

MULTIPLE LINE WIRE INSTALLATION OF COIL CASE

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2.03 The 177A Coil Case consists of a sheet metal housing equipped with two 6-pair connecting blocks as shown in Fig. 1.

1. GENERAL

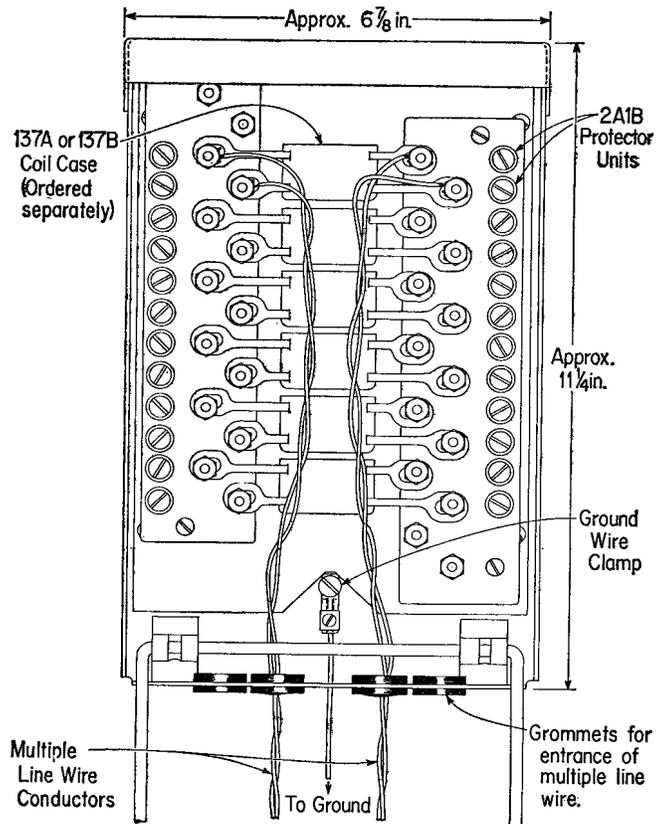
1.01 This section covers a description of the 177A Coil Case and the various types of loading coils or inductors which can be specified for use in the case. It also covers the methods of installation with the various types of multiple line wires. Some of this information was formerly contained in Section G34.101.5 which is canceled.

1.02 Loading coils or inductors should be installed on multiple line wire only when specified on detail plans or by other specific instructions. These plans should indicate the pole locations of the loading coils or inductors as well as the type coil or inductor to be used.

2. DESCRIPTION

2.01 The 177A Coil Case provides mounting arrangements and electrical protection for six 137A or 137B Coil Cases.

2.02 A mounting bracket, permitting either pole or crossarm mounting, is furnished as a part of each 177A Coil Case.



177A COIL CASE
Fig. 1

SECTION 624-220-206

2.04 The 137A Coil Case is described in Section 626-300-150. It can contain one number 632, 638 or 639 loading coil as ordered. The type of coil contained in the case is indicated by the number on the top of the case.

2.05 The 137B Coil Case contains one 1574A Inductor in a polystyrene container filled with an epoxy resin. The terminals of the inductor are equipped with flat punched brass leads which also provide mechanical support. It is cylindrical in shape with the brass leads projecting from the round surfaces.

2.06 The 637A, 637B, or 637C Coil Cases which were replaced by the 137A can be used with this case, if available.

3. INSTALLATION ON POLES

3.01 The 137A or 137B Coil Cases should be mounted in the 177A Coil Case before it is carried up the pole for installation. The coil cases are installed as shown in Fig. 2.

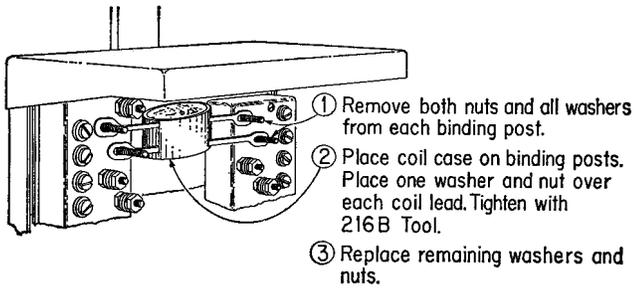


Fig. 2

3.02 Figs. 3, 4, 5 and 6 cover installation on a pole.
(a) Remove housing cover.

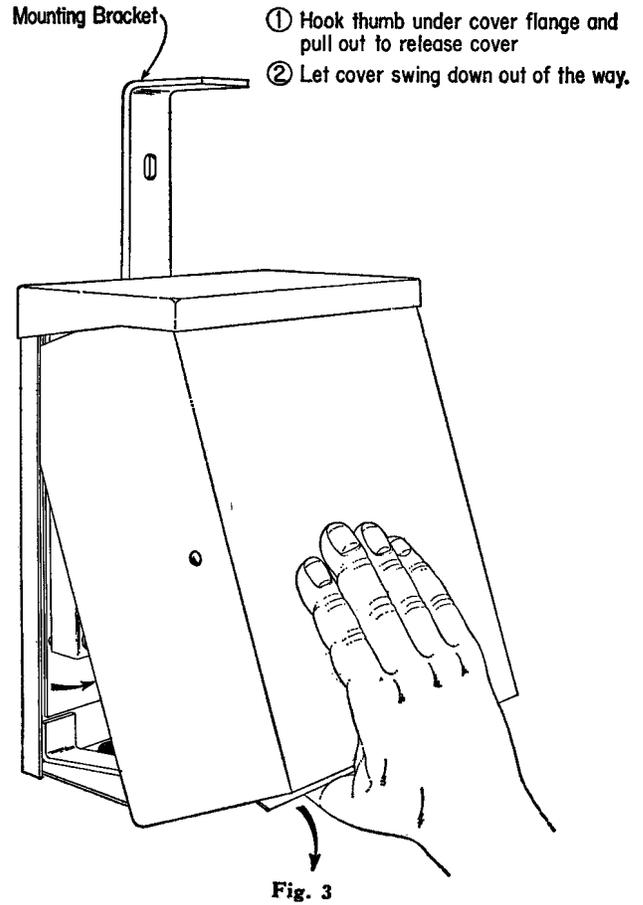


Fig. 3

(b) Remove mounting bracket from case.

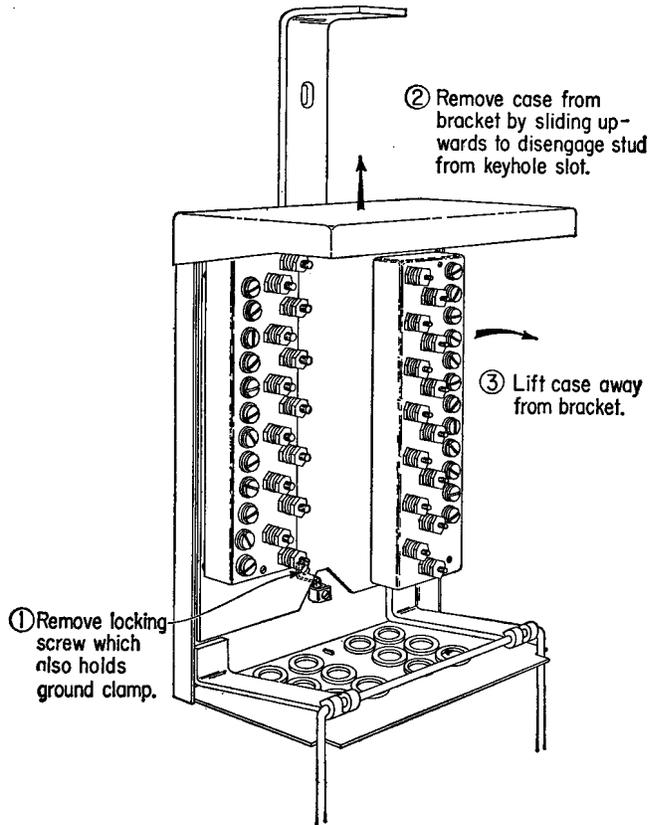


Fig. 4

(c) Mount bracket on pole.

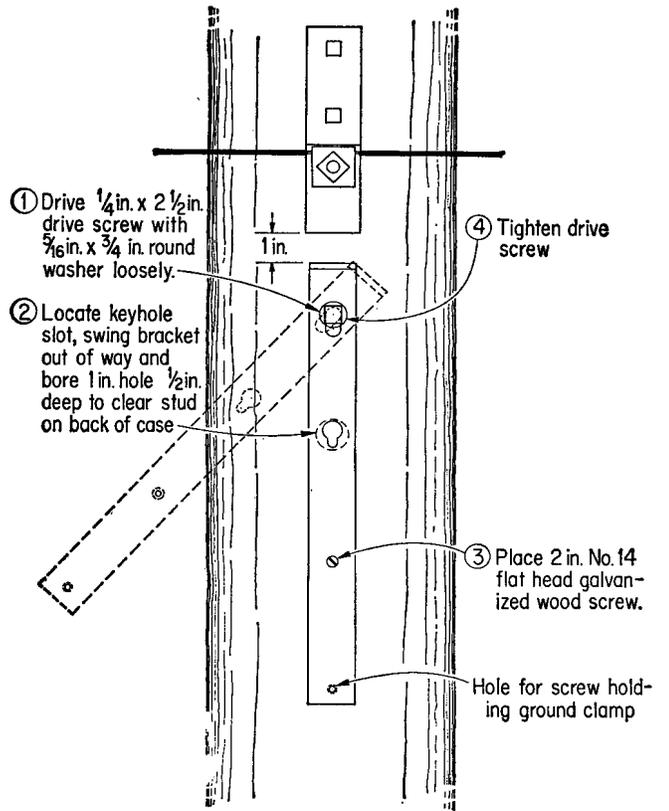


Fig. 5

(d) Place case on bracket and replace locking screw.

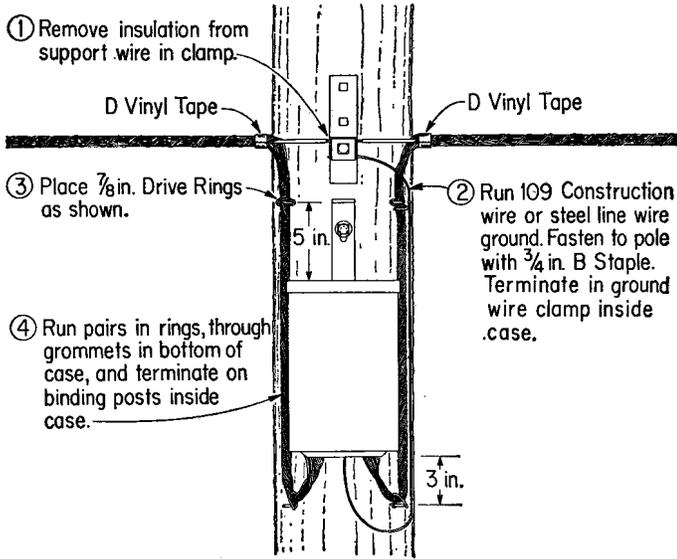


Fig. 6

3.03 A second coil case can be placed below the first using the same method of installation. The completed installation is shown in Fig. 7.

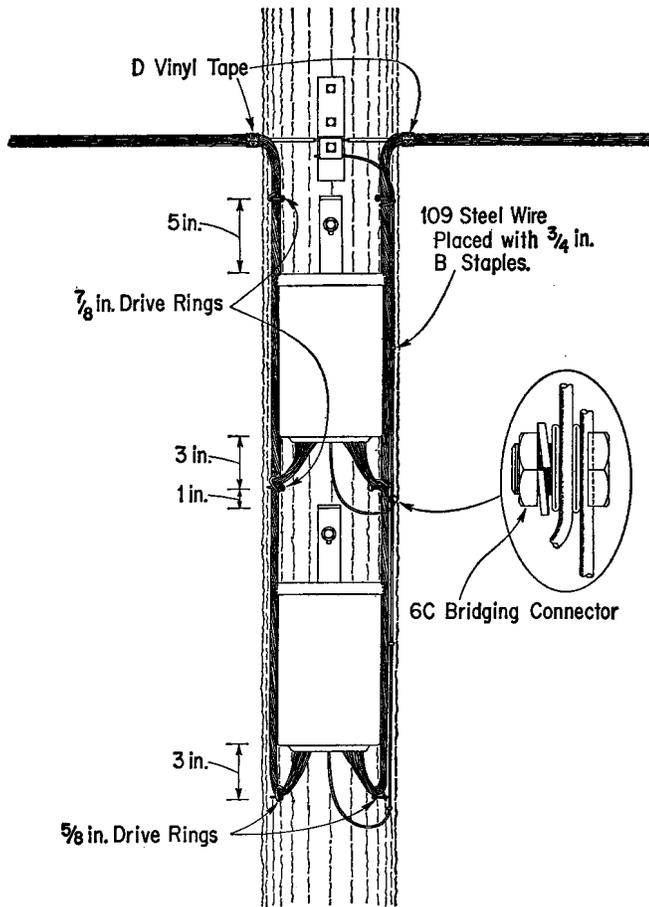


Fig. 7

4. INSTALLATION ON CROSSARMS

4.01 The 137A or 137B Coil Cases should be installed in the 177A Coil Case before it is carried up the pole for installation. See Paragraph 3.01 for method of installation.

4.02 Figs. 8 and 9 cover installation on a crossarm. It is not necessary to remove the mounting bracket from the case when installing on a crossarm.

(a) Mount bracket and case on crossarm.

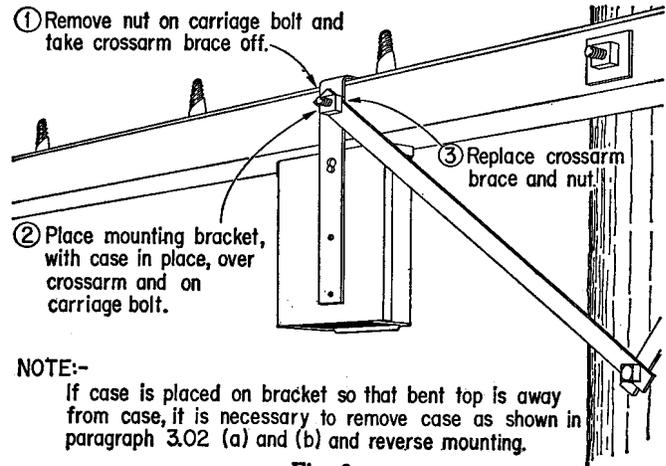


Fig. 8

(b) Open cover to be sure that locking screw is firmly tightened.

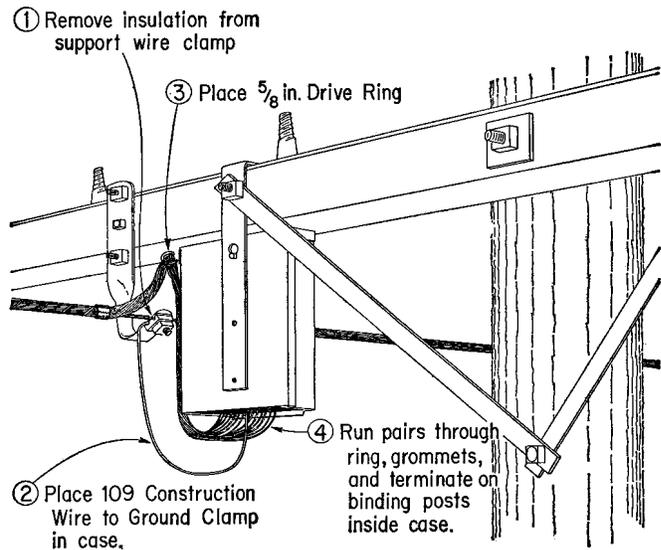
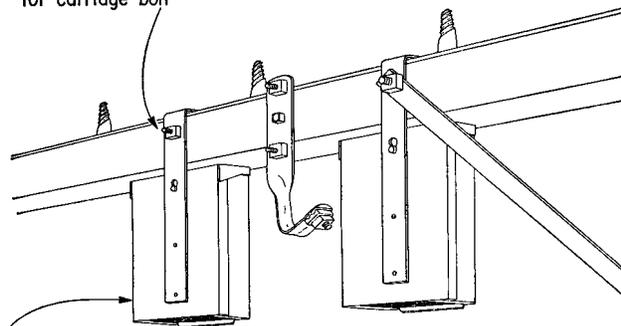


Fig. 9

4.03 A second coil case can be placed on a crossarm on the opposite side of the multiple line wire. See Fig. 10.

- ① Drill $\frac{7}{16}$ inch hole for carriage bolt



- ② Place mounting bracket, with case in place, over crossarm and on carriage bolt. Place nut.

Fig. 10

The general method of installation can be followed as described in Paragraph 4.02. The completed installation is shown in Fig. 11.

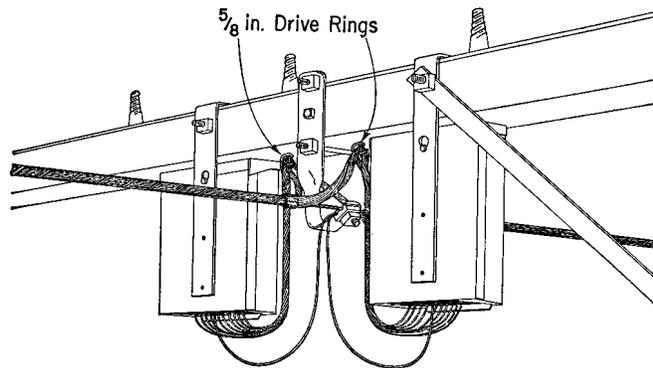


Fig. 11