

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G59.411.1**  
**Issue 1, August, 1954**  
**AT&T Co Standard**

**COILS AND CASES**  
**REPAIR OF CAST IRON CASES**

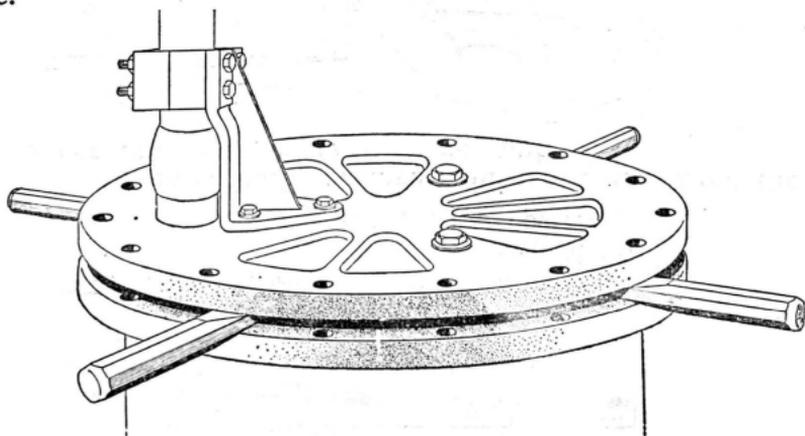
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**1. GENERAL**

1.01 This section covers the repair of cast iron loading coil cases that have developed a leak between the cover and the flange of the case.

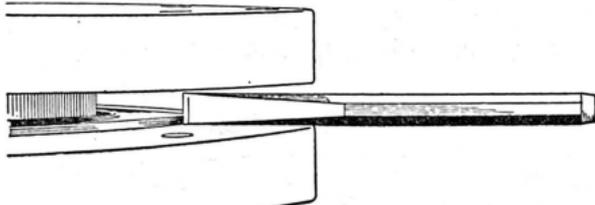
**2. METHOD OF REPAIR**

2.01 Remove the cover bolts around the flange as well as the bolts which hold the case in place on the fixture or pole bracket. Then carefully raise the cover about 1/2 inch by driving cold chisels progressively between the cover and the flange.



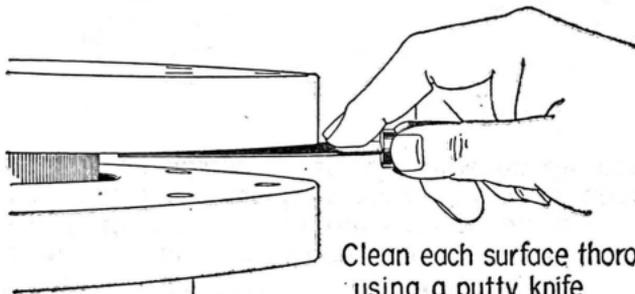
Remove the cover bolts and then drive cold chisels between the cover and the body of the case raising the cover about 1/2 inch

- 2.02 Cut the copper gasket with a cold chisel, as shown below, at two points about 180° apart. Then remove the gasket.



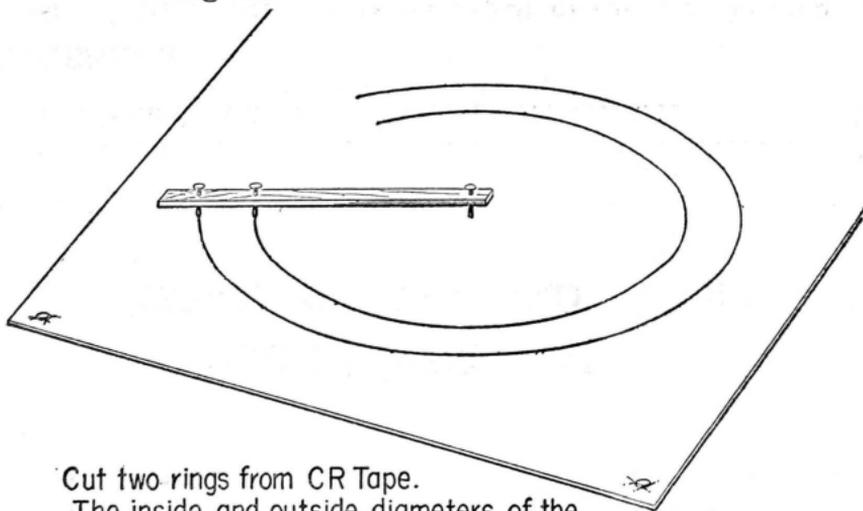
Cut the copper gasket with a cold chisel, as shown, at two points about 180° apart.

- 2.03 Using a putty knife, remove paint, rust, etc., from the upper and lower surfaces of the joint.



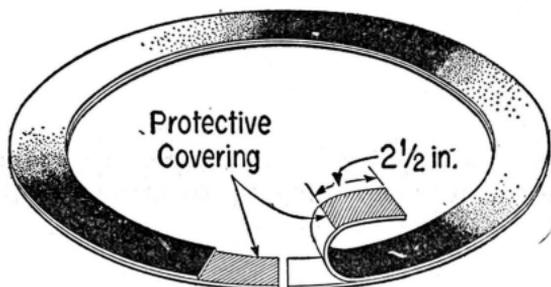
Clean each surface thoroughly using a putty knife

- 2.04 Cut two gasket rings from CR Tape, as shown in the following sketch.



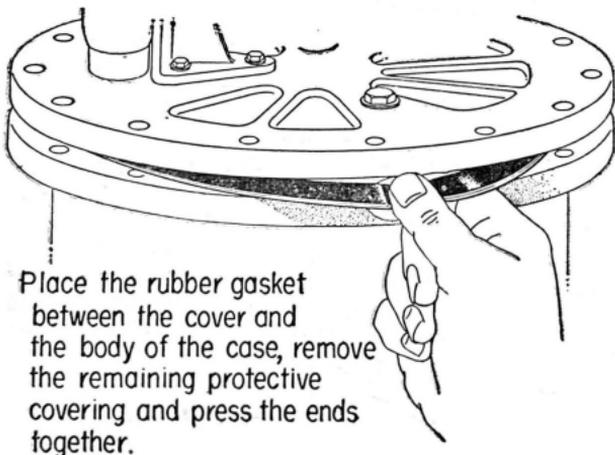
Cut two rings from CR Tape.  
The inside and outside diameters of the rings should be the same as those of the copper gasket.

2.05 Make one radial cut in each ring. Then join the two rings together, as shown below so that the two cuts are about 2-1/2 inches apart.



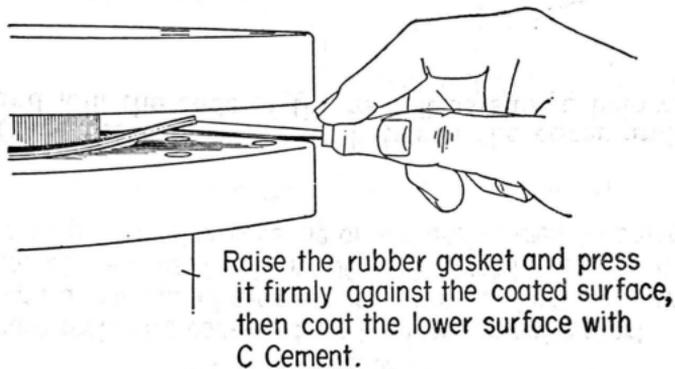
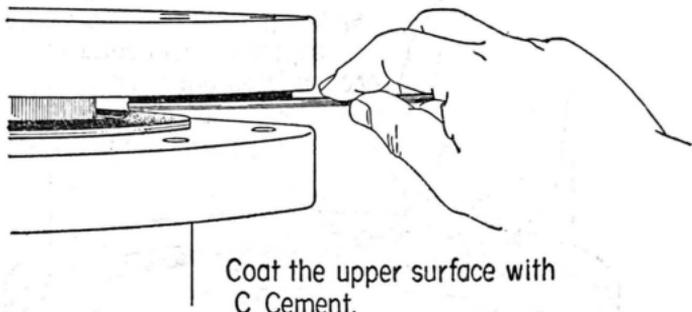
Remove protective covering from the tape, except a short length at one end of each ring, as shown, and press the white sides of the tapes together. DO NOT stretch the tapes in removing protective covering or in pressing them together.

2.06 Place the rubber gasket between the cover and flange and join the ends of the gasket as shown below.



Place the rubber gasket between the cover and the body of the case, remove the remaining protective covering and press the ends together.

2.07 Coat the upper surface (cover) of the joint with C Cement using a short bristle tooth brush, or equivalent, and let the cement become tacky. Raise the gasket, pressing it against the cemented surface and then coat the lower flange surface with cement.



2.08 Bolt the cover to the flange using new cover bolts. Then restore the bolts which hold the case to the fixture or bracket.