

MULTIPLE DROP WIRE

PLACING

3. MULTIPLE DROP WIRE RUNS ON BUILDINGS

3.01 First Building Attachment—Use a drop wire hook as the first building attachment for multiple drop wire in pole-to-house spans. Attach hook to masonry walls with 5/16 by 1-3/4 inch hammer drive anchor; and to wood, stucco on wood, and metal on wood walls with No. 18

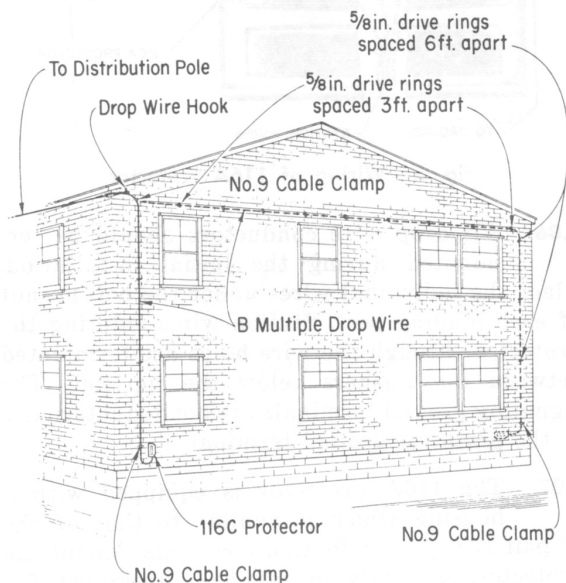


Fig. 1 — Complete Wire Run on Building

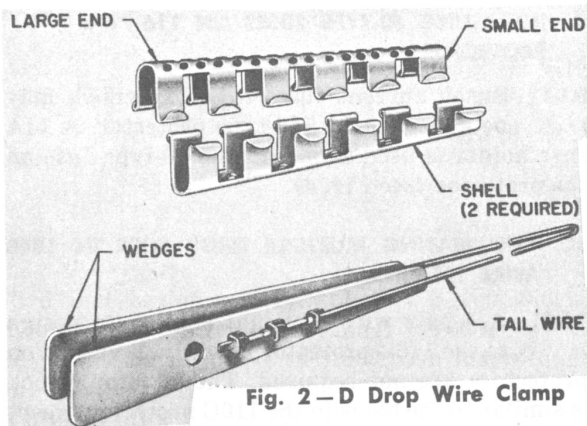


Fig. 2 — D Drop Wire Clamp

RH galvanized wood screw 2-1/2 inches or longer. The screw should penetrate the house studding at least 1-1/4 inch. Only one multiple drop wire should be supported on a drop wire hook.

3.02 Second Building Attachment — Clamp the cable to the wall close to the drop wire hook attachment with a No. 9 cable clamp. Attach clamp to walls as follows:

Wood walls — 1-1/2 inch No. 14 galvanized RH wood screws

Masonry walls — 1/4- by 1-inch hammer drive anchor

Stucco on wood
Metal on wood
Rigid composition } 2-inch No. 14 galvanized RH wood screw

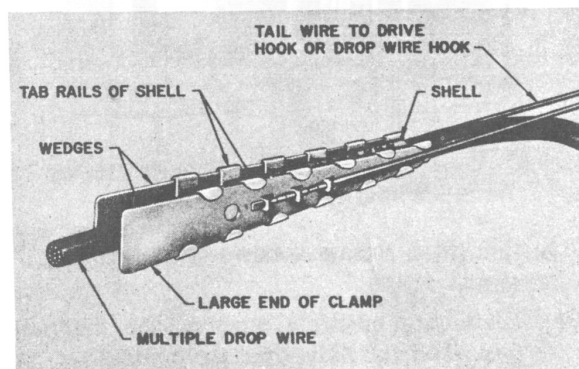


Fig. 3 — Complete Assembly of Clamp on Wire

3.03 Intermediate Building Attachments — Use 5/8-inch drive rings about 3 feet apart as intermediate attachments. It will be necessary to spread the opening in the rings slightly in order to insert the multiple drop wire.

3.04 Last Building Attachment — Place a No. 9 cable clamp on the multiple drop wire 6 inches from point of entrance to protector, wire terminal, or building after pulling the wire taut in the ring run. Attach clamp to wall as indicated in 3.02.

3.05 The multiple drop wire may be terminated in 6-pair wire terminal or 6-pair protector on the outside wall or inside the building.

3.06 Complete wire run on outside building wall is illustrated in Fig. 1.

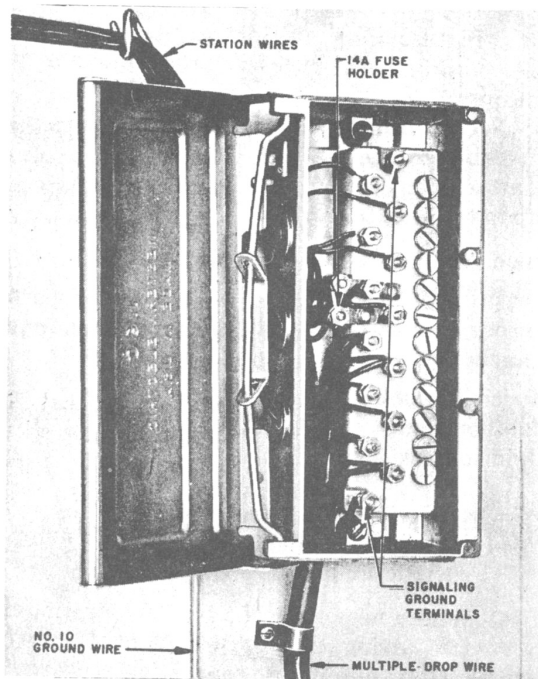


Fig. 4 - Wiring of 116C Protector

8.05 The 116C protector (Fig. 4) and the 116A protector (Fig. 5) are shown served by a multiple drop wire, but they can also be served by separate drop wires.

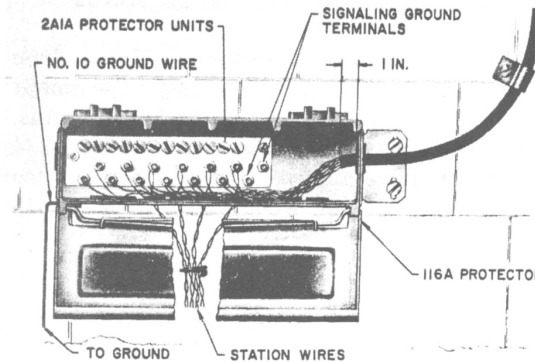


Fig. 5 - Wiring of 116A Protector

8.06 All drop wire conductors should be terminated during the initial installation. Place the individual wires under the bottom nut of each binding post. Station wires entering the protector through the wire holes are terminated between the washers below the top nut. The signaling ground terminals are bonded internally to the protector ground terminal.

8.07 The 116A protector is equipped with a housing which is similar to that of the 10-pair N-type distribution terminals. Mount the protector on walls in manner prescribed for N-type terminals.

9. INSTALLING 60-TYPE FUSES ON 116-TYPE PROTECTORS

9.01 Sneak current fuses, when specified, may be added to the 116-type protector. A 14A fuse holder is used to mount the 60-type fuse on the protector (see Fig. 4).

10. TERMINATING MULTIPLE DROP WIRE IN 104B WIRE TERMINALS

10.01 A 6-pair wire terminal similar in design to the 116C protector is used where station protectors are not required. The terminal block is similar to the block in the 116C protector except for the omission of the 2A1A protector units and ground clamp. The wiring of the wire terminal will be the same as for the 116C protector except that the ground wire connection when required for station ringers is made on one of the ground posts. Use a No. 14 ground wire for this purpose.

5. DISTRIBUTING MULTIPLE DROP WIRE FROM TERMINAL POLES

5.01 Distribute multiple wire in the manner described for individual drop wires.

6. PLACING D DROP WIRE CLAMPS ON MULTIPLE DROP WIRE

6.01 The D clamp is designed primarily for use on multiple drop wire. It consists of two identical semicircular shells and two flat wedges held together by a tail wire.

7. TERMINATING MULTIPLE DROP WIRE IN CABLE TERMINALS

7.01 Remove the outer jacket and glass yarn tape back to the first of the three drive or bridle rings associated with a pole- or wall-mounted terminal. For sheath-mounted terminals, stop jacket at terminal wiring ring nearest the pole. Fan out the pairs, run them through the rings, and terminate them.

8. TERMINATING MULTIPLE DROP WIRE IN 116-TYPE PROTECTORS

8.02 The 116C protector is arranged for fastening to mounting surface without requiring a separate mounting bracket.

8.04 Insert the multiple wire into either end of the protector as desired.