

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G92.100.1
Issue 1, October, 1954
AT&T Co Standard

B SHEAVE GUARD

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1. GENERAL

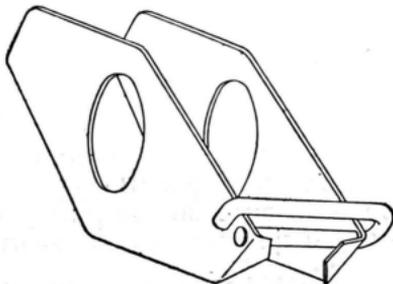
1.01 This section replaces Section J6.261.

1.02 The B Sheave Guard has a loop which encircles the winch line as it passes over the standard B sheave and spindle bar on construction trucks. The guard serves to block the hand or clothing from being pulled between the sheave and the winch rope if anyone should accidentally come in contact with a moving winch line near the sheave.

1.03 Safety practices require that all personnel avoid grasping, guiding, handling, or otherwise contacting moving and taut winch rope. This guard is provided as an additional safeguard against accidents.

2. DESCRIPTION

2.01 The B Sheave Guard consists of two flat pieces of metal with a loop made of metal rod between them; the winch line is placed in this loop and the holes in the metal sidepieces fit over the spindle bar and allow the guard to move with change in the angle of the winch line.

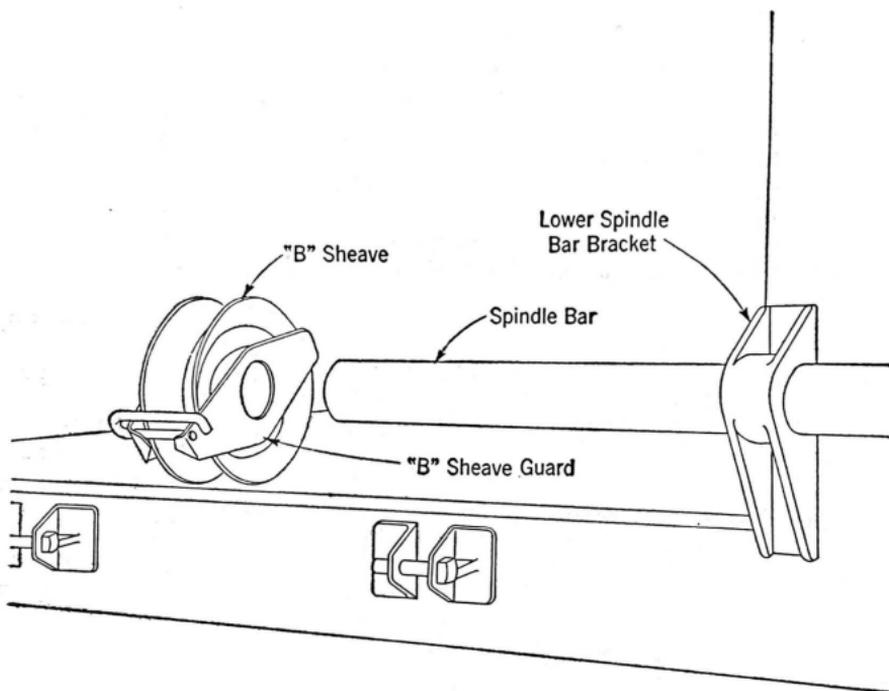


3. SAFETY PRECAUTIONS

- 3.01 When passing a winch line over the B sheave with the spindle bar in the lower position always use one guard with its protective loop on top and toward the rear of the truck.
- 3.02 When a winch line is under load no one should be permitted on the truck platform.
- 3.03 Moving winch lines should be handled only with gloved hands and then with extreme caution at a minimum distance of three feet from the sheave.

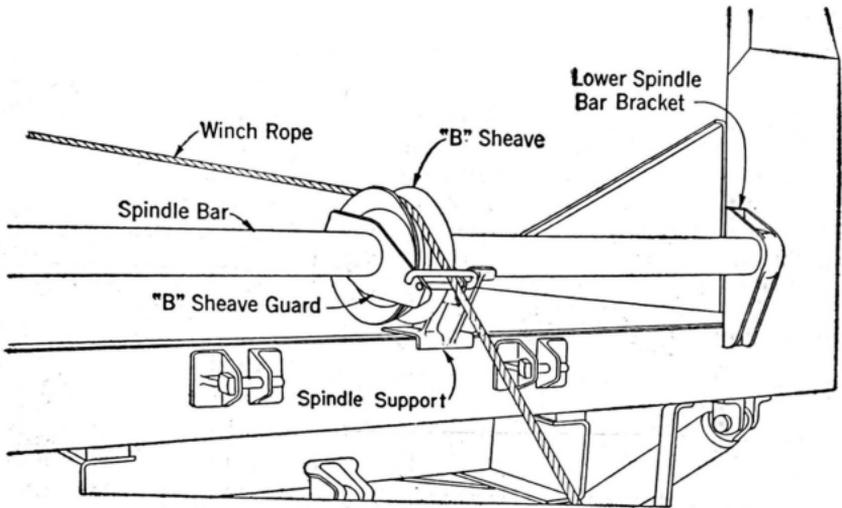
4. INSTALLING SHEAVE GUARDS

4.01 To install one sheave guard insert the B sheave between the side plates of the guard so that the spindle holes in the guard and the sheave are in alignment.



4.02 Slide one end of the spindle bar through one of the spindle bar brackets on the truck and then slide the B sheave guard and the sheave over the end of the spindle bar. Then insert the free end of the spindle bar into the other supporting bracket. Lock the bar in place with the pins provided. Pass the winch rope through the slot in the loop of the guard and into the groove of the sheave.

4.03 If the spindle bar is being used in its lower position on the truck and the load is expected to cause excessive deflection, the standard spindle bar support should be used. Place the support prior to putting the spindle bar in both brackets.

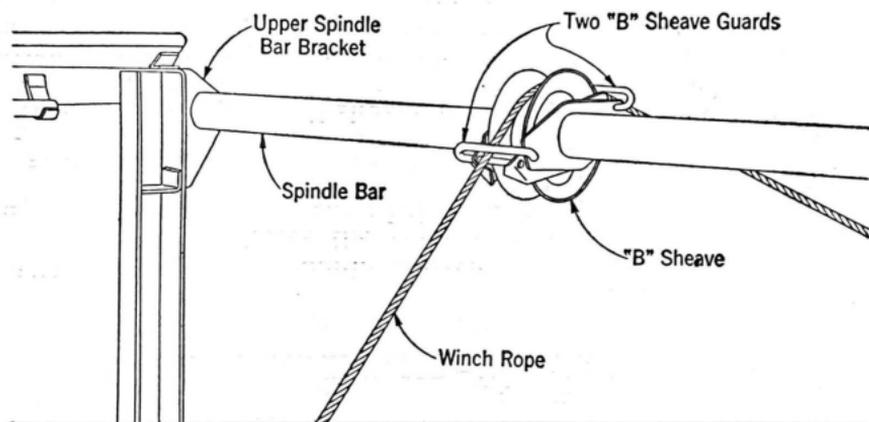


4.04 In placing a single sheave guard the protective loop which encircles the rope should be at the top of the guard and toward the rear of the truck.

5. USING GUARDS

5.01 Whenever the B sheave is employed with the spindle bar in its lower position, use one guard arranged so as to provide protection at the rear when the taut winch rope is moving toward the truck. In most cases this is sufficient since usually when the rope is moving in the opposite direction it is not under tension and there is no need for a guard at the front. However, if the spindle is in the lower position and operations are being performed during which the rope may be under tension while it is passing over the sheave in either direction, use two guards in order to provide protection on both sides of the sheave.

5.02 When the sheave is used on the spindle bar in its upper position, no protection should be necessary since it is beyond the normal reach of anyone standing on the ground in which case only someone standing in the truck might be exposed to danger. If no one were permitted on the truck platform during winch operations the guard would not be needed. However, if protection seems desirable, two guards should be used since on work ordinarily done with the sheave in the upper position, the winch rope may be under tension while it is moving in either direction.



6. STORAGE

6.01 Guards not in use should be carried in the truck where they will not be bent or otherwise damaged.