S. A. SHINDEL.

SAFETY SIGNAL.

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1,174,360. Patented Mar. 7, 1916.

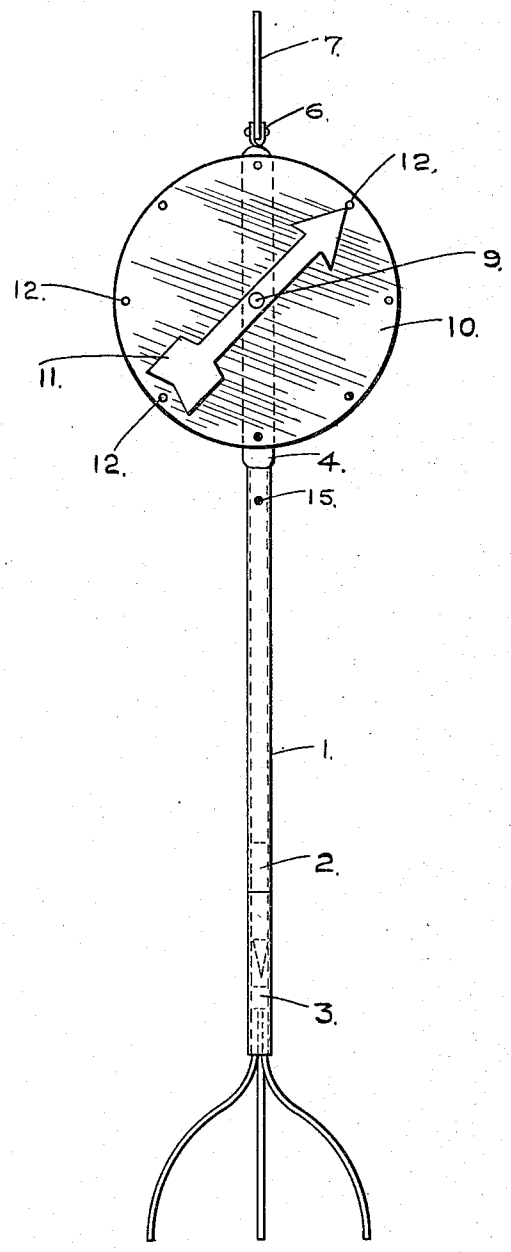


FIG. 1.

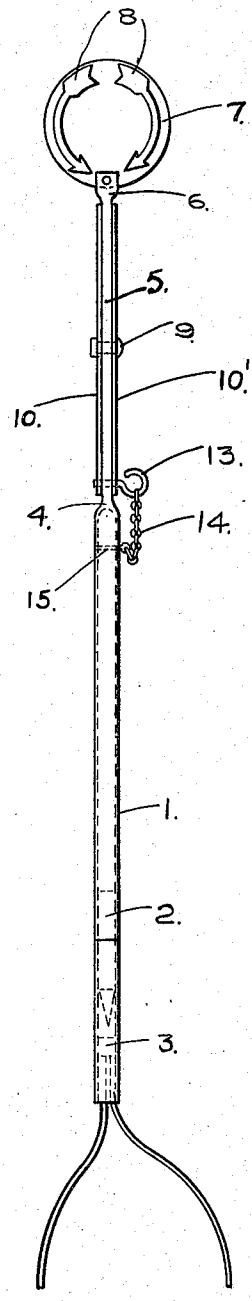


FIG. 2.

WITNESSES

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SAFETY-SIGNAL.

1,174,360. Specification of Letters Patent. Patented Mar. 7, 1916.

Application filed February 18, 1914. Serial No. 819,435.

To all whom it may concern:

Be it known that I, STEPHEN A. SHINDEL, a citizen of the United States, residing at Sharon, in the county of Mercer and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Signals, of which the following is a specification.

This invention relates to an improvement in signals.

The object thereof is the provision of a device to be used in and about industrial works and similar places to indicate to workmen and others the proximity of dangerous operations or machinery.

A further object is the provision of such a device that can be readily transported to a proper locality and the indicator thereof so adjusted as to direct the attention of any person, without the aid of any inscription, to the point from which danger might be expected.

Other provisions and features of the invention will appear from the drawing, the specification describing the same and the claims appended thereto, in which are set forth the combination of elements, arrangements of parts and specific structural details properly comprised within the scope of the same.

In the drawing, Figure 1, is a front elevation of my device; Fig. 2, is a side elevation of the same.

Referring now to the two figures of the drawing in which like reference characters designate like parts, (1) is a metal tube or pipe having inserted in the lower end thereof a pointed spike (2). A tripod (3) is adapted at the upper end to receive the lower end of spike (2). Pipe (1) is constricted at point (4) into the flat portion (5). At the upper end of this portion (5) is provided a seat (6) for a circular disk (7). The disk (7) is provided on both sides with a pair of curved and downwardly pointing arrows (8). The arrows are in white enamel and the back ground in red enamel.

Midway of the member (5) I provide a pivot (9), secured to the outer ends of said pivot and being thereby rotatably mounted on said member (5) are the disks 10, 10′. These disks are of a diameter of approximately twice that of disk (7). Said disks are in red enamel and have extending across the face thereof in line with a diameter a white enameled arrow (11), said arrow extending approximately across the face of the disk. The disks (10, 10′) bear a fixed relation to each other by reason of their being rigidly secured to the pivot (9) and the arrow on one disk is superposed to that on the other.

At the point of the arrow (11) and other points close to the perimeter of the disks are a plurality of perforations (12), in the present instance eight. These perforations are spaced an equal distance apart and those in the disk 10 register with those in the disk (10′). In the lower part of the member (5) is a hole adapted to register with any of the perforations (12). A pin (13) is fastened by a chain (14) to fixed member (15) in the pipe (1).

It will be observed from the foregoing description that the signal when approached from any direction presents a red surface—a commonly accepted danger signal. In approaching from the side a permanent disk (7) directs the observer's attention to the large disks which are at right angle to the upper disk. The disks (10, 10′) which are similar in all respects are rotated to any point so that the arrow points toward the particular operation or machine from which the observer is warned, and when rotated to said point is secured in that position by the pin (13) being inserted in the perforation (12) which registers with the hole in the member (5).

It will be observed that the signal may be carried from one to another of any number of stands or where work is being carried on in an unusual place, the spike (2) may be simply thrust into the ground affording a temporary location for the signal.

I claim—

1. In a safety device, the combination of a standard, circular disks mounted thereon, one of said disks being rigidly secured at right angles to and above the other, said latter disk being rotatable, indicators on said disks and means operated at its periphery for locking the rotatable disk.

2. In a safety device, the combination of a standard, a circular disk rotatably mounted thereon, a second circular disk fixedly secured above the first disk and at right angles thereto, indicators on said

disks and means operative at its periphery for securing the first disk in any one of a predetermined plurality of positions.

3. In a safety device, the combination of a standard having thereon disks at right angles to each other, one of said disks being rigidly and the other rotatably mounted on said standard, arrows on the fixed disk pointing to the other, and an arrow on the latter extending across its face, and means operative at its periphery for locking said latter disk in any one of a plurality of positions.

4. In a safety device the combination of a standard, a disk fixedly secured thereto, a pair of disks fixedly secured to each other and rotatably mounted on the standard at right angles to the first disk, indicators on the latter pointing to the rotatable disks, indicators on the faces of the rotatable disks, said indicators being superposed in respect to each other, and means for locking said disks in any one of a plurality of positions.

5. In a safety device, the combination of a standard, a detachably connected support, a disk fixedly mounted on the standard, a pair of disks rigidly secured to each other and rotatably mounted on the standard at right angles to the fixed disks, indicators on either side of the latter disk pointing toward the rotatable disks, superposed indicators on the rotatable disks, and means for locking the rotatable disks with the standard.

In testimony whereof I affix my signature in presence of two witnesses.

STEPHEN A. SHINDEL.

Witnesses:
C. E. AGNEW, Jr.,
P. R. BACHMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."