DIRECTORY HANGERS, FASTENERS, AND BINDERS
IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section contains information on directory hangers, fasteners, and binders used with various telephone facilities.

1.02 This section is reissued to:

- Add KS-13350, Lists 5 and 6 directory hangers, Fig. 1

- Remove information on obsolete binders supplied locally.

1.02 Where shelf or table space is adequate, use directory fasteners. When shelves or tables are not desirable, use directory hangers.

2. DIRECTORY HANGERS

2.01 Figure 1 shows the KS-7302 and the KS-13350 type directory hangers.

2.02 Attach KS-7302 directory hangers on:

- Outside panels of wood booths (Fig. 2).

- Wall surfaces with the use of backboards. Install in same manner as shown in Fig. 2.

2.03 Attach the KS-13350 (Lists 1 through 4) type directory hangers on:

- Outside panels of wood booths, (Fig. 3)

- Wall surfaces with the use of backboards. Install in same manner as Fig. 3.

2.04 ♦Attach the KS-13350 (Lists 5 and 6) type directory hangers on 178A backboard only (Fig. 4) as follows:

- Hanger must be mounted on right side (approximately the middle) of backboard prior to final fastening to wall

- Backboard has undercuts on back flange which accomodate mounting bracket tabs

- List 5 is for hanging one directory

- List 6 same as List 5, except that termination can accept a universal binder with end swivel or hook.♦

2.06 Capacity of the KS-13350 type hangers is listed in Table A.

2.07 Place directory in KS-13350 hanger clamps as shown in Fig. 5.

3. DIRECTORY FASTENERS

3.01 The various types of directory fasteners are shown in Fig. 6. The capacity of each is listed in Table B.

3.02 Locate the fastener in the center of shelf or table 1/2-inch from front edge. Attach the fastener with No. 8 by 3/4 pan head screws. See Fig. 7, 8, and 9.

3.03 When placing more than one fastener, space each one equal distance from ends of shelf or table, although far enough from edge to avoid overhang of the directory.

3.04 Insert directory in fastener as illustrated in Fig. 10, 11, and 12.

KS—13350

LIST 1   LIST 2   LIST 3   LIST 4   LIST 5   LIST 6
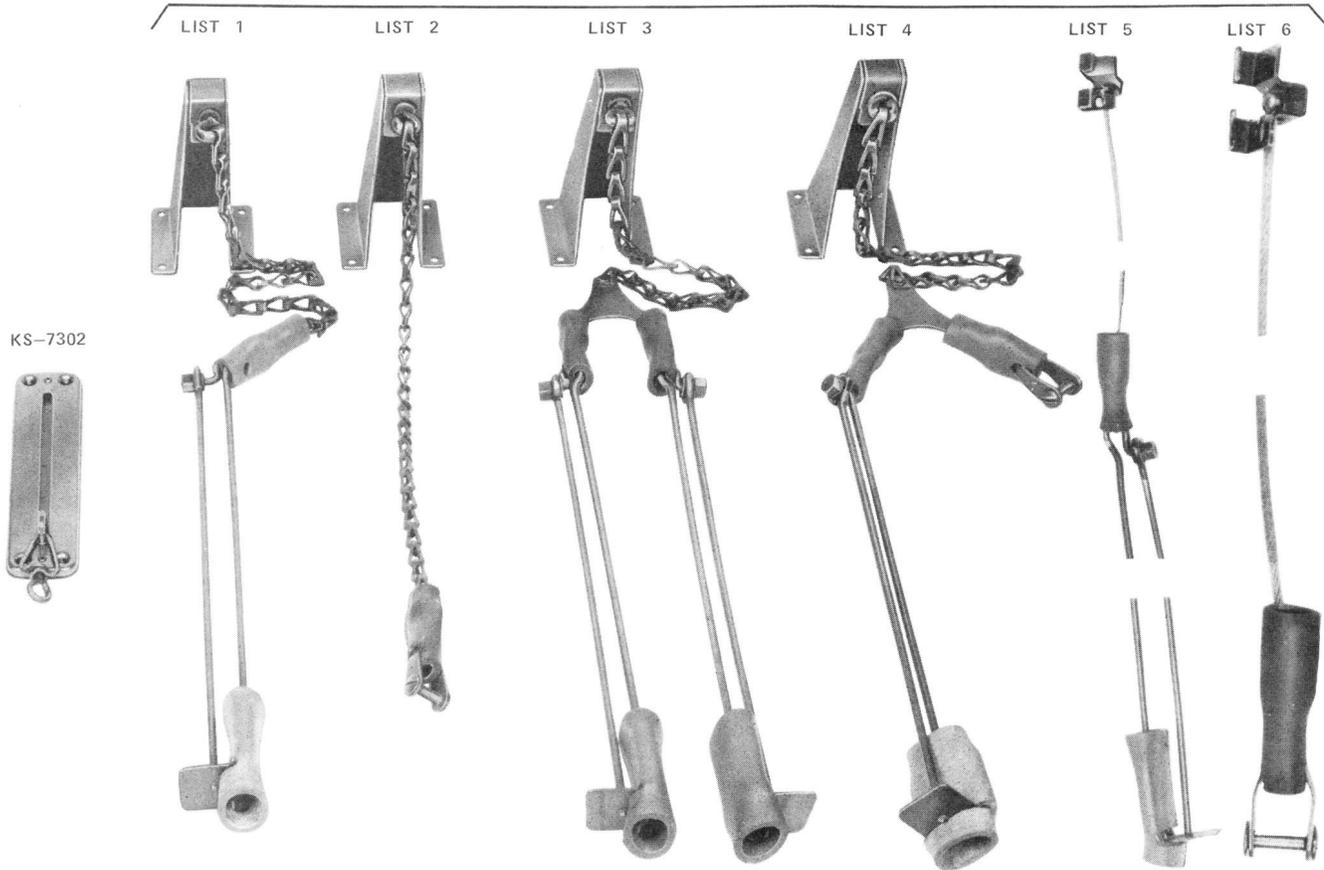
KS—7302

Fig. 1—▶Directory Hangers◀

4. DIRECTORY BINDERS

A. Outdoor (OD) Binders

4.01 Figure 13 shows the OD directory binders and Fig. 14 is the OD binder assembly.

4.02 Outdoor binder capacity and sizes are listed in Table C.

4.03 Install directory in OD binder as follows:

(1) Unlatch binder rods (Fig. 15).

(2) Screw key into locking device, and pull to unlock adjustable backplate. LEAVE KEY IN LOCK (Fig. 16).

(3) Open backplate to maximum width.

(4) Place directory in binder and reduce backplate to thickness of directory.

(5) Hold backplate against directory and remove key (this locks backplate).

(6) Place binder rod between pages of directory to coincide with binder rod retaining slots.

(7) Latch binder rod at top hinge into binder rod retaining slot (Fig. 15).

4.04 The following are components for OD binder installation in a booth.

- B-182452 directory rack

- B-179399 hinge pin

15 IN.

MOUNT ON WOOD
WITH 7/8 IN. NO.8 OH
OXIDIZED WOOD
SCREWS FURNISHED
WITH HANGER

52 IN.
TO FLOOR — SWIVEL EYE
— HOOK
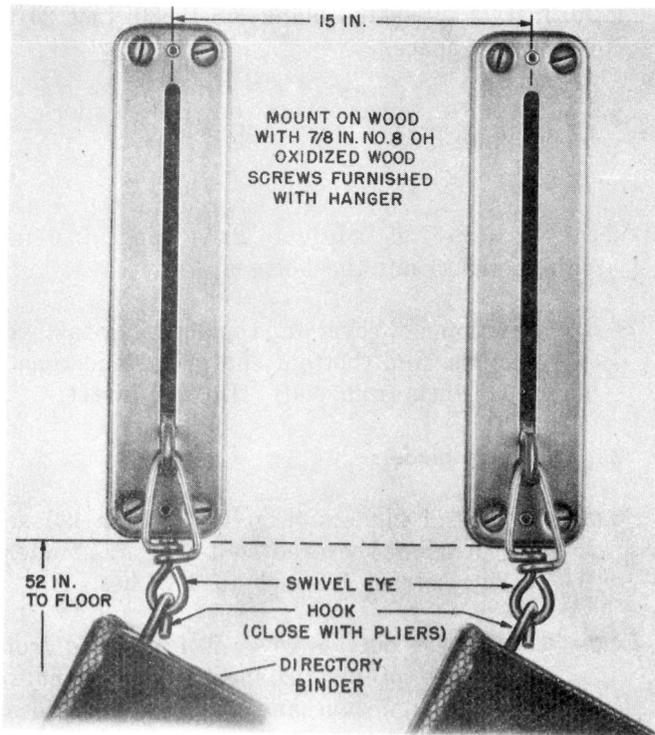(CLOSE WITH PLIERS)
— DIRECTORY
BINDER

Fig. 2—KS-7302 Hanger Installation

IF ONLY ONE HANGER IS USED IT SHOULD BE PLACED IN
CENTER OF PANEL. USE THREE NO. 8 X 3/4 IN. PAN-HEAD
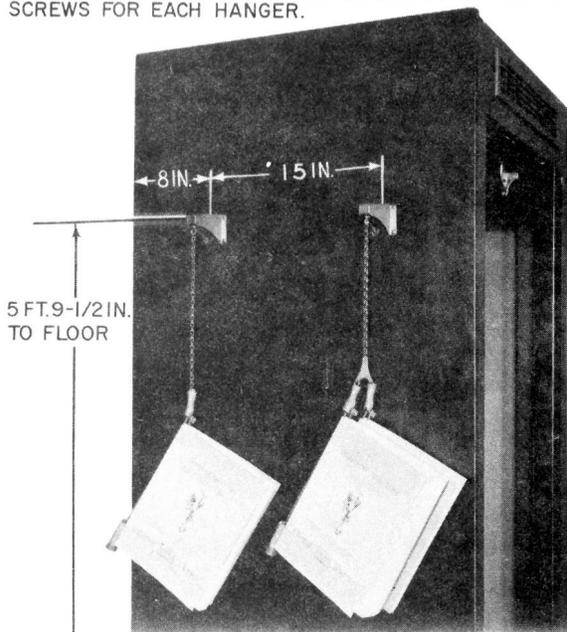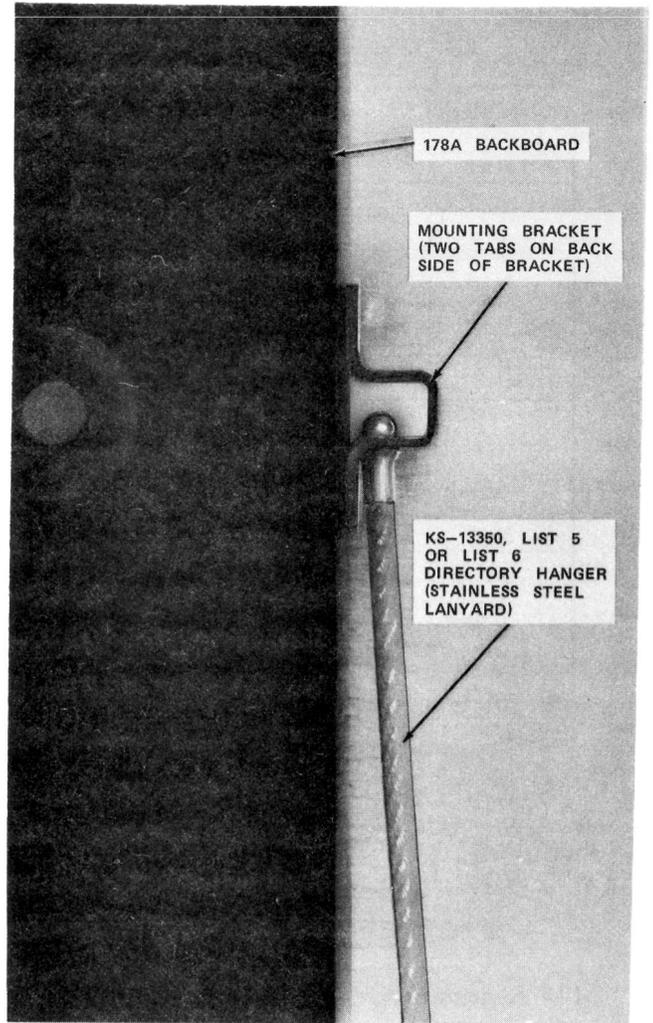SCREWS FOR EACH HANGER.

8 IN. 15 IN.

5 FT. 9-1/2 IN.
TO FLOOR

Fig. 3—KS-13350 Type Hanger Installation

178A BACKBOARD

MOUNTING BRACKET
(TWO TABS ON BACK
SIDE OF BRACKET)

KS—13350, LIST 5
OR LIST 6
DIRECTORY HANGER
(STAINLESS STEEL
LANYARD)

Fig. 4—◖KS-13350, List 5 or 6 Directory Hanger
Installed on 178A Backboard◗

- Nut, hex, captive lockwasher 1/4 by 20 for hinge pin

- ◖814419362 (P-44A936) spacer collar◗

- B-179423 rubber bumper.

4.05 Install OD binders in KS-14611 or ◖KS-21716◗ booth as follows.

(1) Remove nut from end of pin (if lock is on hinge pin, use binder key).

(2) Use 3/32-Allen wrench to loosen spacers (collars).

♦TABLE A♦

KS-13350 HANGER CAPACITY

LIST NO.	DIRECTORY	
	QUANTITY	THICKNESS
1	1	3/4-inches or more
2	1*	Less than 3/4-inch
3	2	3/4-inches or more
4	1	Less than 3/4-inch
	1	3/4-inches or more
5	1	3/4-inches or more
6	1*	Less than 3/4-inch

*Directory must have hole punched.

(3) Remove hinge pin (shaft).

(4) Assemble binder on hinge pin with a spacer beside each thin binder.

(5) Tighten spacers against binder and replace lock or nut on end of hinge pin.

4.06 Figure 17 shows a double directory installation. This type of installation may be placed on both the back and side walls for maximum usage of four directories. When only one directory is used, install apparatus blank KS-19580, List 24 to cover empty space.

4.07 Replace worn covers on OD binders as follows.

(1) Insert a short piece of rod in top hinge. Tap the rod lightly to drive hinge fastener (hinge shaft) out the bottom.

(2) Position new cover and replace hinge fastener from bottom (bottom end of fastener has a notch 1/4-inch from end). Do not invert.

B. Universal Binders

4.08 Universal binders (Fig. 18 through 20) are polyethylene covered self-hinging binders with capacities from 1/2-inch to 3 inches.

4.09 The entire outside cover is fabricated from one piece of plastic sheet. The standard color is Bell System blue and will be decorated as required by the ordering telephone company.

4.10 Binders can be obtained with a lanyard (Fig. 18) and attached to a flat surface. Lanyards are available in two different lengths:

- 15-3/4 inches long

- 18-1/4 inches long.

4.11 Binders can also be obtained with a swivel (Fig. 19), attached to the backbone with a No. 10-32 by 5/16 BHM screw (Fig. 20). This swivel permits usage with a KS-19425, List 16 directory rack (Fig. 17).

4.12 Directories are held within the binder by means of one or more binder rods (Fig. 20).

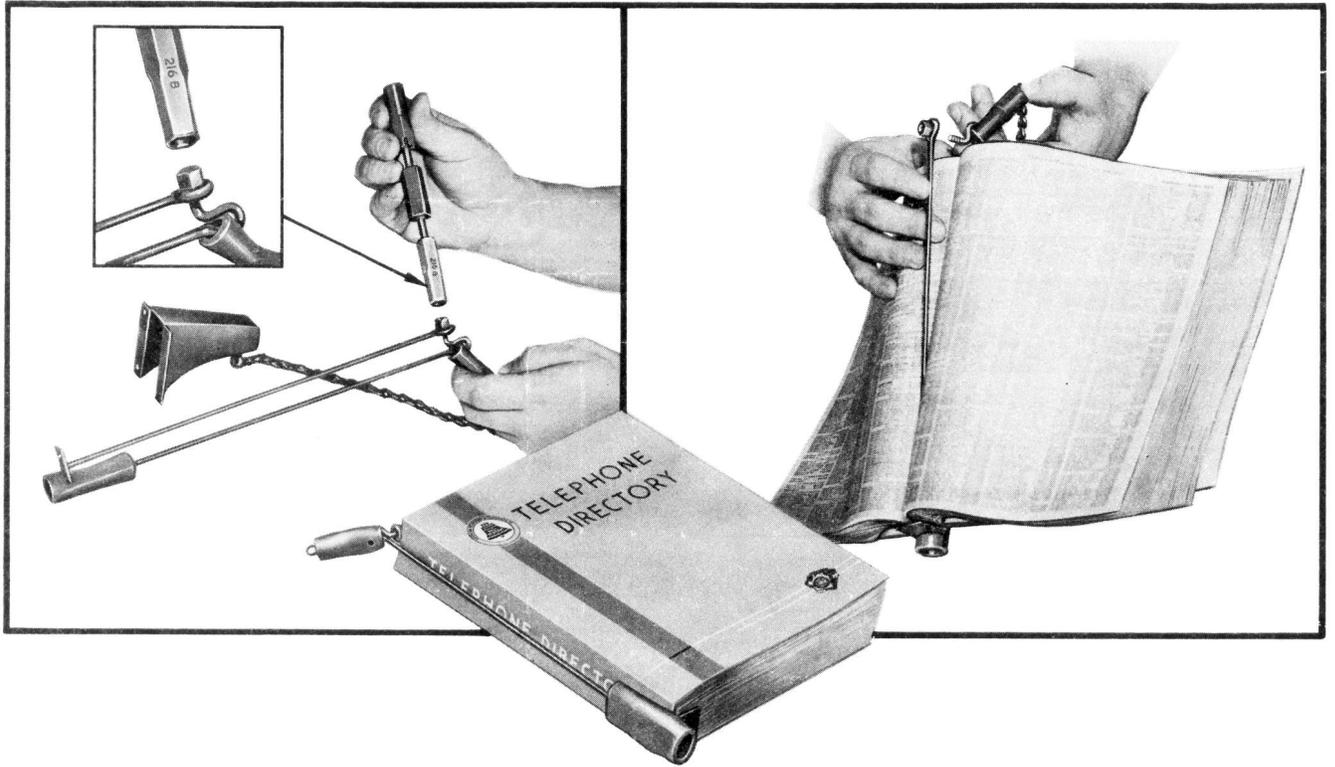**4.13** Universal binders are available in various sizes per Fig. 21.

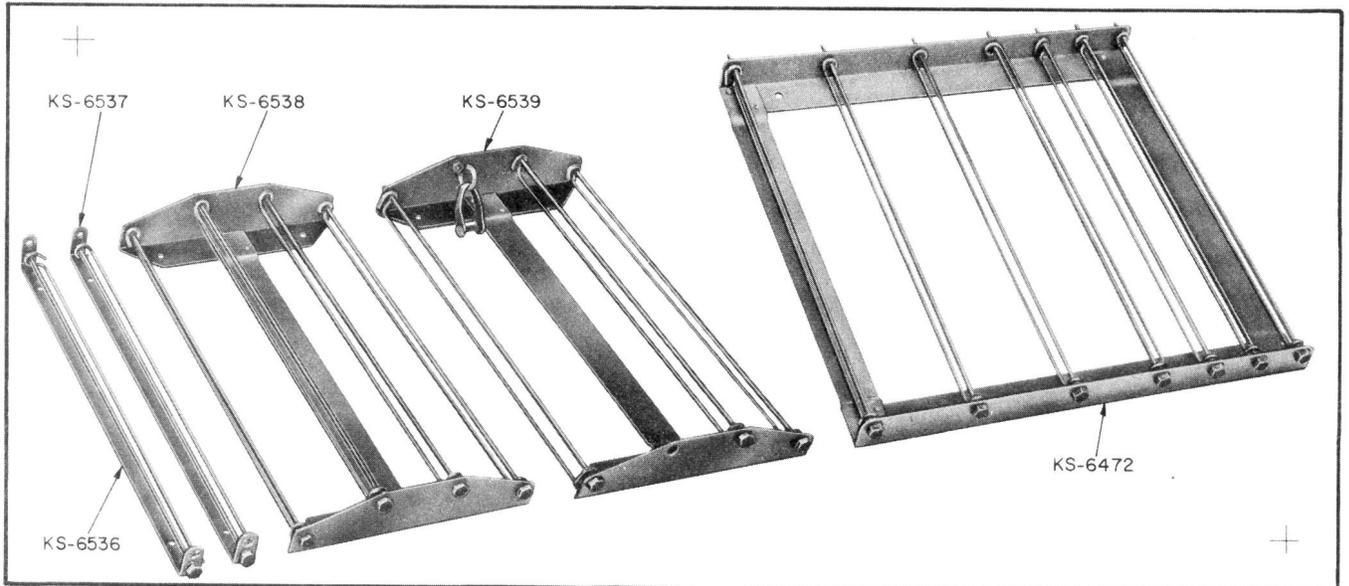Fig. 5—Installing Directory in KS-13350 Hanger Clamps

Fig. 6—Directory Fasteners

TABLE B

DIRECTORY FASTENER CAPACITY

FASTENER	DIRECTORY	
	QUANTITY	THICKNESS
KS-6472	7	3/4-inch or more
KS-6536	1	
KS-6537	1	Less than 3/4-inch
KS-6538	1	
	3	3/4-inch or more
KS-6539	1*	Less than 3/4-inch
	1	
	2	3/4-inch or more

*Directory must have hole punched.
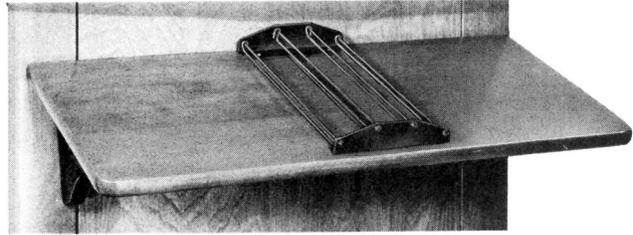
Fig. 8—KS-6538 Directory Fastener
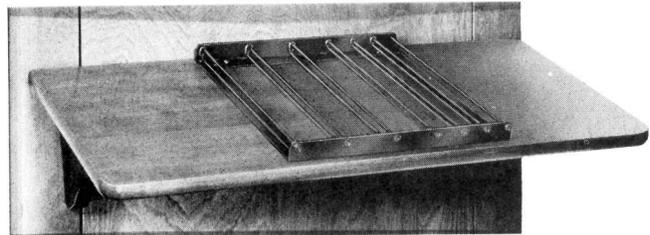
Fig. 9—KS-6472 Directory Fastener
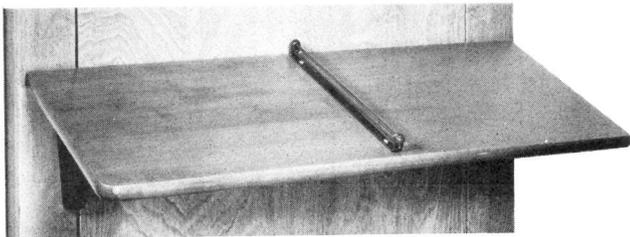
Fig. 7—KS-6536 Directory Fastener

3/4 IN. OPENING

17/32 IN. OPENING
(THIN DIRECTORY)

ROD
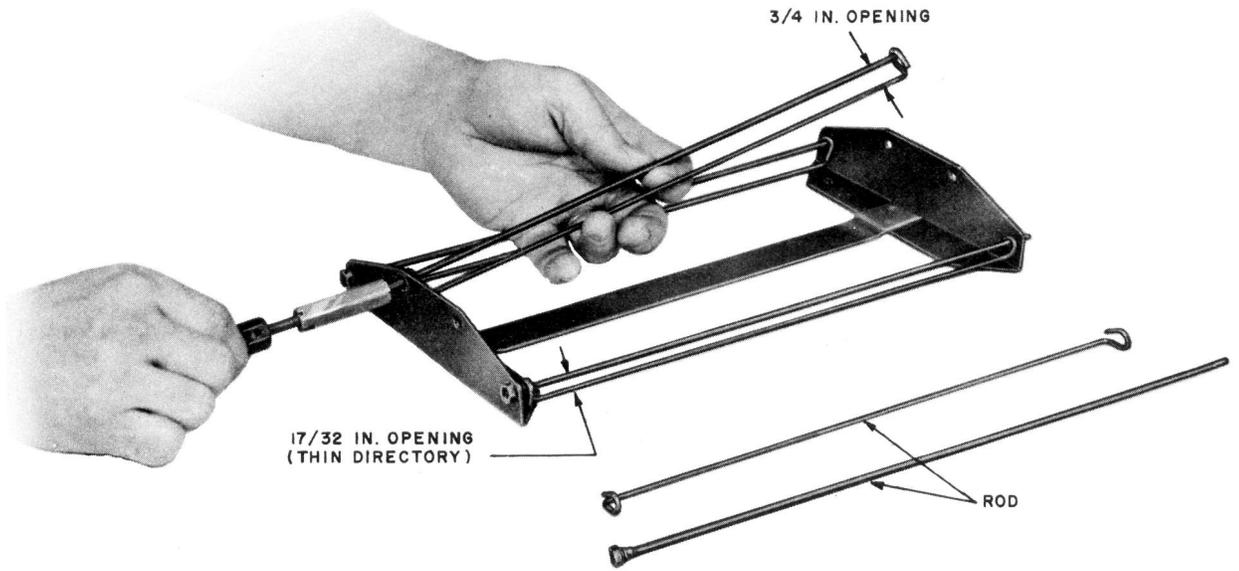
Fig. 10—Removing Rod
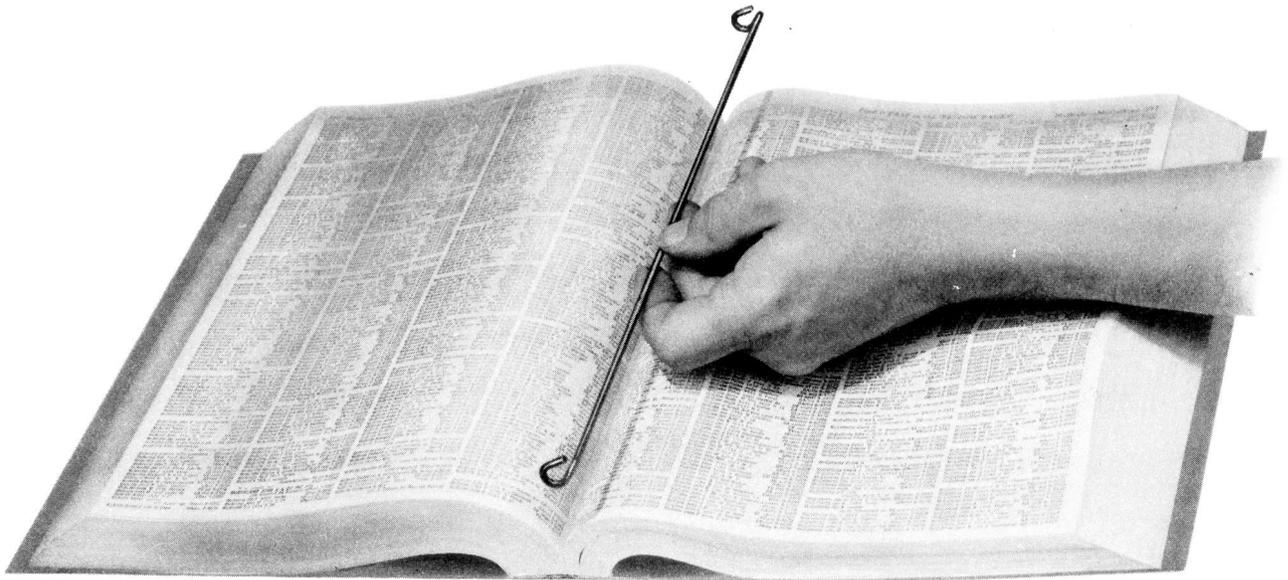
Fig. 11—Placing Rod in Directory

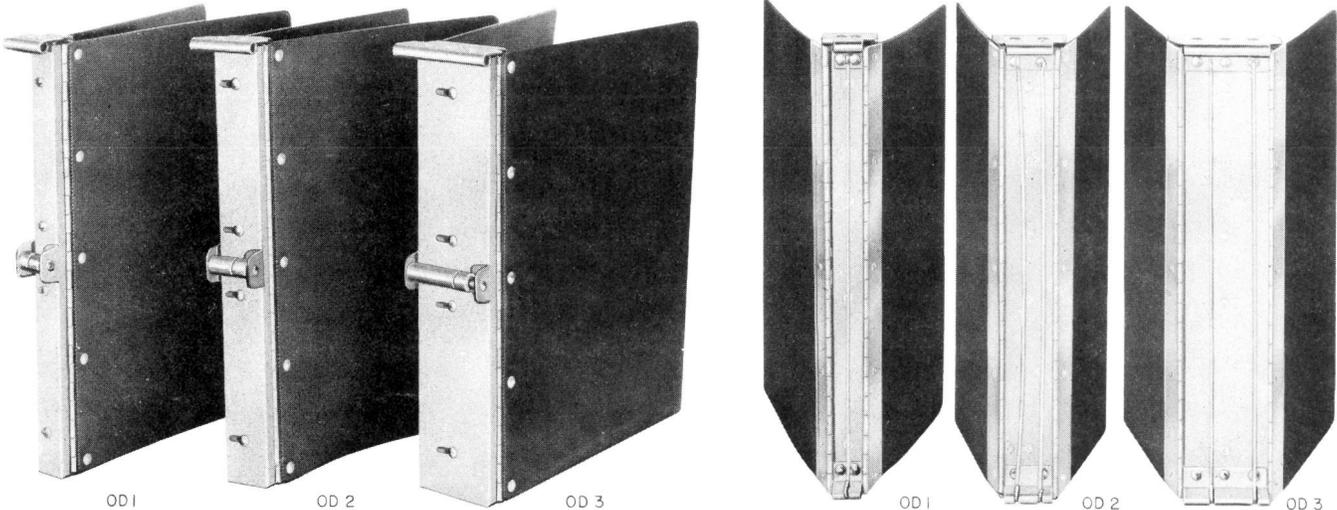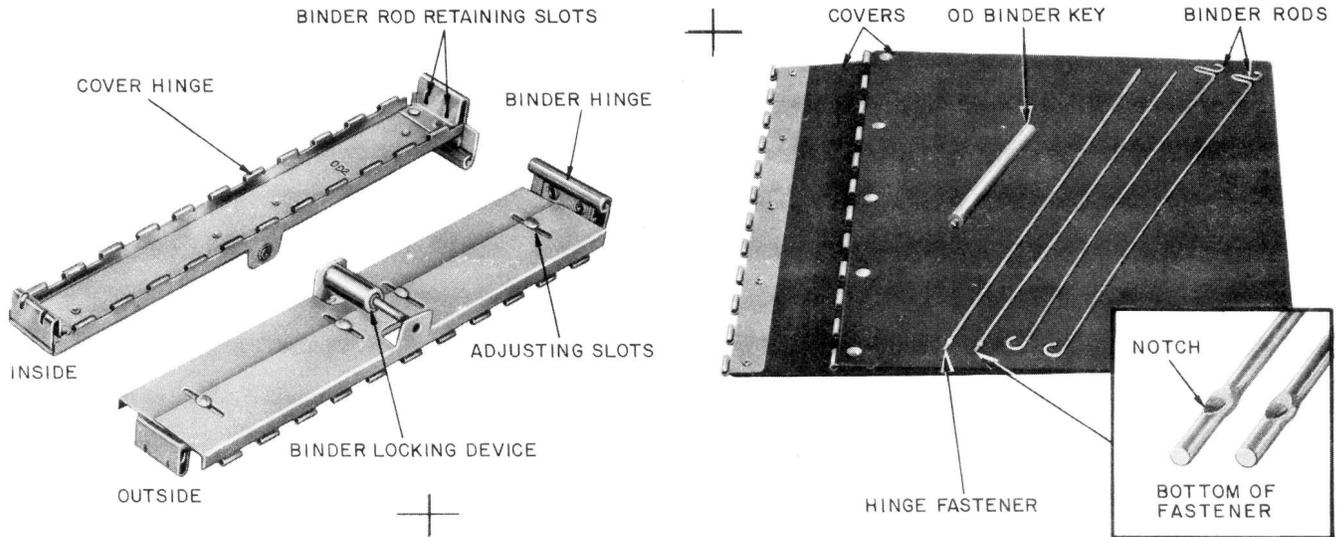Fig. 12—Directory in Fastener

Fig. 13—Outdoor Directory Binders

Fig. 14—Outdoor Binder Assembly

♦TABLE C♦

OUT DOOR BINDERS

BINDER NO. (FIG. 7)	NO. OF RODS	THICKNESS	WIDTH	HEIGHT
OD 1	1	3/4- to 1-1/4 in.	6-1/8	9-1/4
			9-1/4	11
OD 2	2	1-1/4 to 2-1/4 in.	6-1/8	9-1/4
			9-1/4	11
OD 3	2 to 5	2-1/4 to 3-3/8 in.	6-1/8	9-1/4
			9-1/4	11

DIRECTORY BINDER KEY
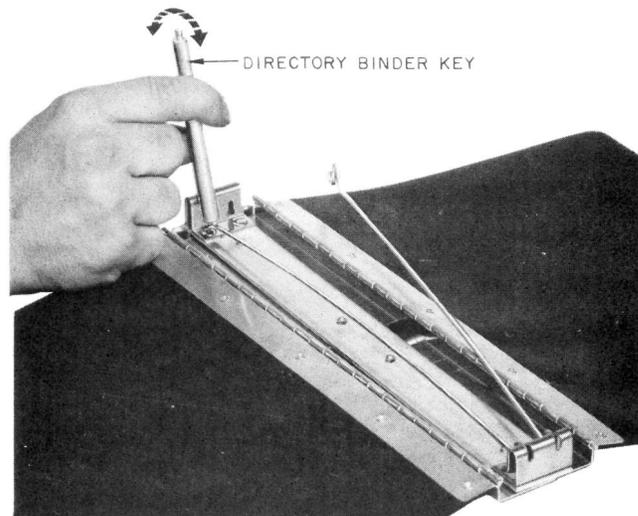
Fig. 15—Unlatching Outdoor Binder Rod

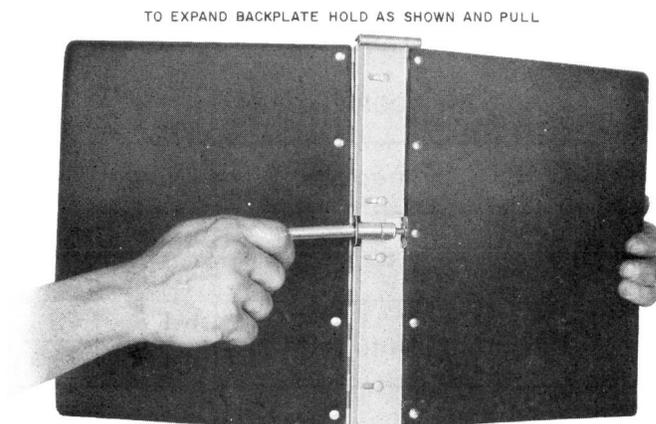TO EXPAND BACKPLATE HOLD AS SHOWN AND PULL

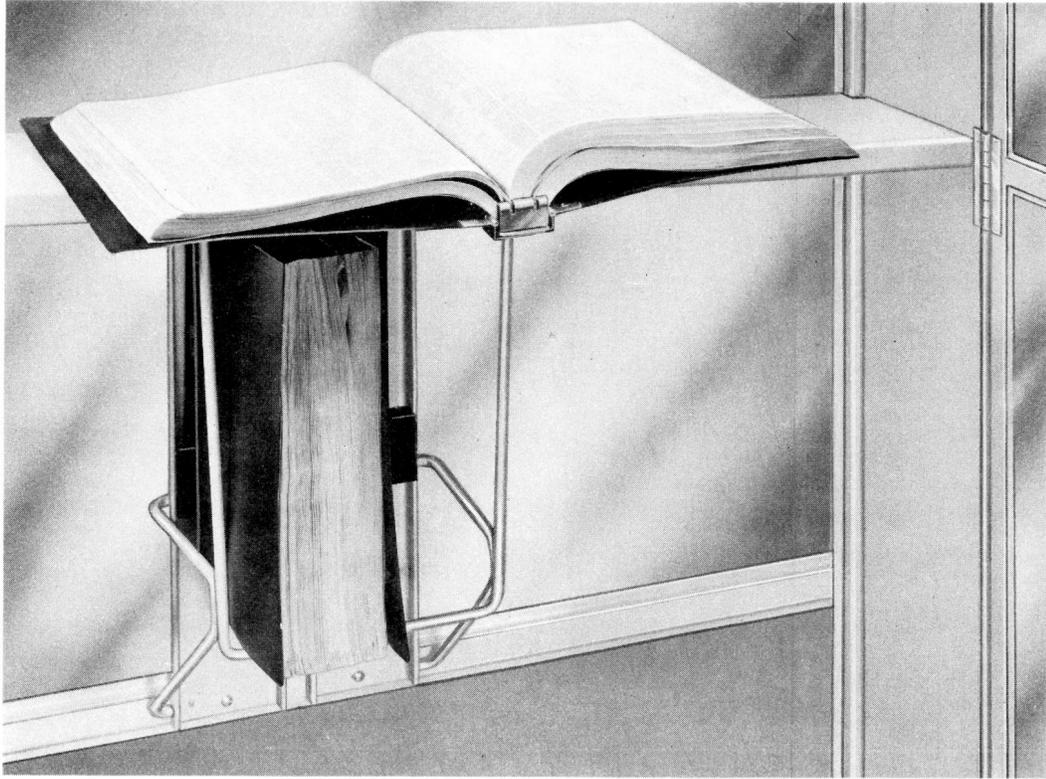**Fig. 16—Unlocking Backplate—Rear View**

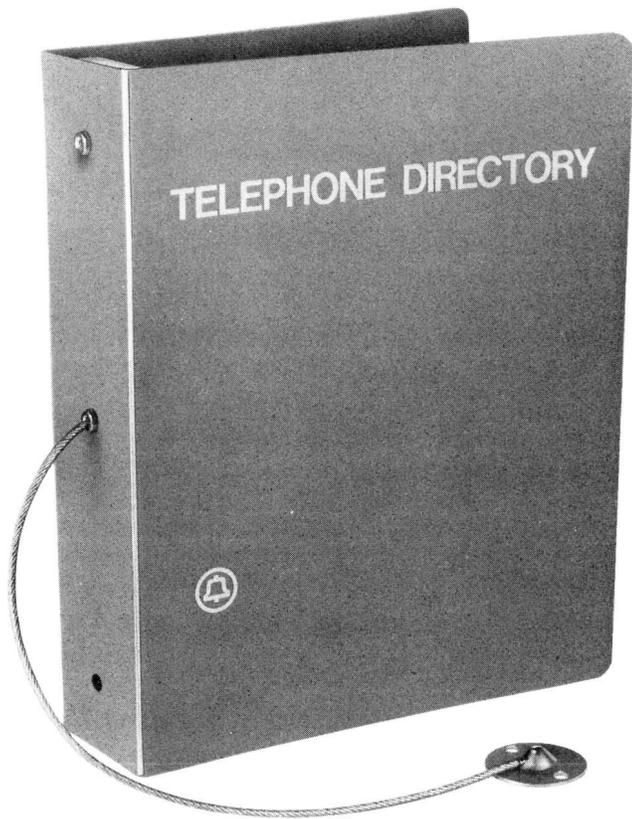Fig. 17—Directory Installation in KS-19425, List 16 Directory Rack
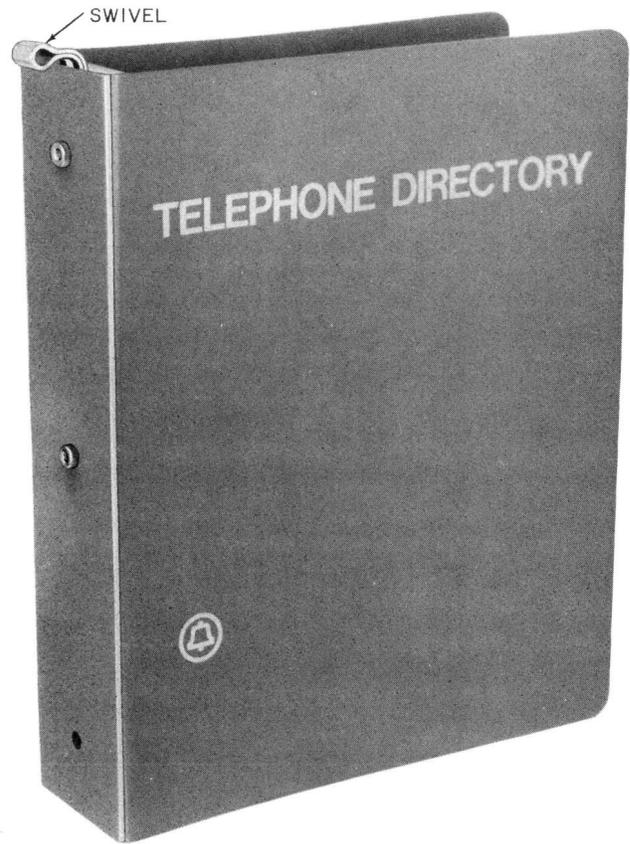
Fig. 18—Universal Binder With Lanyard
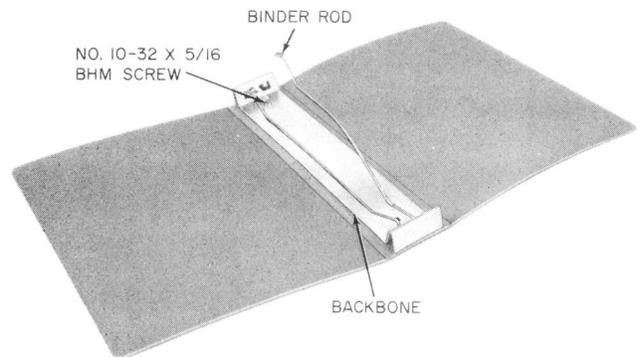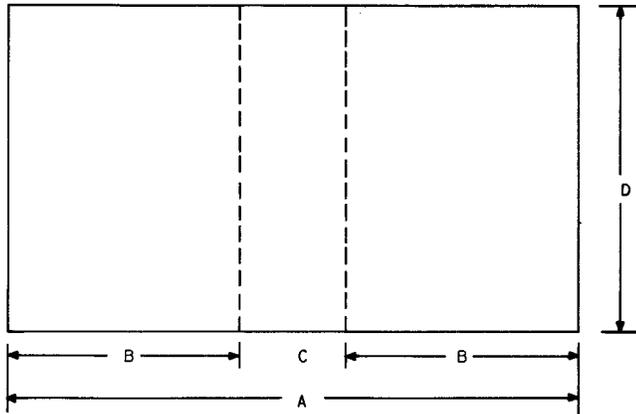

Fig. 19—Universal Binder With Swivel

Fig. 20—Typical Universal Binder—Inside View

NOTES:
1. DIMENSION C INDICATES DISTANCE BETWEEN HINGE SCORE LINES.
2. ALL DIMENSIONS ARE IN INCHES.

CODE NO.	APPROXIMATE DIMENSIONS				NO. OF RODS
	A	B	C	D	
14500	14-1/16	6-3/4	1/2	10-1/4	1
14700			5/8		
14750			3/4		
14800			7/8		
20500	20	9-1/2	1/2	12-1/4	2
20550			5/8		
21000			3/4		
21250			1		
21500			1-1/4		
21550			1-1/2		
22000	21-1/2	10	1		
22150		10-1/4	1-1/4		
22300		10	1-1/2		
22450			1-3/4		
22600		9-1/2	2		
22750			2-1/4		
22900			2-1/2		
23000	22-1/16	10-1/2	1		
23150		10	1-3/4		
23300			2		
23450		9-1/2	2-3/4		
23600			3		3
24000	22-11/16	10-1/2	1-1/4		2
24150		10	2-1/2		
24300			2-3/4		
24450			3		
24600		9-1/2	3-1/4		
25000	23-7/16	10	3		3
25150			3-1/2		
25300		9-1/2	4		

Fig. 21—Available Sizes of Universal Binders