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**DRY CELLS AND DRY BATTERIES
(INCLUDING BATTERY BOXES)**

INSTALLATION

1. INTRODUCTION

1.01 This section covers the installation of dry cells, dry batteries, and battery boxes.

2. INSTALLATION

2.01 When selecting a location, consider the following:

- (a) Safety while working.
- (b) Appearance of the adjacent surroundings.
- (c) Firm, dry mounting surface away from excessive heat.

2.02 If the equipment assembly does not provide for battery mounting, use equipment covered herein. When installing:

- (a) Connect battery to equipment with inside wire or wiring cable.
- (b) Wire between cells with insulated wire or No. 540 cord leaving slack to permit inspection.
- (c) Mark date of installation in space provided on battery.

2.03 *Unit-type dry battery case* (Fig. 1) provides two knockout holes for mounting.

- (a) Place two No. 8 RH blued wood screws in surface to correspond with knockouts. Allow screwheads to project 1/4 inch from surface.
- (b) Hang battery on screwheads. Battery may be mounted in a horizontal or vertical position.

2.04 Black metal *battery boxes 1A, 2A, and 2B* are intended for holding KS-6542 (Blue Bell) dry cells.

- (a) Fig. 2 shows the battery box.
- (b) Table A provides information on the individual boxes.

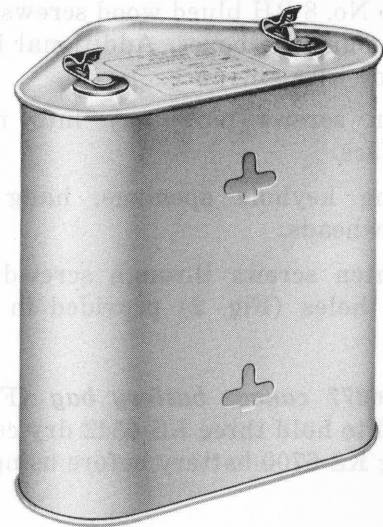


Fig. 1 - KS-6700 Unit-type Dry Battery Case



Fig. 2 - Metal Battery Box

TABLE A
BATTERY BOXES

BOX	HEIGHT	WIDTH	DEPTH	CELL CAPACITY
	INCHES			
1A	7-1/2	9-1/4	3-1/4	3
2A	7-3/8	12-1/4	3-1/4	4
2B	7-5/8	14-1/4	5-3/4	9

2.05 Two No. 8 RH blued wood screws are used to mount the boxes. Additional holes are provided for wire entrance.

- (a) Turn screws part way into mounting surface.
- (b) Using keyhole openings, hang box on screwheads.
- (c) Tighten screws through screwdriver access holes (Fig. 2) provided in front of box.

2.06 *KS-6677 canvas battery bag* (Fig. 3) is used to hold three KS-6542 dry cells. Consider using KS-6700 battery before using battery bag.

- (a) Place two No. 8 RH blued wood screws in surface with screwheads tilted upward.
- (b) Allow screwheads to project 1/4 inch from surface.
- (c) Hang battery bag on screwheads.

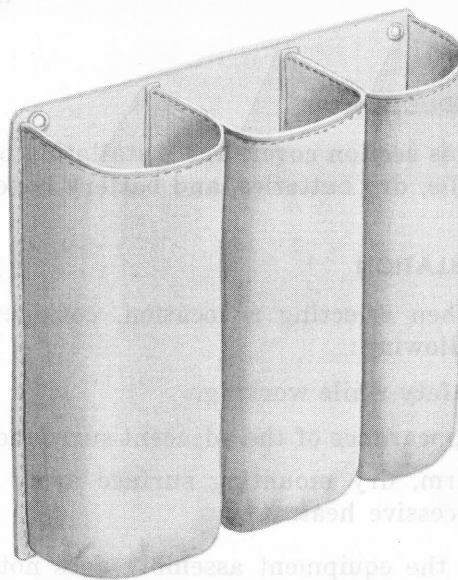


Fig. 3 – KS-6677 Battery Bag

