A. J. McQUAIDE.

SIGNAL.

APPLICATION FILED DEC. 19, 1913.

1,158,950. Patented Nov. 2, 1915.

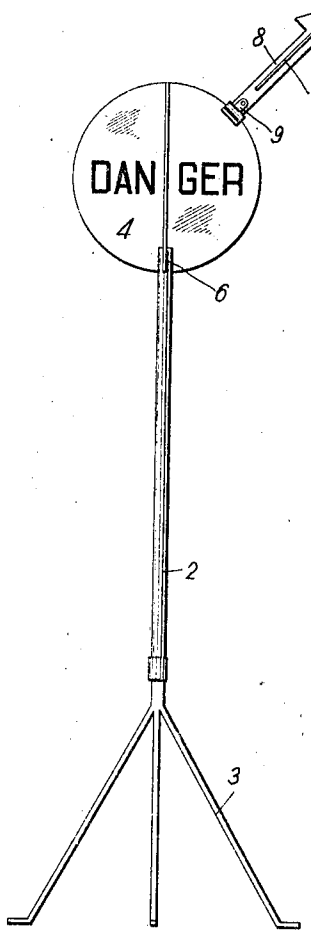


FIG. 1

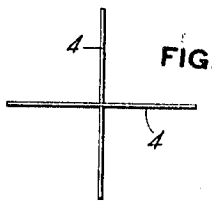


FIG. 3

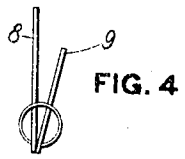


FIG. 4

FIG. 5

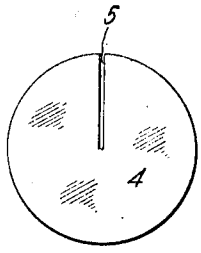


FIG. 2

WITNESSES

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UNITED STATES PATENT OFFICE.

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SIGNAL.

1,158,950. Specification of Letters Patent. Patented Nov. 2, 1915.

Application filed December 19, 1913. Serial No. 807,748.

To all whom it may concern:

Be it known that I, ARTHUR J. McQUAIDE, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a new and useful Signal, of which the following is a specification.

My invention relates to appliances employed in giving visual warning of the presence of danger, and indicating approach to the source of danger.

One object of the invention is to provide a danger signal of simple construction having novel means for calling attention to and showing the presence of danger.

Another object of the invention is to provide a danger signal of improved construction having adjustable means whereby the direction of the source of danger is indicated.

Still further objects of the invention consists in the novel construction and arrangement of the parts of my improved apparatus, as will be more fully described and more specifically pointed out hereinafter.

Referring to the drawings forming part of this specification, Figure 1 is an elevation showing one form of danger signal as constructed and arranged in accordance with my invention. Fig. 2 is a plan showing in detail the construction of the disks forming part of my improved appliance. Fig. 3 is a top plan showing the manner of assembling the disks in accordance with this invention. Fig. 4 is a detail elevation showing a preferred form of clamping mechanism by which the detachable arrow forming part of my improved apparatus is adjusted and is held in adjusted position on the signaling apparatus in accordance with this invention. Fig. 5 is an elevation showing a signaling apparatus having a modified form of staff or support, as constructed in accordance with this invention.

In the accompanying drawings, the numeral 2 designates a support or staff having a tripod 3 secured on the lower end thereof to form a wide base for maintaining the staff in upright position, and secured in the slotted upper end of the staff 2 is a plurality of circular disks 4 having flat surfaces. Each of the disks 4 has a radially extending slot 5 therein, (see Fig. 2) which extends from the diametral center of the disk to the periphery thereof, and which is of a width substantially the same as the thickness of the disks.

As will be seen from Figs. 1, 3 and 5, the disks 4 are positioned with respect to each other in such manner that, when assembled, the flat surfaces of these disks extend in planes at right angles to one another, and the diametral centers of the assembled disks are in the same horizontal plane. When assembled in this manner, the sides defining the width of the slot 5 in each disk embrace and are in engagement with adjacent portions of the flat surfaces of the other disk. The slots 6 provided in the upper ends of the staff 2 extend at right angles and are made of such size as will embrace the assembled disks so as to secure them in upright position in the manner shown in Fig. 1, and maintain the disks in such position when in use.

In the construction of Fig. 5, the disks 4 are constructed in the same manner as has been described. In this construction a bent arm 7 is employed to form the staff and the upper end of this staff is bent to extend horizontally and then vertically downward, so that the disks 4 are suspended from the downwardly extending, uppermost end of this staff.

The disks 4 are preferably made of steel or iron, and are enameled or painted on each surface in a striking and distinctive manner, generally being colored red, with the word "Danger" in white letters usually applied to each face of the disks. These letters, which are of substantial size, are in this way visible from any angle.

Frequently the source of danger of which warning is to be given, is overhead, or may be below the surface, and in such cases the arrow 8 is adjustably secured on the disks so as to point in the direction of the source of danger. As shown, this arrow comprises a clamping member 9 secured to the rear end or tail of the arrow, with a head 10 on the other end. The arrow is slotted for a portion of its length from the front end toward the tail end, and a similarly slotted arrow 11 is secured thereon so that its plane faces extend in planes at right angles to those of the other arrow. This arrow also is enameled or painted a distinctive color.

In the operation of my improved apparatus, the signal is erected adjacent to the source of danger, and being portable is readily placed in position. When the source of danger is overhead or below the signal, the arrow 8 is secured on one of the disks 4

so as to point to or indicate the direction of the source of danger.

The advantages of my invention will be apparent to those skilled in the art. The apparatus is simple and is easily and cheaply made. By its use the liability of accident and injury to workmen in dangerous locations is lessened and prevented.

Modifications in the construction and arrangement of the parts may be made without departing from my invention as defined in the claims.

I claim:—

1. In a danger signal, the combination with a disk having flat surfaces bearing a warning notice thereon and a staff to which said disk is fastened, of an arrow removably secured on the disk and arranged to be adjusted thereon to indicate the direction of sources of danger.

2. In a danger signal, the combination with a disk having flat surfaces bearing a warning notice thereon and a staff to which said disk is fastened, of an adjustable arrow detachably secured on the disk, and arranged to be adjusted thereon to indicate the direction of sources of danger.

In testimony whereof, I have hereunto set my hand.

ARTHUR J. McQUAIDE.

Witnesses:
MARY McCANN,
LOUISE RAEKLE.