TERMINALS—OUTDOOR WIRING

1.00 INTRODUCTION

1.01 This section covers the identification, installation, and wiring of the 104A and 104B wire terminals. It is reissued to include information on the 104B wire terminal.

1.02 Due to extensive changes, marginal arrows have been omitted.

2.00 GENERAL

2.01 These terminals are used to terminate multiple drop wire or drop and block wires on the exterior of multifamily dwellings in areas where no station protection is required. They may also be used at other locations as a bridging point.

2.02 These terminals should not be used at indoor locations. At such locations terminate the multiple drop or drop and block wires on a 30C connecting block. If, for appearance or other reasons, it is desired to enclose the connecting blocks, a GA-11 cable terminal box may be used.

3.00 IDENTIFICATION

3.01 The 104A wire terminal shown in Fig. 1 employs a mounting similar to a 10-pair, N-type distribution terminal, but is equipped with a

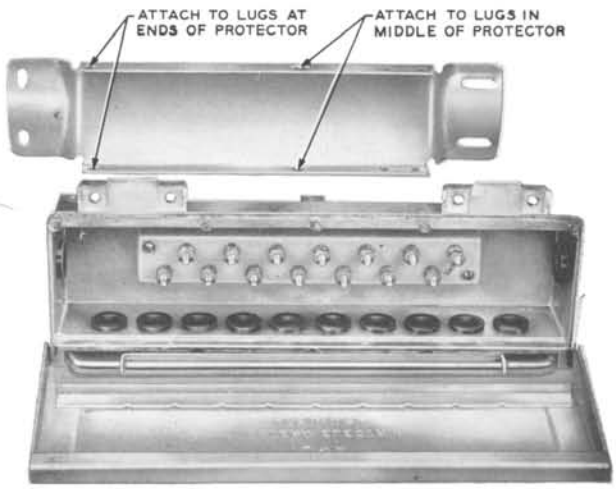

FIG. 1—104A WIRE TERMINAL WITH A 45A MOUNTING PLATE

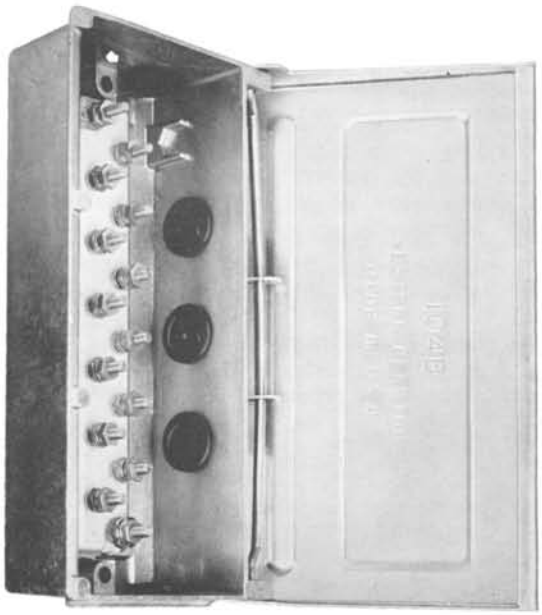

FIG. 2—104B WIRE TERMINAL

terminal block having facilities for connecting 6-pair multiple drop wire. Two binding posts on the extreme right are strapped together internally and are used for station signaling grounds.

3.02 The 104B wire terminal shown in Fig. 2 employs a mounting which is an aluminum die cast box, with a toggle-type cover similar to the cover on the 104A. It is equipped with a terminal block having facilities for connecting 6-pair multiple drop wire. Two binding posts, one at each end of the block, are strapped together internally and are used for signaling grounds.

4.00 INSTALLATION

4.01 Consider the following when locating outdoor wiring terminals:

- Accessibility (avoid placing where a ladder is necessary for installation or maintenance).
- Freedom from likelihood of mechanical damage.
- Firm and even mounting surface.
- Appearance standpoint (avoid locations on front of buildings).

4.02 **104A:** The 104A wire terminal is provided with a 45A bracket for mounting the terminal. It may be mounted either horizontally or vertically as follows:

1. Attach the 45A bracket to mounting surface with No. 14 RH galvanized wood screws or equivalent. Screws shall be of sufficient length to mount securely.
2. Set the terminal in position on the 45A bracket and secure it with four self-tapping screws.

4.03 **104B:** The 104B wire terminal can be mounted either horizontally or vertically. Two mounting holes are provided. (See Fig. 2.) Use No. 14 RH galvanized screws of sufficient length to mount securely.

5.00 WIRING

5.01 The 104A wire terminal shown in Fig. 3, and the 104B wire terminal shown in Fig. 4 are wired with multiple drop wire, but may also be used with separate block or drop wires.

- All drop or block wire conductors **MUST** be terminated during the initial installation.
- Place the individual drop or block wire conductors under the bottom nut of each binding post.
- Station wires which enter the terminal through the grommeted wire holes should be terminated between the washers below the top nut.

5.02 **104A:** The multiple drop wire on the drop and block wires may be inserted from either end. Two end grommets are provided, one with an open center for the entrance of wires and the other a solid grommet to seal the opposite end.

5.03 The ground wire should be terminated underneath the bottom washer and nut on the ground binding part. No strap need be placed between the two ground posts, since they are wired together internally.

5.04 **104B:** The drop and block wires may be inserted from either end. The grommets on both ends are the solid type and must be punctured to enter the wire.

5.05 The ground wire should be terminated underneath the pronged washer on one of the block mounting studs. No strap need be placed between the two ground posts, since they are wired together internally.

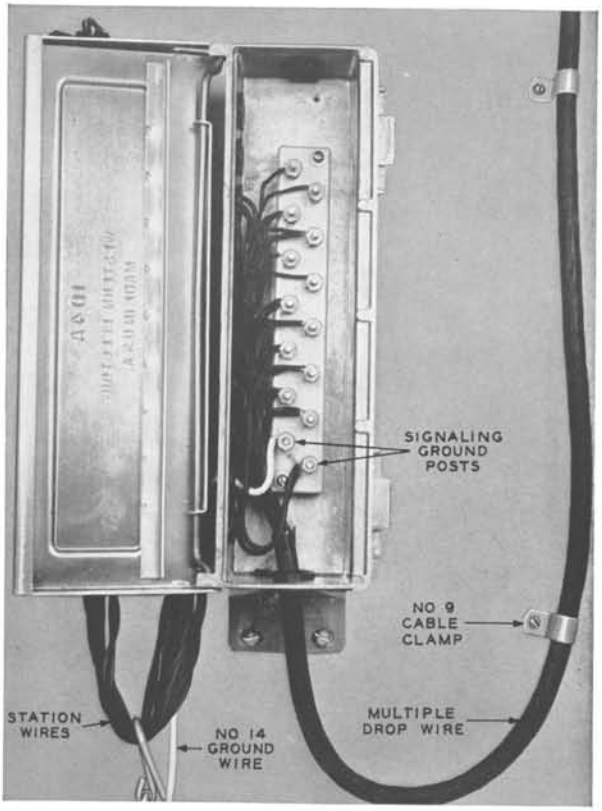

FIG. 3—WIRING OF 104A WIRE TERMINAL

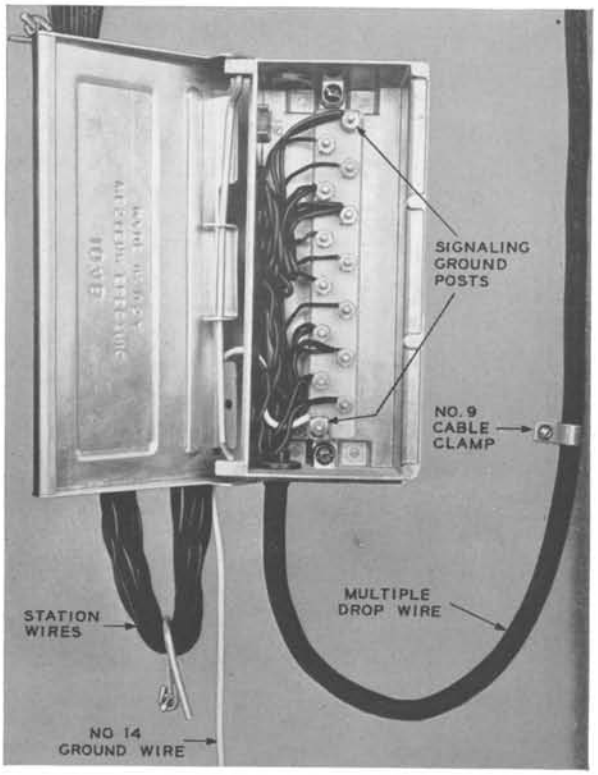

FIG. 4—WIRING OF 104B WIRE TERMINAL