

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G59.120.1
Issue 1, October, 1954
AT&T Co Standard

COILS AND CASES
PLACING UNDERGROUND CASES

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1. GENERAL

1.01 This section replaces Section G55.120. It covers methods of placing welded steel apparatus and loading coil cases in manholes.

1.02 The plan or other instruction will generally indicate whether the case should be (1) placed on the floor of the manhole in a vertical position, (2) laid on its side, (3) attached to the wall or (4) buried in the floor of the manhole.

1.03 Information relative to the weights and dimensions of underground cases is given in another section of the Practices.

2. HANDLING CASES

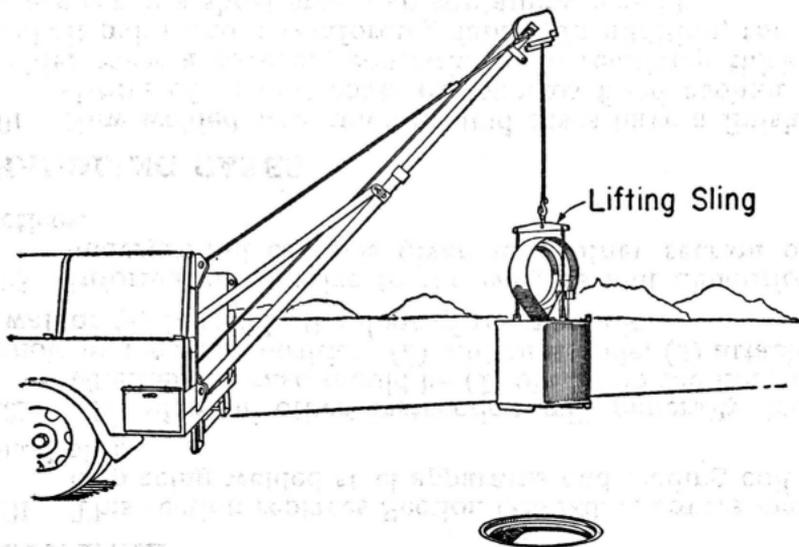
2.01 New welded steel underground cases have a finish consisting of several coats of asbestos filled asphalt paint and older cases a covering consisting of a relatively thick coat of asphalt paint and a reinforcing fabric. In addition, the older cases are set in a sheet steel pan containing asphalt.

2.02 The purpose of the finish is to minimize corrosion and cases, therefore, should be handled carefully to avoid damaging the finish.

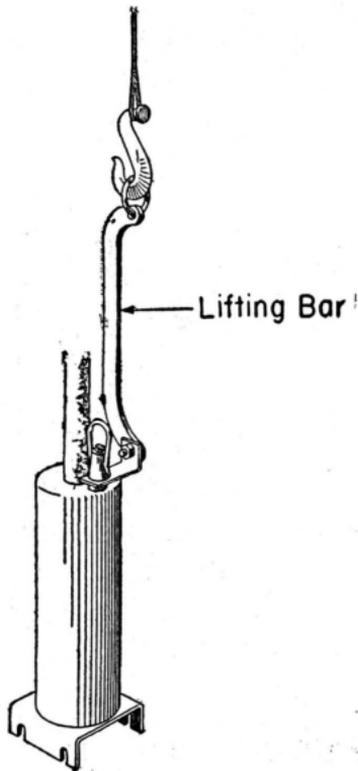
2.03 Cases that are equipped with a steel stub support should be lowered into the manhole with the stub support in place.

3. LOWERING CASES

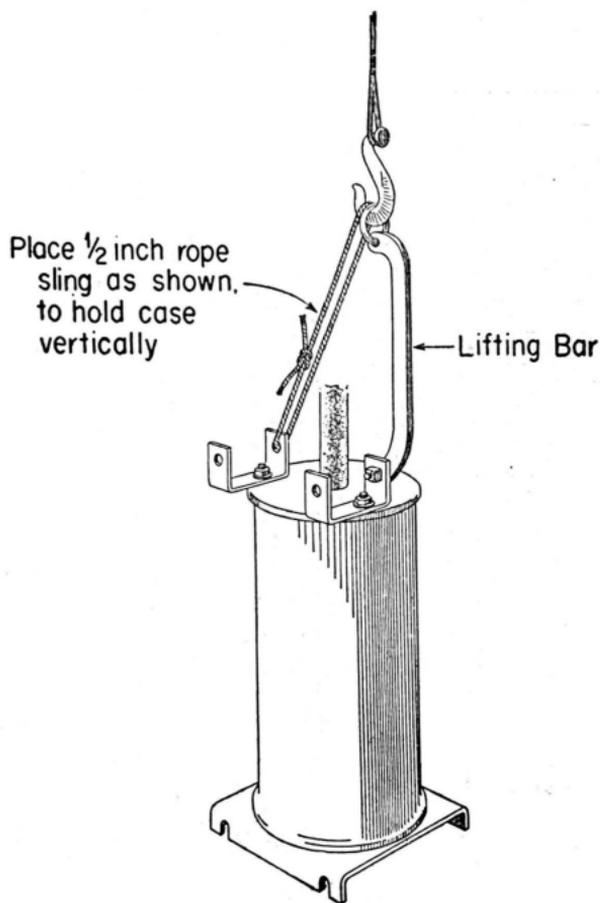
3.01 Large cases should be lowered into the manhole using the Loading Coil Case Sling. The method of lowering the case with the sling is shown in the following sketch.



3.02 Small cases equipped with one bracket should be lowered with the Loading Coil Case Lifting Bar, as shown in the illustration.



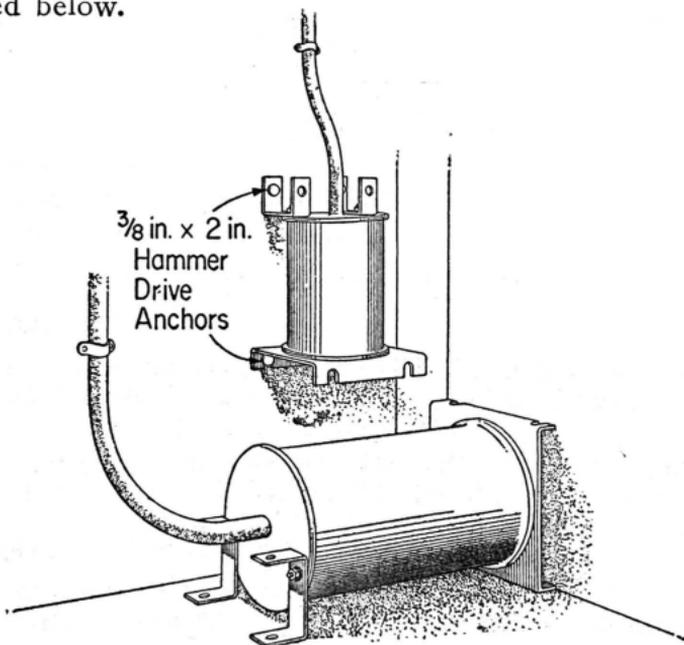
3.03 Other small cases can also be lowered using the lifting bar. A rope should be placed between the lifting hook and the bracket, as shown in the sketch, to hold the case in a vertical position.



4. LOCATION OF CASE IN MANHOLE

4.01 Cases generally are placed in a vertical position with the base resting on the floor of the manhole. Where required, cases with small bases should be secured to the wall of the manhole by means of a $\frac{3}{8}$ in. x 2 in. hammer drive anchor. Brackets are provided at the top of the case for the purpose.

4.02 The design of the current standard cases permits attaching them to the wall of a manhole using $\frac{3}{8}$ in. x 2 in. hammer drive anchors. A case attached to the wall of a manhole is illustrated below.



4.03 The cases can also be placed on their sides. A case installed on its side in a manhole is shown in the above sketch.

4.04 Cases can also be buried in the floor of the manhole where there is insufficient space in the manhole. The case should generally be so buried that the top of the case is slightly above the floor level.

5. INSPECTION

5.01 Before a welded steel case is placed in its permanent position, inspect the finish to determine whether it has been injured in handling the case. If so, the finish should be repaired as covered in the section on the repair of loading coil cases.

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