B. WUTH.

TARGET FOR PLUMB BOB STRINGS.

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1,101,375. **Patented June 23, 1914.**

Fig. 1.

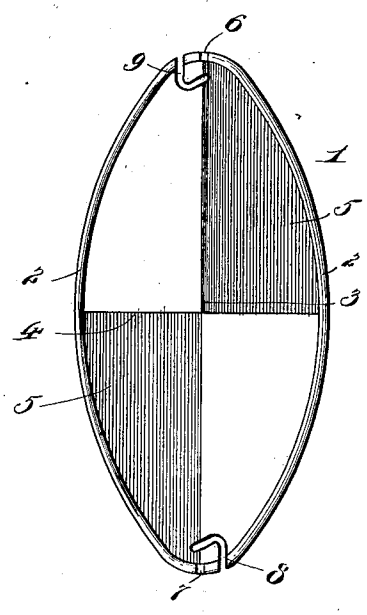
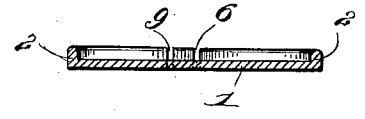


Fig. 2.



Witnesses

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TARGET FOR PLUMB-BOB STRINGS.

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To all whom it may concern:

Be it known that I, BERTHOLD WUTH, a citizen of the United States, residing at Winters, in the county of Yolo and State of California, have invented new and useful Improvements in Targets for Plumb-Bob Strings, of which the following is a specification.

The present invention relates to targets for use in connection with a plumb bob string to enable surveyors to take long sights without the inconvenience of carrying a range pole or sight rod.

In carrying out my invention it is my purpose to provide a target of this character which is extremely simple in construction and provides means whereby it may be easily and quickly secured upon a plumb bob string and also whereby it may be vertically adjusted upon said string.

For the purpose of explaining the invention the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

In the drawings, Figure 1 is a front elevation of a target constructed in accordance with the present invention. Fig. 2 is a transverse sectional view through the same.

The target comprises a flat member or plate of any desired material, and as shown, is of an elliptical formation.

The plate 1 has its edge provided with a continuous flange 2, and the plate proper is formed with a straight line 3 which is centrally intersected by a transverse line 4. When the device is in use, the line 3 is vertical, while the line 4 is horizontal. The plate between the diagonally opposite spaces provided by the lines 3 and 4 is colored, as indicated by the numerals 5, so that the target may be observed from a great distance and also whereby the intersecting lines are perceptible to the instrument or transit man.

The flange 2 at the ends of the line 3 is notched in the direction of the said line, the notches being indicated by the numerals 6 and 7, and the numerals 8 and 9 indicate substantially L-shaped slots which enter the plate from the opposite sides of the line 3 as well as from the opposite sides of the notches 6 and 7, the angular portions of the said slots extending beyond the line 3 a distance approximately equaling one-half of the thickness of a string for a plumb bob which is adapted to be inserted within the L-shaped slots and to be brought into engagement with the notches 6 and 7. The target is of a size to permit of the same being readily carried by the linesman to a proper distance from the instrument man or the spot to which the sight is to be taken. The linesman sees that the plumb bob string is in register with the vertical line 3 of the target. This cord may not be visible to the instrument man, but the coloring of the target is perceptible by the instrument, and when the target has its line 3 arranged in a vertical plane the linesman signals the instrument man who properly sets the vertical cross hair line of the instrument at the true point.

From the above it is thought the device and the method of using the same will be apparent without further detailed description.

Having thus described the invention what I claim is:—

A target for the purpose set forth comprising a flanged plate, said plate being provided with a vertical and a horizontal line, two of the diagonally opposite spaces provided by the intersecting lines being colored, the flange of the plate being notched adjacent the vertical line thereof, and the said flange and plate being provided with L-shaped slots which terminate adjacent the said vertical line substantially as and for the purpose set forth.

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

BERTHOLD WUTH.

Witnesses:

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