BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.735.4
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AT&TCo Standard

BURIED CABLE SPLICING 38-Y-B AND C CABLE CLOSURES SPLICING AND LOADING

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1. GENERAL

1.01 This section outlines the method of splicing and loading in the 38-Y-B and C Cable Closures.

1.02 All conductor joints shall be made and insulated in the conventional manner as outlined in other sections of the Bell System Practices.

2. SPLICING

2.01 Set up the cable for loop splicing, either vertically or horizontally, as desired. A ground rod, or other rigid member, will be found helpful in making a neat splice and in keeping the wires taut during the conductor joining operations.

2.02 On splices in PIC cable the conductor joints should be made at the bottom of the splice row and the completed joints bent upward.

2.03 On completion of each splice row the bundle shall be tied to the main cable.

2.04 Fig. 1 and Fig. 2 illustrate completed splices made vertically and horizontally and the suggested set-ups for making them.

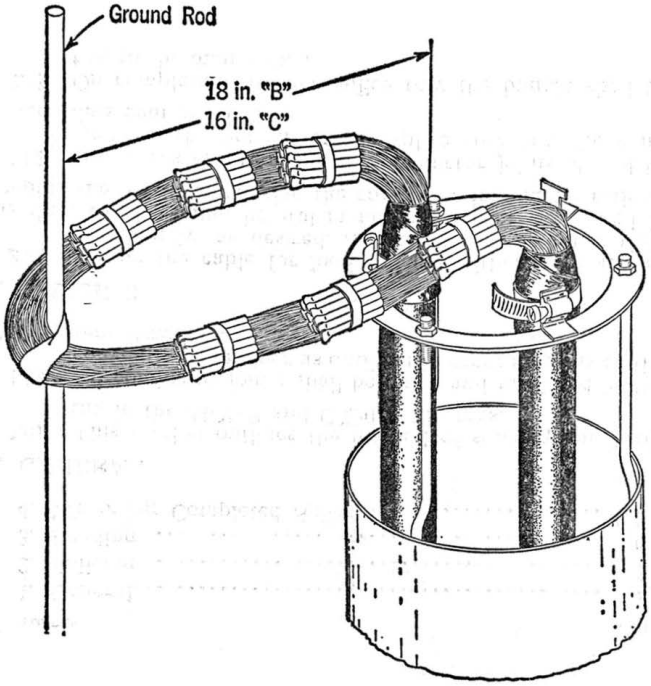

Fig. 1

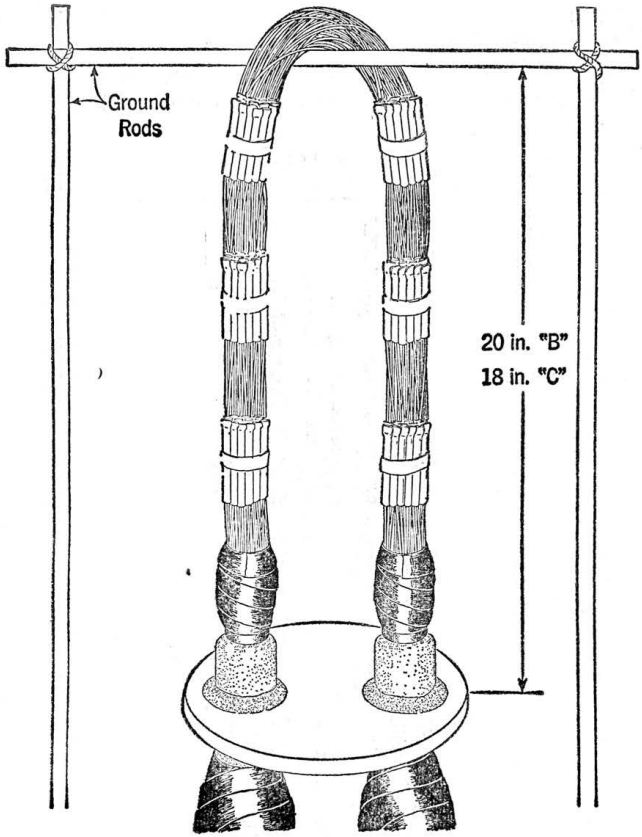

Fig. 2

2.05 A completed splice including three cables is illustrated in Fig. 3. As shown, the units have been split to provide a balanced splice with about the same number of sleeves on each side.

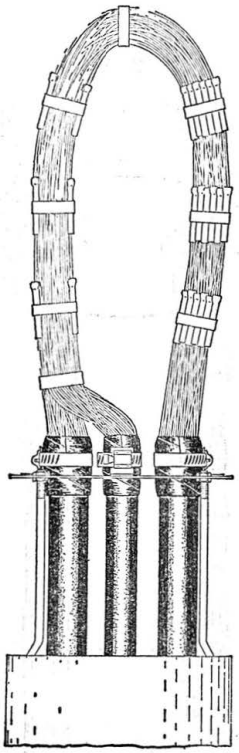

Fig. 3

2.06 Wrap the completed splice in the usual manner. On non-gastight closures in PIC cable one half-lapped layer of B Polyethylene Tape should be used. On gastight closures in PIC cables the metal shield should follow the loop of the cable and be made continuous across the opening, as shown in Fig. 4.

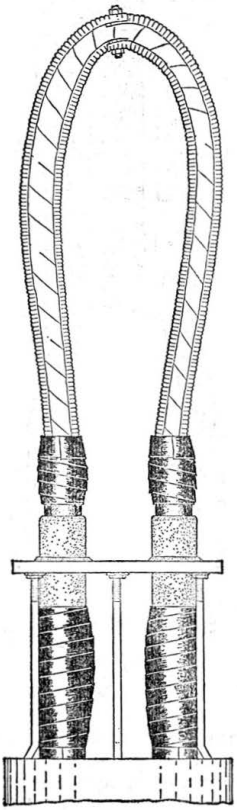

Fig. 4

2.07 On lead sleeve closure install the sleeve as outlined in Section G50.735.3.

3. LOADING

3.01 The load coil case should be buried parallel to the trench for the main cable. In rural areas or whenever the closures are offset several feet from the main cable path bury the case parallel to the trench provided to the closure. The base plate will be approximately 14 inches above ground. Allow sufficient stub length at each location for at least 4 feet of conductor ends above the base plate. Arrange splice as shown in Fig. 5.

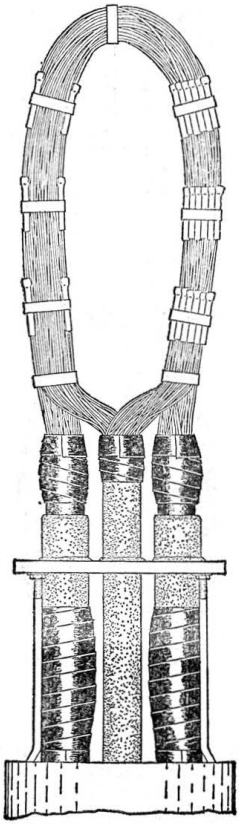

Fig. 5

3.02 When loading with the 171 type L.C.C., set up for splicing as shown in Fig. 6. When splicing is completed, secure the case to the main cable with paper tape or cotton sleeving as illustrated in Fig. 7.

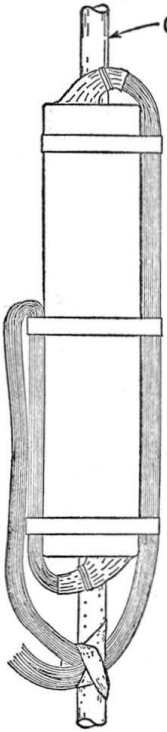

Fig. 6

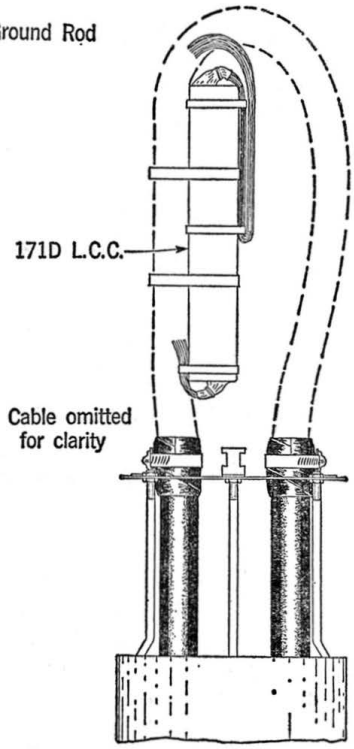

Fig. 7

4. WRAPPING COMPLETED SPLICE

4.01 Wrap the completed splice in the usual manner.