

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G85.730.1
Issue 1, September, 1951
AT&T Co Standard

B CLEARANCE ROD
DESCRIPTION

1. GENERAL

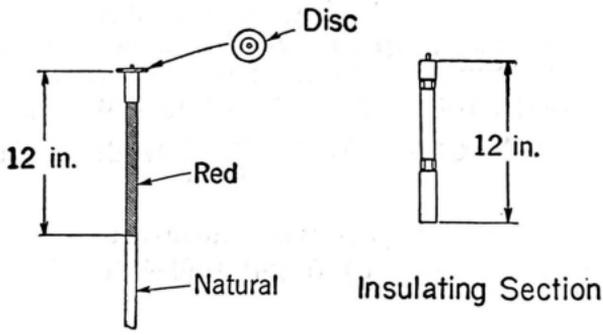
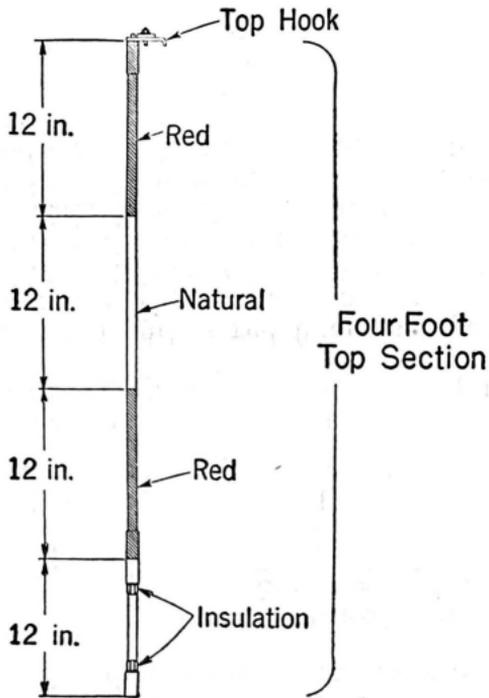
1.01 This section describes the B Clearance Rod which is intended for measuring vertical clearances and separations.

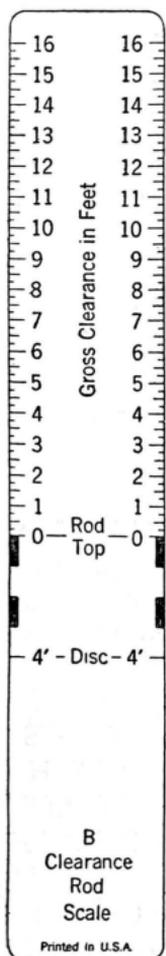
2. DESCRIPTION OF B CLEARANCE ROD

2.01 The B Clearance Rod consists of several 4-foot sections, all fitted with threaded ferrules so that the desired length of rod may be assembled. All of the 4-foot sections are of wood except the top section, which contains, at its lower end, a length of insulating material. A 1-foot insulating section is also provided. The dimensions of the various sections are as follows:

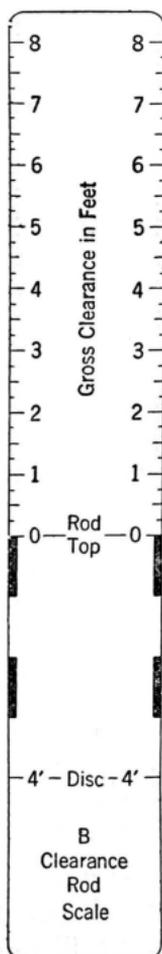
	<u>Number of Sections</u>	<u>Diameter (Inches)</u>	<u>Length (Feet)</u>
Top Section	1	5/8	4
Handle Section	1	3/4	4
Handle Section	1	1	4
Insulating Section	1	1	1
Handle Section (optional)	4	1-1/8	4

2.02 A hook fitted with a red fluorescent disc, mounted on the upper end of the top section, is used for suspending the assembled rod from telephone wires or cables. A red sighting disc is mounted between the top and the second section and a clearance scale is provided for making the measurement. A canvas carrying roll has compartments for seven 4-foot sections, for the 1-foot insulating section, and for the disc, hook and scale.





Face



Reverse Side

2.03 The lower end of the 1-foot insulating section will fit the upper end of a small tree pruner handle extension section. One or two tree pruner handle sections may be used, thus doing away with the need for carrying the four 1-1/8-inch handle sections in those instances where workmen are provided with tree pruner handles. The four 1-1/8-inch handle sections are intended for use when the B Clearance Rod is to be carried in passenger automobiles.

2.04 In order to ensure that the various rod sections may be properly assembled, the coupling threads are of different sizes. The thread at the upper end of the top section is of 5/16-inch size, the intermediate coupling threads for joining the upper three sections are of 3/8-inch size, as is the upper thread of the 1-foot insulating section. A 1/2-inch thread is provided at the lower end of this 1-foot section, as well as on the four 1-1/8-inch handle sections. This arrangement prevents mounting the hook on any but the top section and likewise prevents extending the clearance rod with the 1-1/8-inch handle sections or with tree pruner panels without inserting the 1-foot insulating section.

3. REPLACEMENT PARTS

3.01 The following parts may be obtained to replace defective or lost parts of the B Clearance Rod:

Top Section	Disc
3/4-Inch Handle Section	Hook
1-Inch Handle Section	Scale
1-1/8-Inch Handle Section	Carrying Roll
Insulating Section	