

CABLE REEL JACKS

DESCRIPTION AND USE

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1. GENERAL

1.01 This section describes the B Cable Reel Jacks and Small Cable Reel Jacks which are used in pairs to support cable reels during installation and removal of aerial, block, building, and underground cable.

1.02 The B Cable Reel Jack (Fig. 1) differs from the earlier model in that provisions for strand reel hangers are no longer provided. This change does not affect the use of the earlier jack when used to support cable reels.

2. DESCRIPTION

B CABLE REEL JACK

2.01 The B Cable Reel Jack consists of a steel A-frame, a tee, a screw assembly, and a three-hole adjusting nut with a detachable 36-inch lever bar.

2.02 The tee of the jack accepts a standard cable reel spindle 2-1/2 inches in diameter and has a 3/8-inch vertical locking pin hole in the center.

2.03 The spindle is 63 inches long with a 3/8-inch diameter locking pin hole 4 inches from each end. The spindle is not supplied with the jack and must be ordered separately.

**Reprinted to comply with modified final judgment

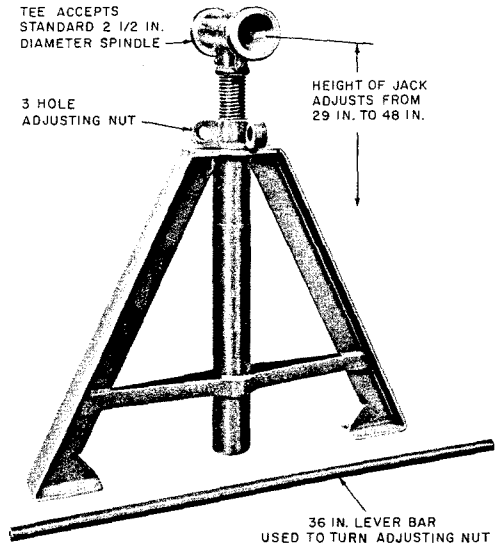


Fig. 1 — B Cable Reel Jack

2.04 The height of the jack, from the base to the center of the spindle, ranges from a minimum of 29 inches to 48 inches when fully extended.

SMALL CABLE REEL JACK

2.05 The Small Cable Reel Jack is used primarily for block and building cable and for strand reels. These jacks are smaller than B Cable Reel Jacks and consist of a steel frame, a tee for accepting the spindle, and a screw assembly.

2.06 Due to light construction, the Small Cable Reel Jacks may vibrate during pulling operations. Holes are provided in the base for securing the jacks to planks or lags if required.

2.07 When using these jacks, do not position the tee near the end of the spindle because no locking pin holes are provided in the jack.

3. PRECAUTIONS

3.01 Before beginning cable placing or removing operations, refer to the precautions in the 620, 627, and 628 Divisions of the Plant Series Practices.

3.02 It is essential that the reel be in proper alignment and level before the start of placing or removing operations.

3.03 On soft or uneven ground, the jacks should be placed on heavy planks or lags to prevent sinking or tipping. A reel of cable may weigh as much as several tons; therefore, its movement must be controlled at all times. Careful watch must be maintained throughout operations to ensure that the reel is level and that the jacks have not sunk into soft earth.

3.04 Cable reel jacks should not be used in cable or strand placing operations that require braking of the reel. These operations should be performed with the reel mounted on a trailer that is equipped with a brake.

4. USE

4.01 Locate the cable reel as directed in cable placing and removing practices in the 627 and 628 Divisions of the Plant Series Practices.

4.02 The jacks are positioned as follows:

- (a) Insert the cable reel spindle through the center holes in the reel.
- (b) Turn the adjusting nut at the top of the A-frame to align the tee with the end of the spindle.
- (c) Slide the end of the spindle into the tee until it is flush with the outside edge of the tee.
- (d) Rotate the spindle until the 3/8-inch holes in the spindle and tee are in alignment and insert a bolt or large nail to act as a locking pin.
- (e) Repeat the above procedures on the opposite side of the reel.
- (f) At this point, check to make sure that the reel is centered between the jacks and that the feet of both jacks are parallel with the sides of the reel.
- (g) Using the lever bar in the holes of the adjusting nuts, raise each jack alternately, keeping the reel level, until sufficient clearance is obtained between the reel and the ground to allow the reel to rotate freely.

4.03 The use of B Cable Reel Jacks at a typical manhole operation is shown in Fig. 2.

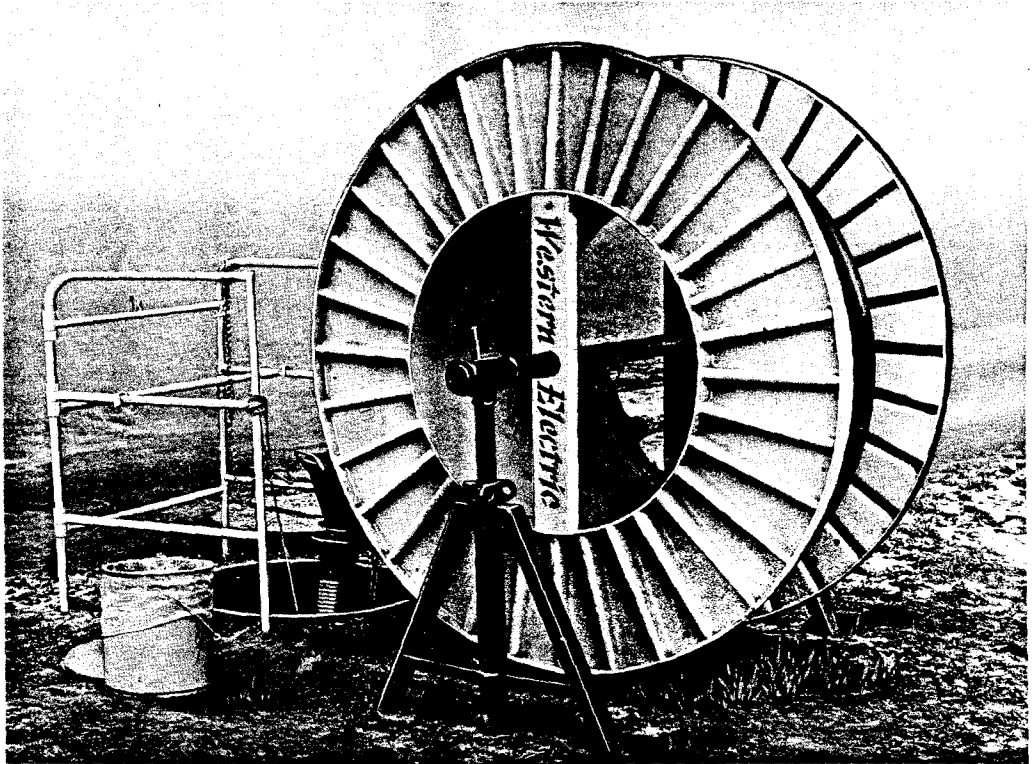


Fig. 2 — B Cable Reel Jacks at a Typical Manhole Operation

5. MAINTENANCE AND STORAGE

5.01 Lubricate the threads of the screw assembly periodically with ordinary engine oil.

5.02 Jacks should be stored flat to minimize the possibility of tipping, and with the screw assembly fully retracted to protect the threads.