

B LINE WIRE REEL

DESCRIPTION AND MAINTENANCE

1. GENERAL

1.01 This section covers the description and maintenance of the B Line Wire Reel. This device is used to pay out and to coil line wire.

1.02 This section is reissued to update the text. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

1.03 Instructions covering the placing and removal of line wire are contained in the 623 Division of the Plant Series Practices.

2. DESCRIPTION

2.01 The B Line Wire Reel (Fig. 1) weighs approximately 70 pounds and consists of the following components:

- (a) Tubular steel base
- (b) Spindle
- (c) Removable upper wheel and fixed lower wheel
- (d) Brake and brake lever with eye
- (e) Crank handle
- (f) Ground lug.

2.02 The reel has capacity for a 225-pound line wire coil with a 19-inch eye.

2.03 The upper and lower wheels rotate on a spindle mounted on the base. The upper wheel is removed to load and unload the wire coil. The wheels are interlocked by a latch which closes automatically when the upper wheel is placed. To remove the upper wheel, the latch must be opened manually.

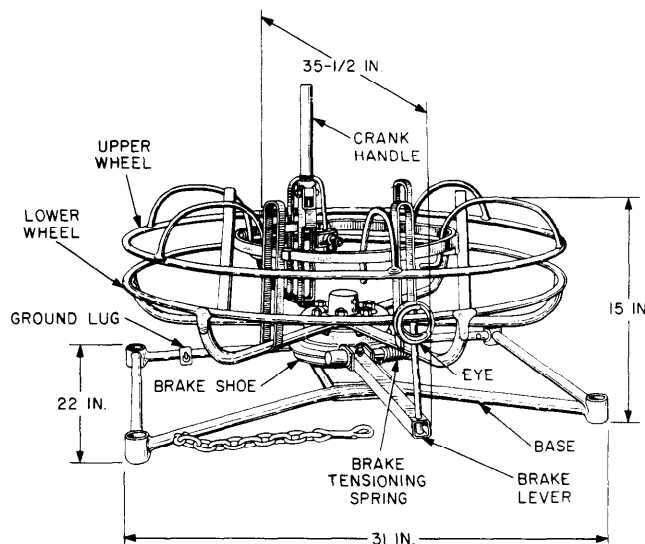


Fig. 1—B Line Wire Reel

2.04 The brake on the lower wheel hub consists of a drum, two brake shoes, brake lever, tensioning spring, adjustment nut, and locknut.

2.05 The brake action is automatically controlled by variations in the tension of the wire as it is pulled through the eye on the brake lever. Maximum braking is applied when there is no tension on the wire.

2.06 The brake tension is adjusted by tightening or loosening the nut and locknut on the brake tensioning spring. The spring should be adjusted so that a pull on the wire of approximately 30 to 40 pounds is required to start the reel turning. The pulling effort can be measured by using a spring scale. When adjusting the brake, the line wire should not be placed through the eye of the brake lever arm (brake shoes to be in holding position).

2.07 The crank handle is attached to the lower wheel and may be locked in either a vertical

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or horizontal position. The handle is used to manually turn the reel for coiling line wire.

2.08 When using the reel for coiling line wire, the brake lever should be secured to one side with the snap hook and chain. This will keep the brake released while the reel is being cranked.

2.09 Each corner of the frame has a 1/2-inch eye for use in securing the frame to the supporting surface with bolts, screws, or pegs.

2.10 *When the reel is used for operations involving joint-use lines or power crossings, it must be grounded between the ground lug on the frame and an approved ground using the B Grounding Cord, B Ground Wire, or other suitable means.*

3. MAINTENANCE

3.01 Lubricate the bearing surfaces of the reel monthly with SAE 20 to SAE 40 oil. Exercise care not to spill oil on the brake drum or shoes.