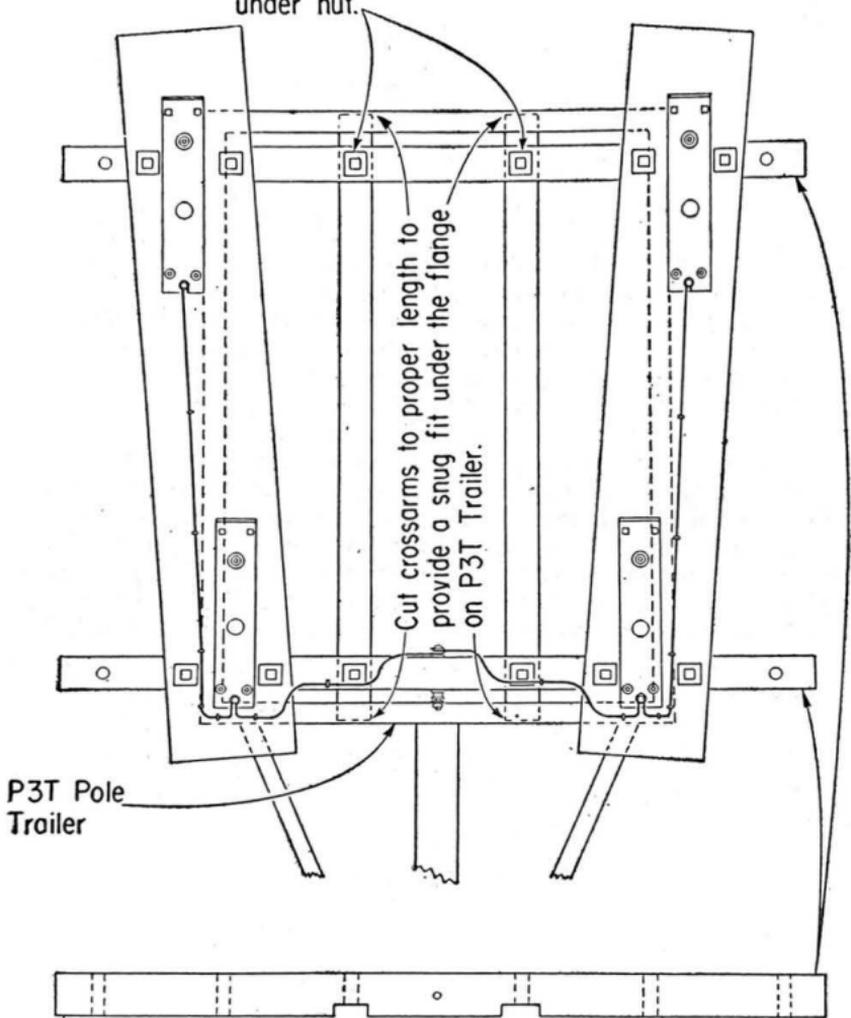
1.03 The following sketch shows the complete assembly of B Reel Brakes and payout reels mounted on the platform for wire placing operations.

Place ropes as shown to keep any loose wraps of wire from flipping over top of reel.



- 1.04 The platform may be mounted on the pole trailers as shown in the following sketch.

10 in. Crossarm Bolts with
 $\frac{3}{4}$ in. x $2\frac{1}{4}$ in. Sq. Washers
under head of bolt and
under nut.



Cut crossarms to proper length to
provide a snug fit under the flange
on P3T Trailer.

P3T Pole
Trailer

Place gain in crossarms $3\frac{1}{2}$ inches wide and $1\frac{1}{4}$ inch deep
for mounting on Pole Trailers