RUNNING CABLE AND WIRE
COMMON OPERATION

CONTENTS

1. GENERAL

1.1 Scope of Section

1.11 This section covers the requirements and methods pertaining to common operations associated with running bulk cable and wire.

1.2 General Information Pertaining to Arrangement of Tools, Precautions, Verifications, Specification and Drawings, and Figures

1.21 Refer to Section 1 of this handbook for information pertaining to these items.

2. INSTALLING EQUIPMENT

2.1 The tools and supplies normally required for running bulk cable are listed in Section 200 of this handbook.

3. REQUIREMENTS AND METHODS

3.1 General Procedure

3.11 Use of the following procedure will generally result in the most economies when running bulk cables.

3.111 Locate the reels of cable, for running cable, at the most suitable end of the cable run. This is usually the end of the highest floor or where most of the cables originate. Run cables from the top floor down whenever possible. This will allow lowering the cables through the cable holes rather than pulling them upward.

3.112 Make certain there are no nails or sharp projections on the rim of the reels before rolling them on linoleum.

3.113 When transporting bulk cable and formed cable, use R-3489 Platform Truck, if available.

3.114 When transporting reels from one location to another location, use the R-3953 Cable Reel Carrier. If a carrier is not available, roll reels on fiberboard mats before turning them. This is to protect the linoleum. The fiberboard covering, which is wrapped around the reels of cable, may be used for this purpose.

NOTE: CABLE REELS NOT EQUIPPED WITH STEEL REINFORCEMENT RIMS SHOULD BE CHECKED FOR SHARP PROJECTIONS. USE THE R-3953 CABLE REEL CARRIER FOR TRANSPORTING ANY DAMAGED CABLE REELS.

3.2 Supports for Cable Reels and Coils

3.21 Supports are provided for cable reels as follows:

3.211 Use Cable Reel Support R-3953 shown in FIG. 1 to hold cable reels while running cable, except large power reels. A reel so supported may be transported without being disengaged.

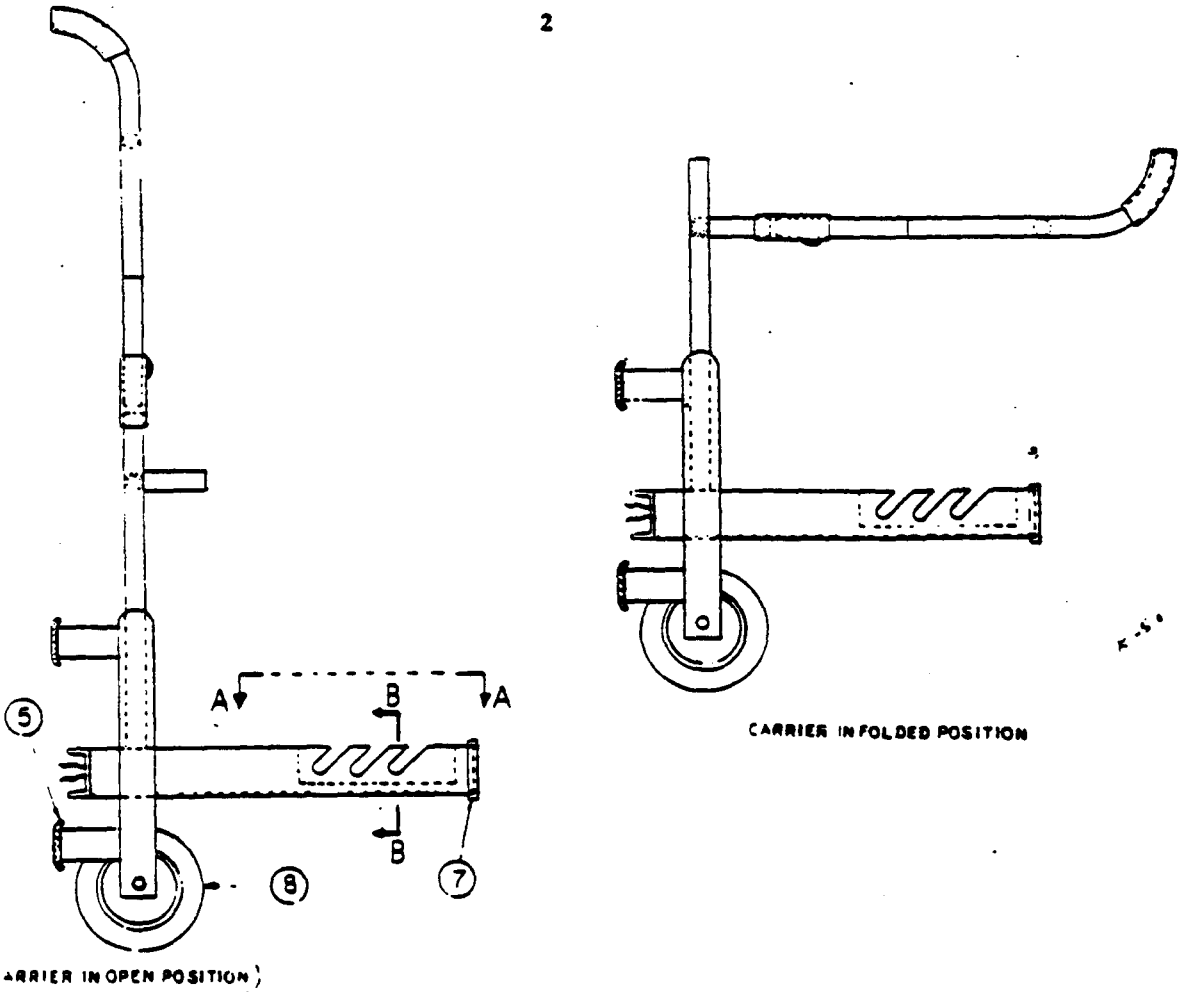


FIG. 1 R-3953 CABLE REEL CARRIER (PAR. 3.211)

3.2111 Use the two lower slots on the supports for 308 cable reels (see FIG. 3, Steps 1 and 2). 310 cable reels should be supported using the top or middle slots (see FIG. 2, Steps 1 to 4). The top slots can support 400 type cable reels. Heavily loaded 310 or 400 type cable reels may require two men to perform the lifting operations.

> CAUTION: WHEN THE R-3953 CABLE REEL CARRIER SUPPORT IS USED IN AN AISLE, AND THE FOLDED HANDLES OF THE R-3953 EXTEND INTO A CROSS-AISLE, USE SOME FORM OF "DANGER" SIGN TO CALL ATTENTION TO THE HAZARD.

3.212 The R-2704 Cable Reel Support shown in FIG. 4 can be used interchangeably with the R-3953 Cable Reel Carrier when running cable. The R-2704 is to be used only for reels of comparable light-weight cable. Cable reels having power cable are not to be placed on the R-2704 ("A" stand).

3.2121 When the R-2704 Cable Reel Support is used with light-weight cable reels, an unsteady pull on the cable may cause the large frame to tilt forward. This may permit the supporting frame to swing forward with the result that the large frame falls when the pull on the cable is released. To prevent the supporting frame from swinging forward, maintain a snug fit between the supporting frame and the large frame by keeping the rivets tightly peened.

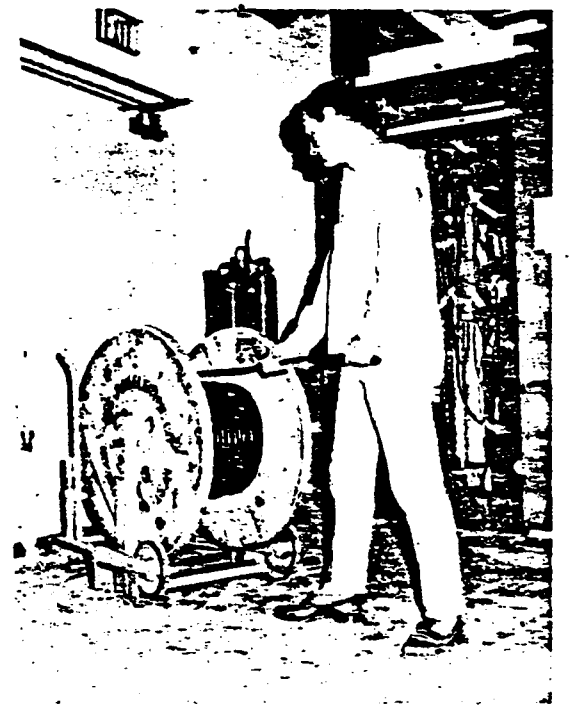
> NOTE: The R-2704 Cable Reel Support is to be used until all stock has been depleted. The R-3953 Cable Reel Carrier will eventually replace it.

3.213 Jackset, R-1615, and Reel Lift R-3195 are available for heavy reels of power wire.

STEP 1

STEP 2

STEP 3



STEP 4

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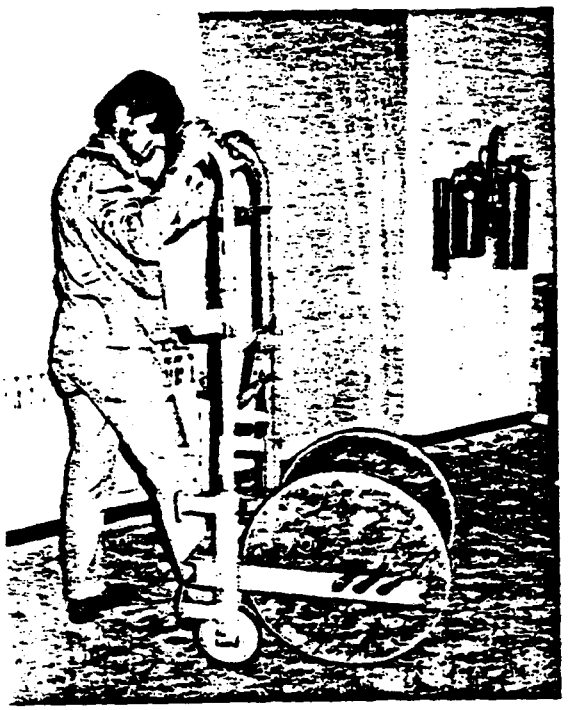
FIG. 2 METHOD OF USING R-3953 CABLE REEL CARRIER WITH 310 CABLE REELS (PAR. 3.211)



STEP 1

STEP 2

FIG. 3 METHOD OF USING R-3953 CABLE REEL CARRIER WITH 308 CABLE REELS (PAR. 3.211)

3.22 The R-3409 Coil Dispenser shown in FIG. 5 is a turntable type dispenser used for unreeling or rewinding coils of cable.

3.3 Securing Cable Tags to Cable and Wires

3.31 SD-97-218 (formerly SD-4-218) Cable Tags are adhesive backed and are furnished preprinted with information from the "C" section of the cable specification. They are printed in duplicate, one to be attached to running end of the cable, and the other to the trailing end.

3.311 The backing paper on the SD-97-218 Cable Tag is split lengthwise in two sections. The 1/2" strip will remain on the tag while the other strip is removed prior to securing the tag to the cable. The reason for leaving the 1/2" backing strip on the tag is to provide a reserve strip of fresh adhesive if required. Apply the adhesive side of the tag to the cable and to each other all the way to the ends of the the tag (See FIG. 6).

3.312 Relocate the cable tag above the butt mark prior to butting and stripping the cable. This is done by grasping the corner of the cable tag and pulling the ends of the tag apart. The tags can be relocated as many times as necessary.

3.32 SD-97-218A (formerly SD-4-218A) Cable Tags may be ordered as a stationery item when cable tags are required for preparation on the job.

3.321 The SD-97-218A Cable Tag contains a fully coated adhesive back. The backing paper is designed with a 3/8" tab at the top and bottom of the tag which remains on the tag while the center strip is removed prior to securing the tag to the cable.

3.322 Secure the tag to the cable or piece part wire as shown in FIG. 6.

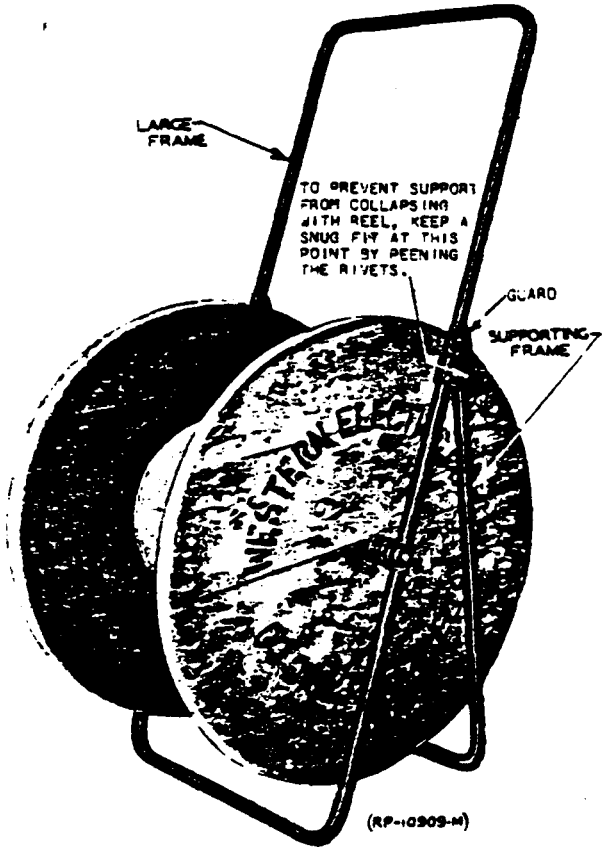


FIG. 4 CABLE REEL SUPPORT, R-2704 (PAR. 3.212)

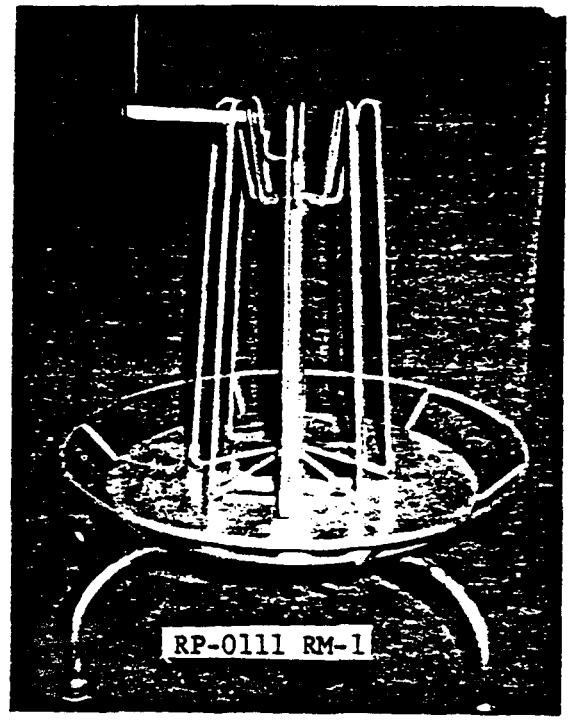
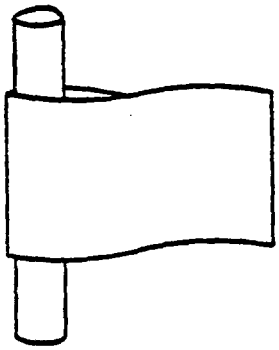


FIG. 5 COIL CABLE DISPENSER, R-3409 (PAR. 3.22)



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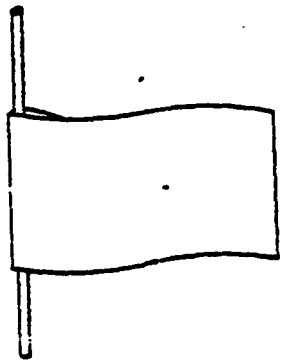
SD-97-218 OR SD-97-218A CABLE TAG ATTACHED TO SWITCHBOARD CABLE



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METHOD OF ATTACHING SD-97-218 OR SD-97-218A CABLE TAG TO PIECE PART WIRE

FIG. 6
(PAR. 3.311, 3.322)

→Indicates new or changed information.

Engineering Planning Manager
(Installation)

Reason for Reissue:
Add Reference to Modified SD-97-218 Cable Tag.