

**OUTSIDE PLANT
GUARDING WORK AREAS
STANDARD WARNING DEVICES
DESCRIPTION AND USE**

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1. GENERAL

1.01 This section contains a list of Bell System standard warning devices for use in the protection of work areas. This list may be supplemented by locally approved warning devices. For the proper use of these warning devices, refer to Section 620-135-010.

1.02 This section is reissued to include the B sign stand and the B sign panel which supersede the F warning sign and to include the D traffic cone which supersedes the C traffic cone. Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

1.03 The B sign panel (Fig. 1) is a diamond-shaped aluminum panel hinged for folding and storage with the words "**MEN WORKING**" in black letters on an orange reflective background. The panel is available in 30- by 30-inch and 36- by 36-inch sizes.

1.04 The B sign stand (Fig. 2) is a portable folding stand for use with either size B sign panel. The stand is an "A frame" design using extension springs to permit panel deflection and reduce wind drag. Two aluminum telescoping tubes held in position by thumb screws provide a warning level of up to 110 inches when using the 36- by 36-inch panel. The top of the tube will accommodate two warning flags and a warning light. When folded, both the 30-inch and 36-inch sign panels may be stored within the framework of the stand.

1.05 The D traffic cone replaces the C traffic cone and is available in the 28-inch height only. It is equipped with a 4-inch reflective band permitting use during hours of darkness.

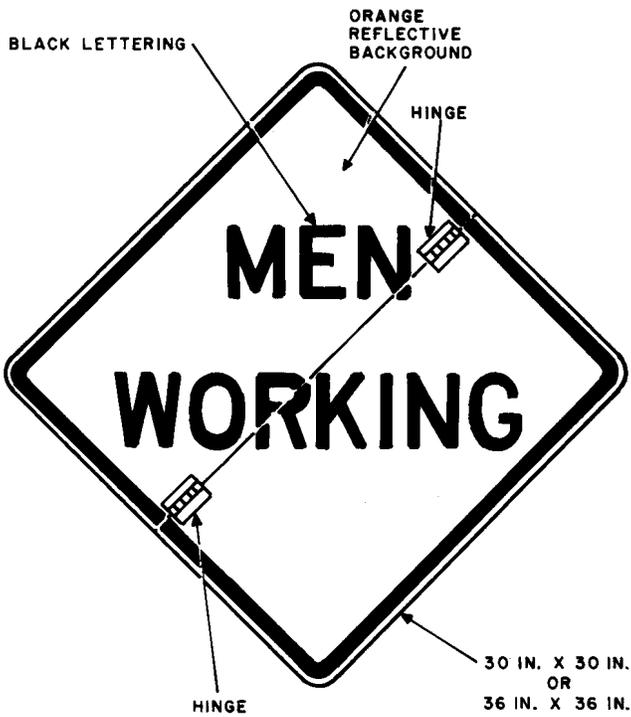
2. WARNING DEVICES

2.01 The standard warning devices for guarding work areas, including a brief description and use, are shown in Fig. 1 through 28.

2.02 Figures 26 through 28 illustrate some of the possible combinations of standard warning devices.

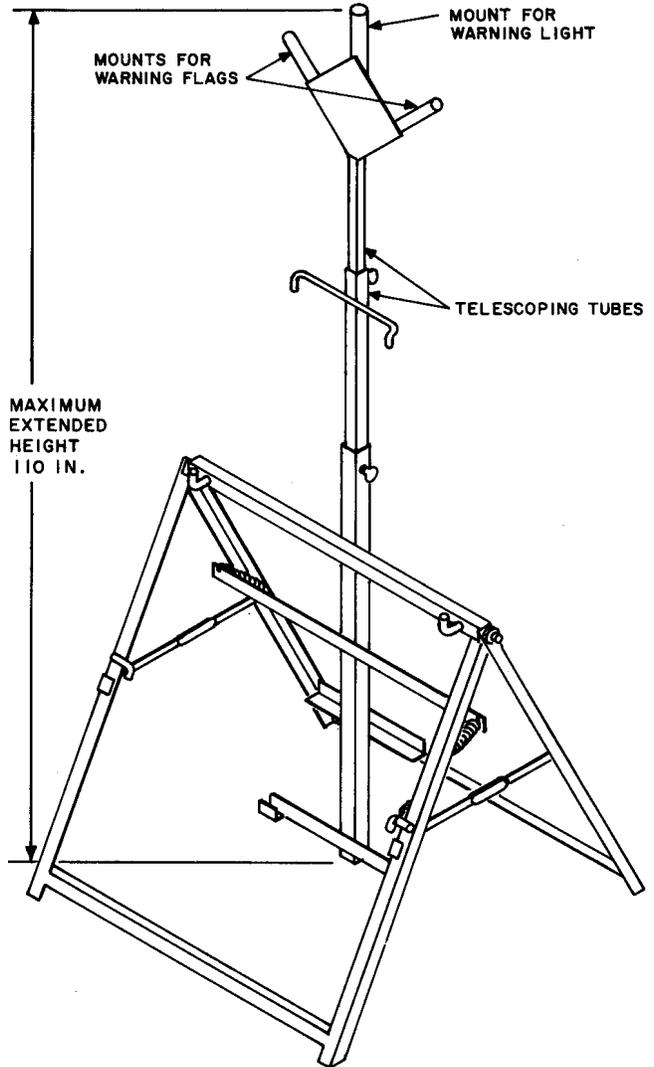
NOTICE

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NOTE:
FOR USE AS A WARNING TO TRAFFIC

Fig. 1—B Sign Panel



NOTE:
PORTABLE FOLDING STAND FOR USE WITH B SIGN PANEL

Fig. 2—B Sign Stand

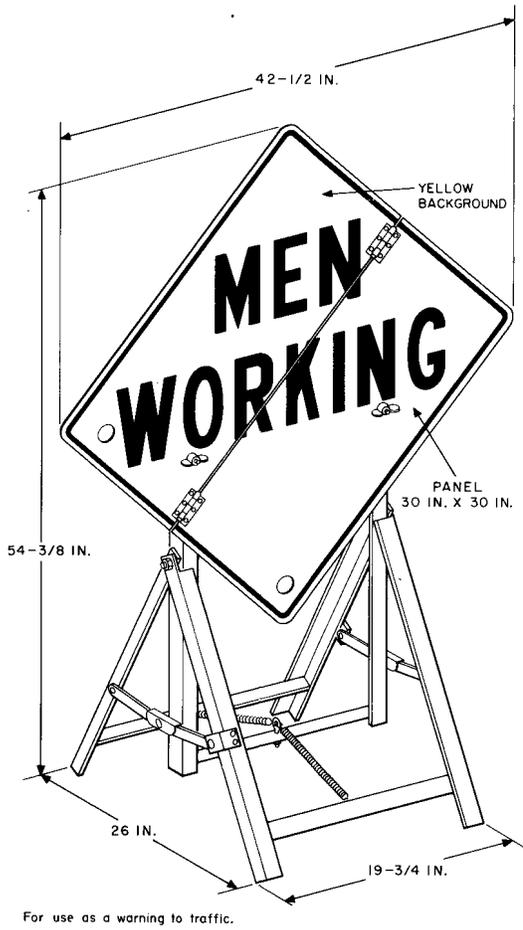
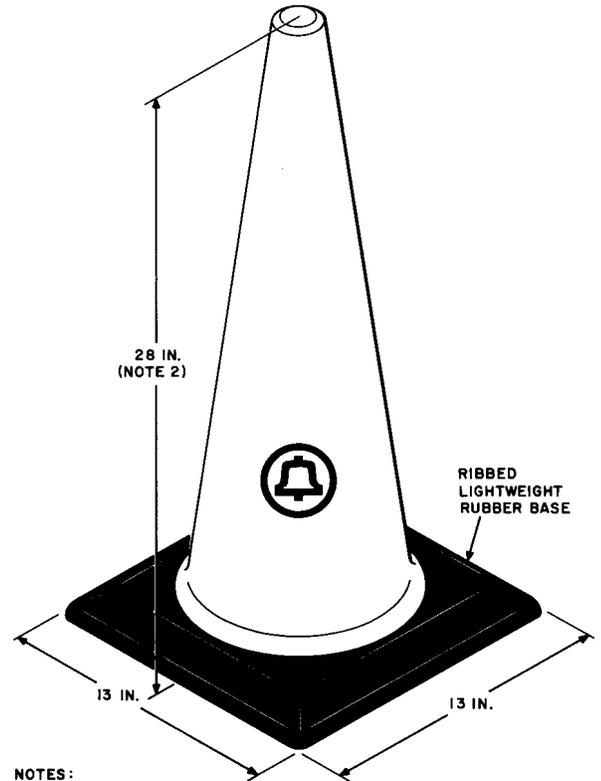


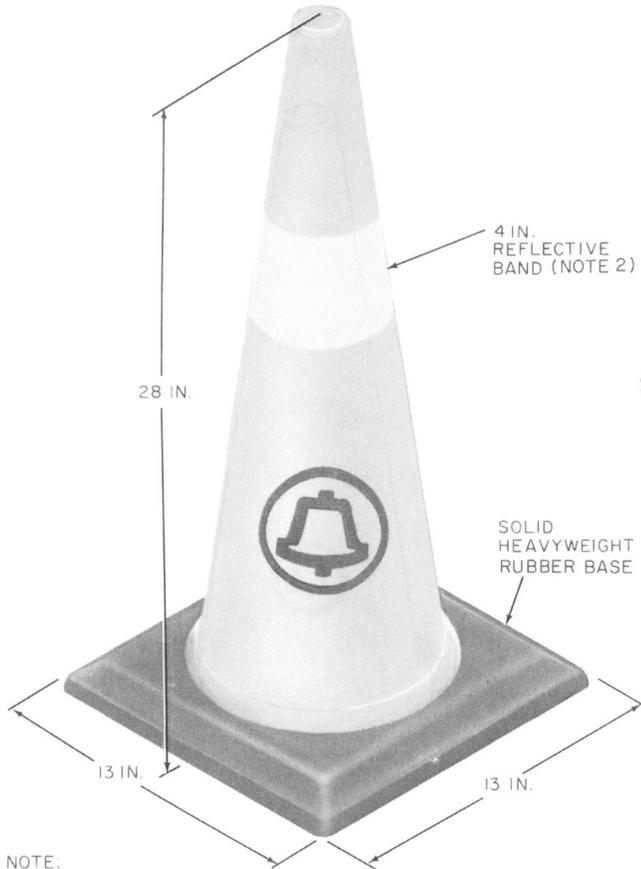
Fig. 3—F Warning Sign (Mfr Disc)



NOTES:

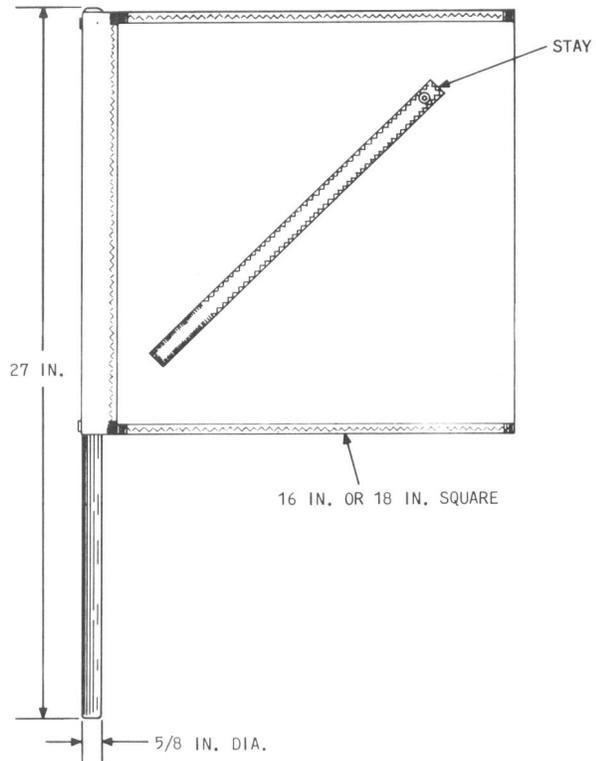
1. RED FLUORESCENT PLASTIC CONE FOR USE IN GIVING DRIVERS OF VEHICLES ADVANCE NOTICE AS THEY ARE APPROACHING WORK AREAS AND TO GUIDE TRAFFIC GRADUALLY INTO CHANNELS AROUND THESE LOCATIONS WITH MINIMUM CONGESTION.
2. ALSO AVAILABLE IN 18 IN. CONE WITH 13 IN. SQUARE BASE.

Fig. 4—B Traffic Cone



- NOTE:
1. RED FLUORESCENT PLASTIC CONE FOR USE IN GIVING DRIVERS OF VEHICLES ADVANCE NOTICE AS THEY ARE APPROACHING WORK AREAS AND TO GUIDE TRAFFIC GRADUALLY INTO CHANNELS AROUND THESE LOCATIONS WITH MINIMUM CONGESTION.
 2. PERMITS USE OF CONE DURING HOURS OF DARKNESS.

Fig. 5—D Traffic Cone



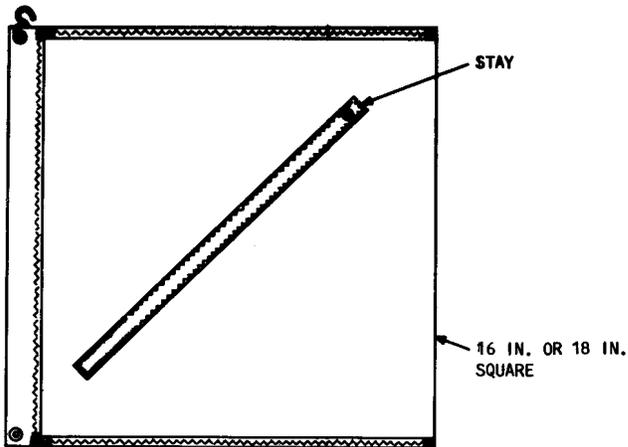
- D WARNING FLAG (MD)
 FOR USE AS A WARNING FLAG EITHER BY FLAGMAN OR ON D WARNING MAST, WARNING MAST ADAPTER, WARNING SIGN, DEMOUNTABLE WARNING SIGN OR WARNING FLAG BASE. AVAILABLE IN RED COTTON CLOTH SIZES 16 IN. AND 18 IN.
- H WARNING FLAG - 18 IN. SIZE ONLY.
 SAME AS D WARNING FLAG EXCEPT IN RED VINYL COATED NYLON.

Fig. 7—D and H Warning Flags



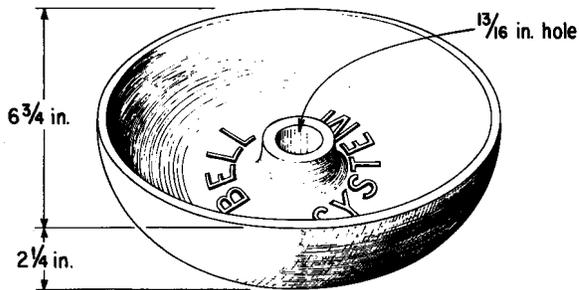
For use as a warning to prevent accidents in or near manholes. Consists of aluminum plate with spring hooks for attaching to manhole guards.

Fig. 6—B No Smoking Sign



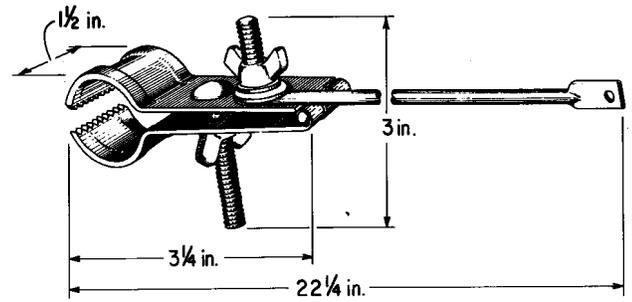
- C WARNING FLAG (MD)
FOR USE WITH A B WARNING FLAG BRACKET OR WARNING FLAG CHAIN AS A WARNING FLAG. AVAILABLE IN RED COTTON CLOTH IN SIZES 16 IN. AND 18 IN.
- G WARNING FLAG-18 IN. SIZE ONLY.
SAME AS C WARNING FLAG EXCEPT IN RED VINYL COATED NYLON.

Fig. 8—C and G Warning Flags



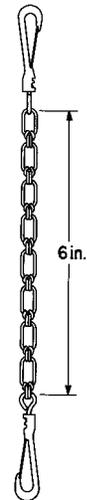
For use in supporting the D or H Warning Flag in an upright position on the ground. Made of cast iron and, with convex surface down, the base is self righting. Weight about 8 lbs.

Fig. 9—B Warning Flag Base



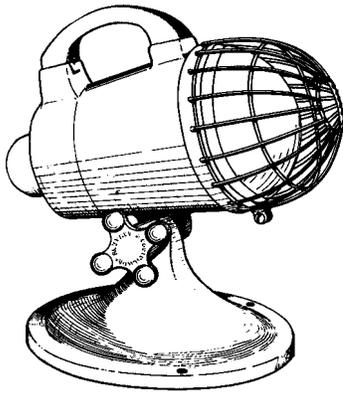
For use in mounting C and G 16 in. and 18 in. Warning Flags on warning masts, manhole guards, barricades, B Warning Signs, ladders, etc.

Fig. 10—B Warning Flag Bracket



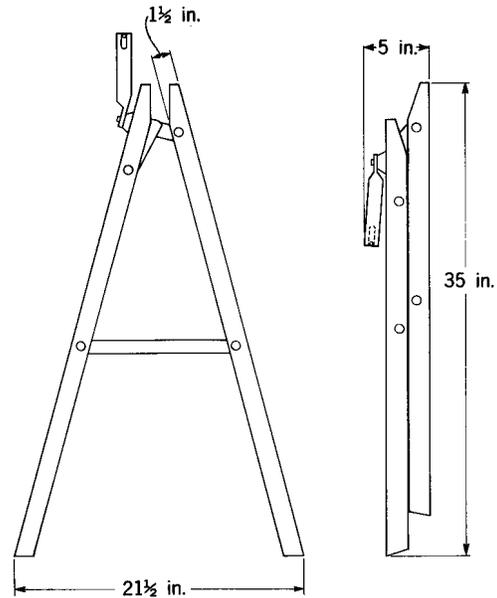
For use in suspending the C & G Warning Flag from tools and materials that overhang on trucks.

Fig. 11—Warning Flag Chain (Mfr Disc)



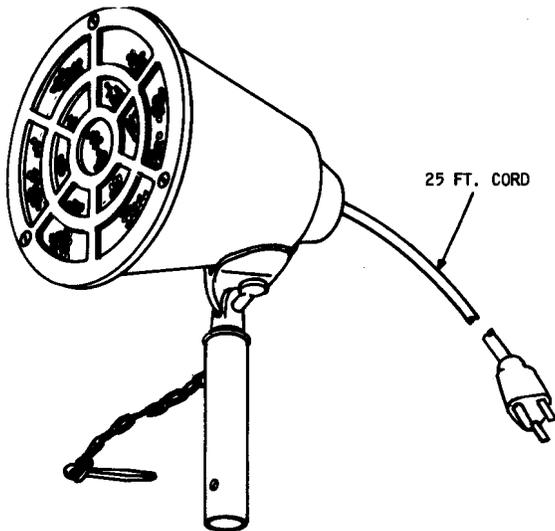
For use in lighting work areas and objects located in work areas. A 3-wire extension cord (25 feet) is required with this floodlight. Operates from 120 volt AC power source.

Fig. 12—300-Watt Floodlight



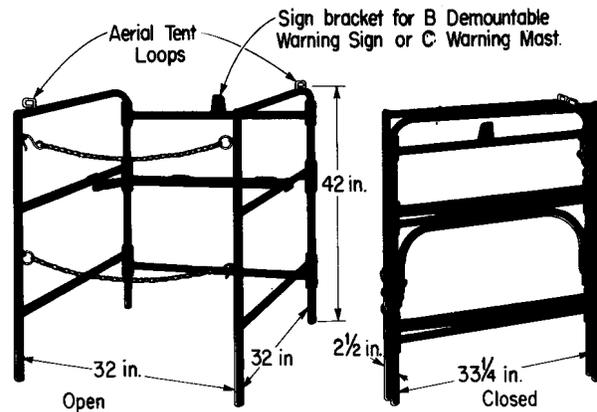
For use in pairs, with a wood board (not furnished) 1 to 2 1/2 inches thick, in protecting work areas. Consists of two collapsible "A" frames made of steel. Each "A" frame is provided with a flag socket and lantern hook.

Fig. 14—B Barricade



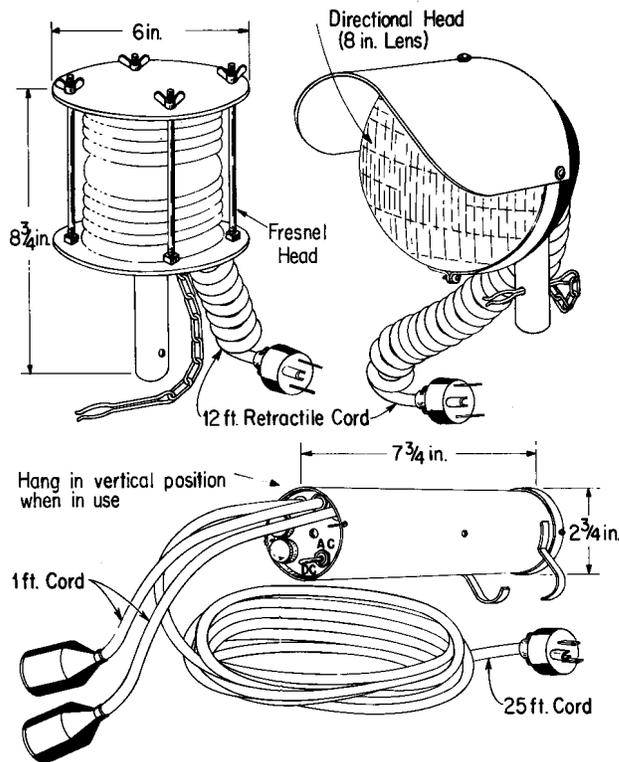
FOR USE IN LIGHTING WORK AREAS AND OBJECTS LOCATED IN WORK AREAS. CAN BE MOUNTED ON TOP OF D WARNING MAST, B WARNING MAST ADAPTER, OR WITH A B WARNING MAST BRACKET CAN BE MOUNTED BELOW THE TOP OF THE MAST. SEE SECTION 081-340-102

Fig. 13—B Floodlight (150 Watts)



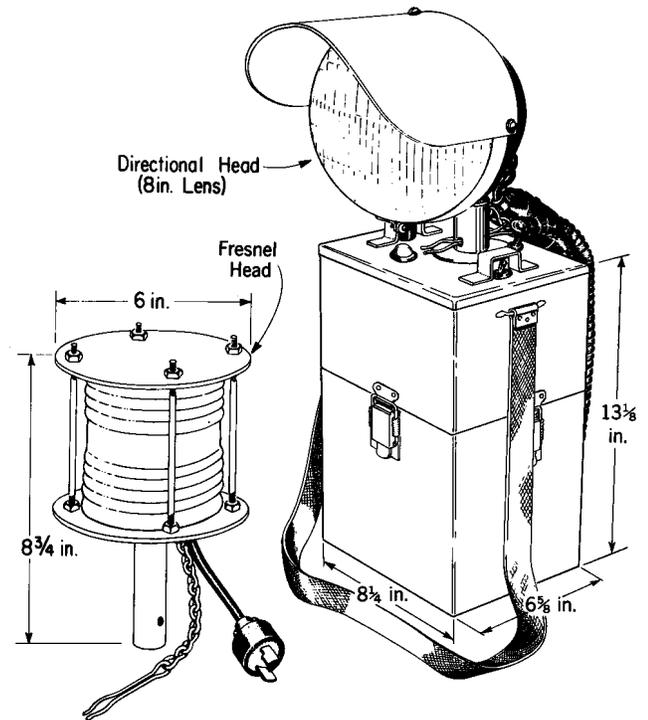
For use in guarding open manholes and other small obstructions. May be used as a barricade or warning device. Made of 3/4 in. steel pipe.

Fig. 15—Manhole Guard



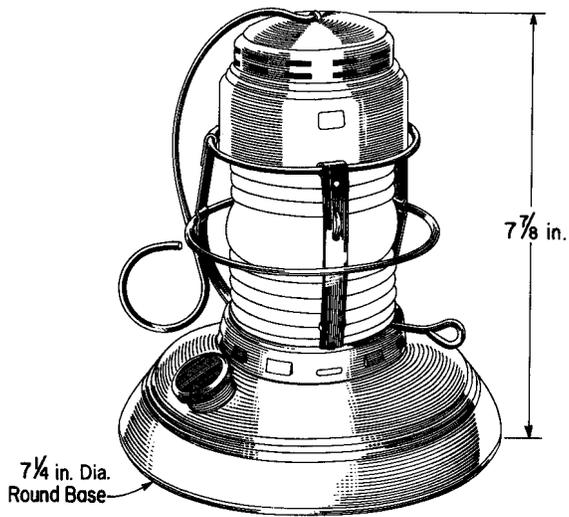
For use with D Warning Mast and 120 Volt AC or DC Power Source. Also Flasher Heads (Red or Amber Lenses) will fit B Warning Mast Bracket or Adapter. Flasher unit will operate one or two flasher heads. See Section 081-200-102

Fig. 16—C Warning Flasher



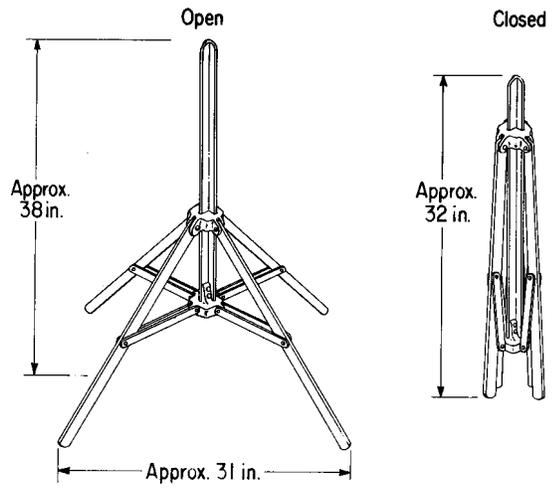
The D Warning Flasher supersedes the B Warning Flasher. For use with a D Warning Mast or B Warning Stand to warn traffic. Operated with 5-45 volt dry batteries (KS-14757). Has a booster switch, which increases the useful life of the batteries. Heads are interchangeable with the B Flasher. Operating instructions given on case. See Section 081-200-102.

Fig. 17—D Warning Flasher



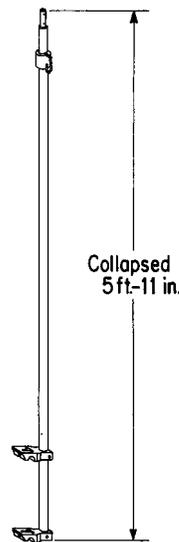
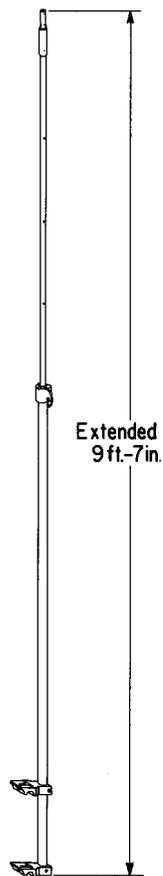
For use as a stationary warning signal. It is equipped with a Fresnel globe. Clear or Ruby globes are available.

Fig. 18—Kerosene Lantern



For use in conjunction with the D Warning Mast for supporting the B, C or D Warning Flasher, also as a base for the Demountable Warning Sign.

Fig. 19—B Warning Stand



For use with B Warning Stand or Manhole Guard as a support for the warning flasher and warning flags. A choice of heights from 8 feet to 12 feet in one foot steps is available. Accommodates B Warning Mast Adapter and B Warning Mast Bracket.

Fig. 20—C Warning Mast (Mfr Disc)

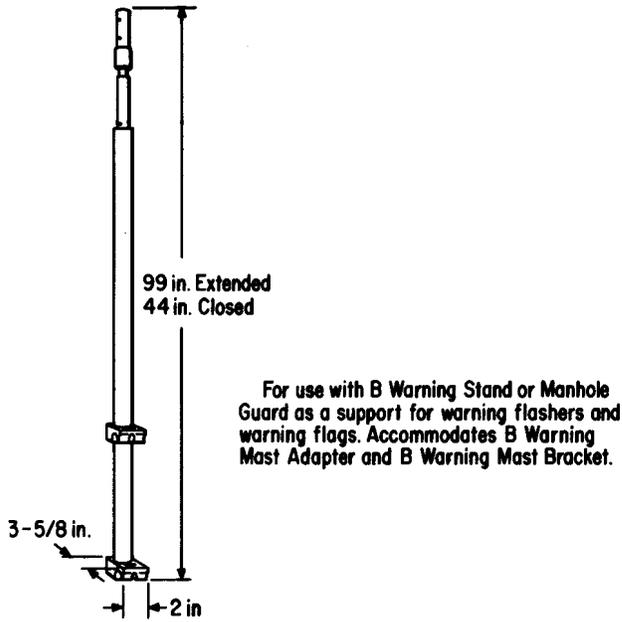
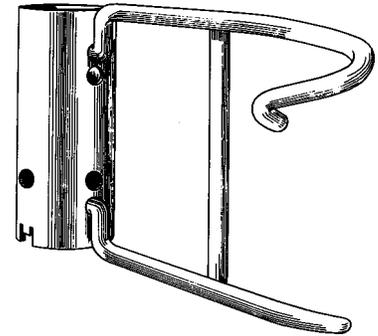
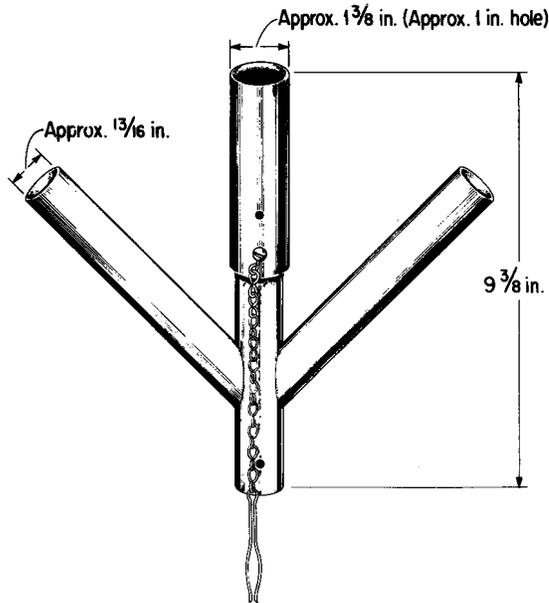


Fig. 21—D Warning Mast



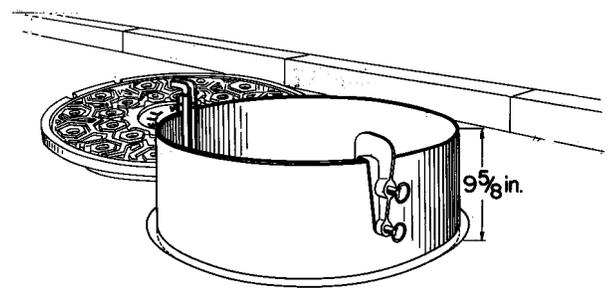
For use in mounting B Floodlight or a warning flasher head on D Warning Mast at heights below the top mast.

Fig. 23—B Warning Mast Bracket



For use on top of D Warning Mast for mounting three warning flags or two warning flags and a warning flasher head.

Fig. 22—B Warning Mast Adapter



For use in keeping surface water, dirt, rocks and other objects from falling into open manholes. Adjustable to fit seats of manhole frames ranging from 24 in. to 36 in. diameter. See Section 081-215-100.

Fig. 24—B Manhole Shield (Natural Color) and C Manhole Shield (Yellow Color)

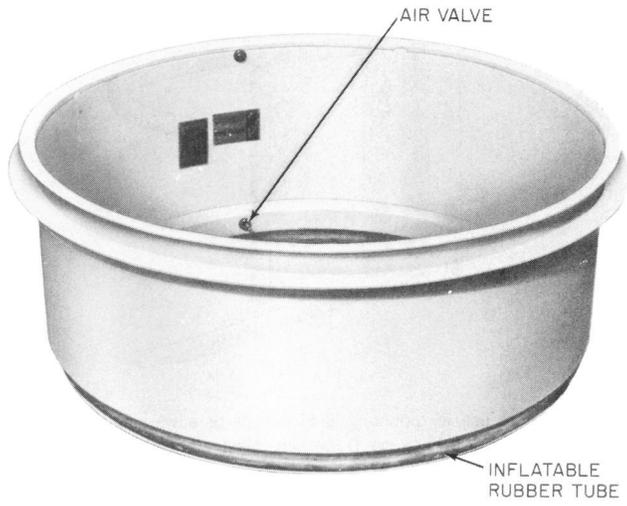


Fig. 25—D Manhole Shield

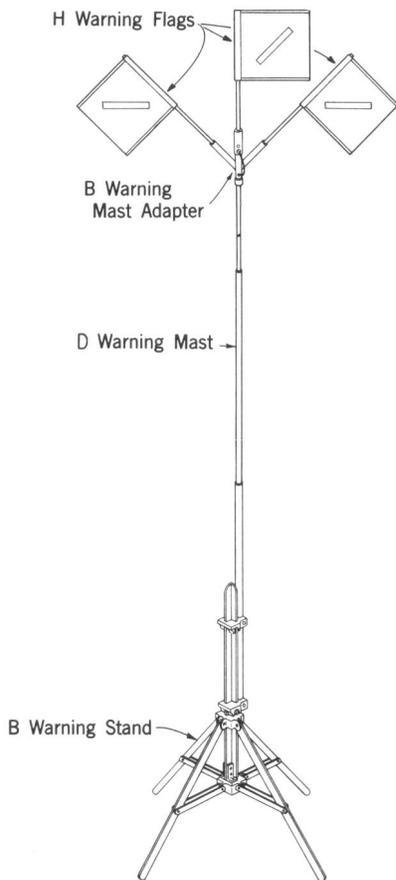


Fig. 26—Combining Nonilluminated Warning Devices

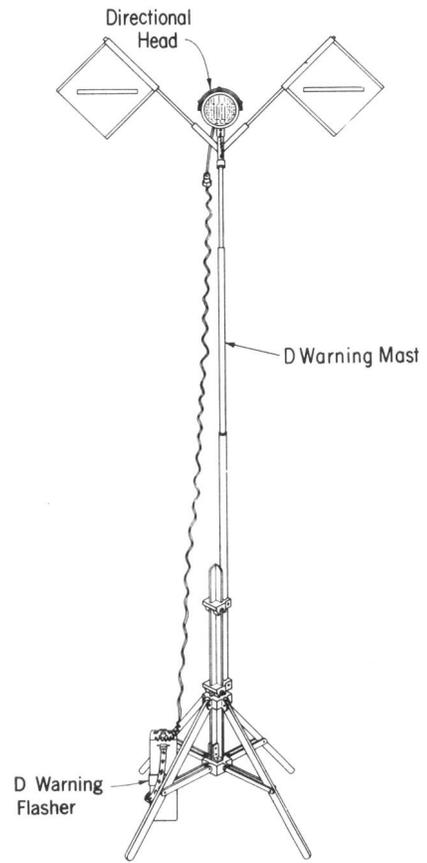


Fig. 27—Combining Illuminated and Nonilluminated Warning Devices

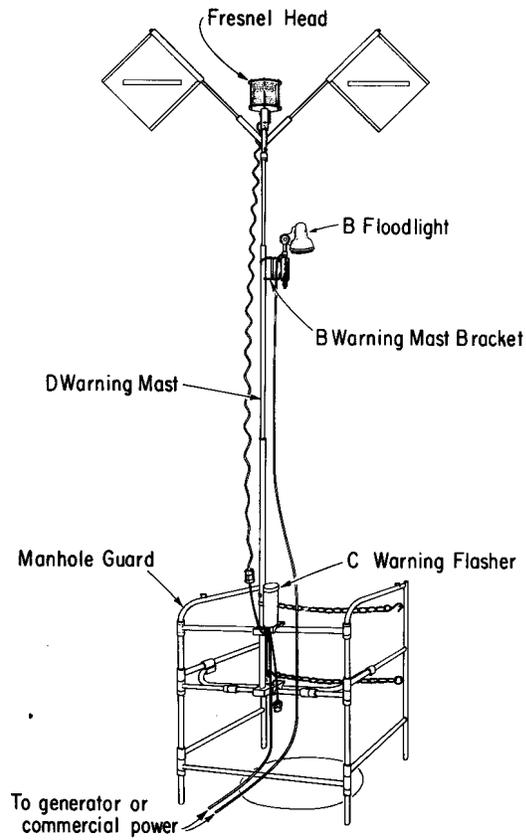


Fig. 28—Warning Devices Used With Manhole Guard