



**CABLE SPLICING—UNDERGROUND**  
**SETTING UP LEAD SHEATH CABLE**  
**CABLE BENDER**

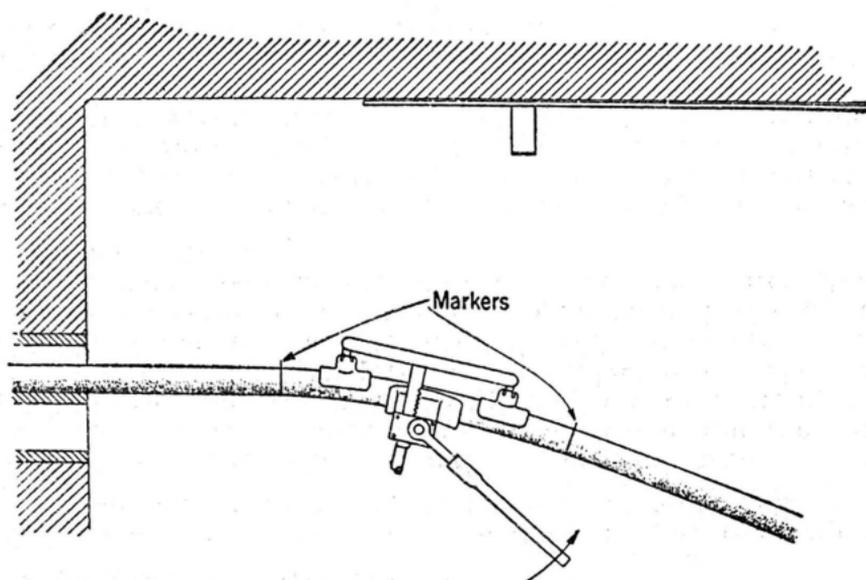
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**1. GENERAL**

- 1.01 This section describes the use of the Cable Bender for setting up lead sheath cable in manholes or cable vaults. The tool can also be used in setting up stubs of loading coil cases following the procedure outlined for bending cables.
- 1.02 The bender is a hand operated tool particularly designed to facilitate the racking of cables 2 inches to 2-5/8 inches in diameter.

**2. BENDING PROCEDURE**

- 2.01 The end of the cable should be held by the helper or supported by a rope fastened to a cable rack.
- 2.02 The center shoe should be removed from the rack guides, the frame placed on the cable and the center shoe replaced and brought to bear lightly on the cable by turning the pinion with the wrench. In replacing the shoe, care should be taken to see that the rack and pinion are in alignment. Do not apply undue pressure to the wrench if the pinion does not turn easily, as this indicates that the center shoe is not properly aligned.
- 2.03 Move the bender to the position shown in the sketch on page 2. Deflect the cable about 1/8 inch and return the wrench to its starting position, then move the tool about 1/4 inch along the cable toward the center of the manhole and deflect the cable at that point. These operations should be repeated progressively until the desired bend is made. The radius of the bend should be as large as practicable.



2.04 Move the cable bender to the position indicated in the sketch below. Then bend the cable as described in Paragraph 2.03. When the bends are completed and in proper relation with the duct and first rack, straighten the free end of the cable along the board.

