June 3, 1952 C. L. KICHER 2,599,111

SAFETY TAG HOLDER

Filed Feb. 19, 1948

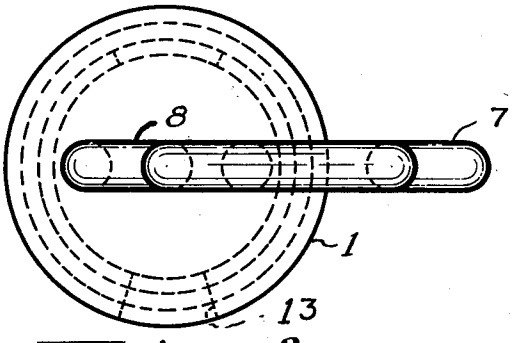


Fig. 2

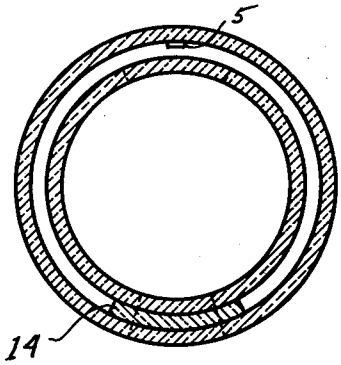


Fig. 3

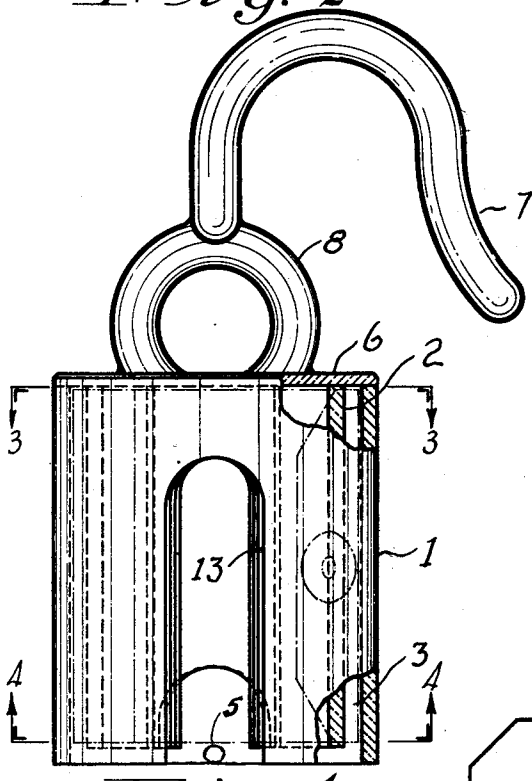


Fig. 1

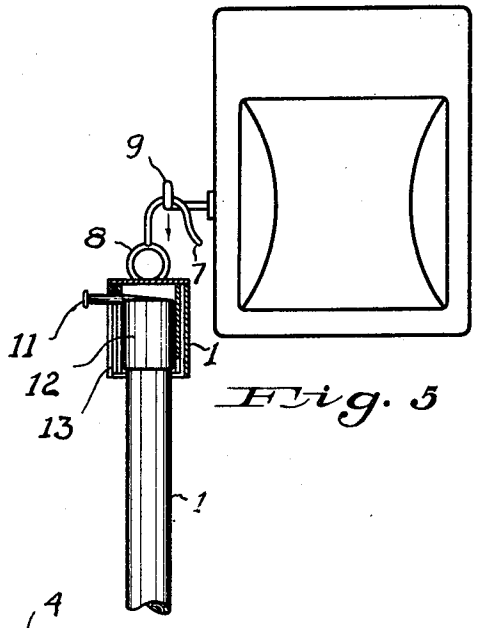


Fig. 5

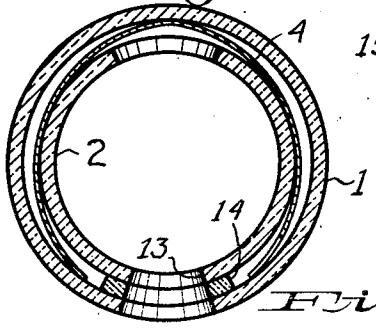


Fig. 4

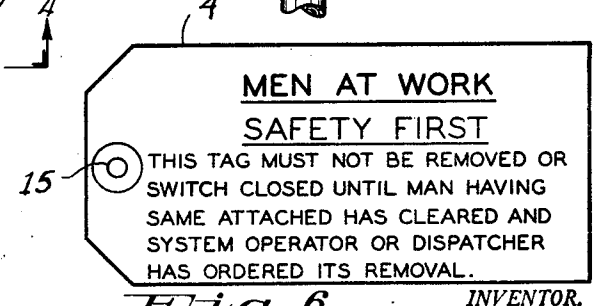


Fig. 6

INVENTOR.
Carl L. Kicher
BY William B. Jaspert
Attorney.

Patented June 3, 1952 2,599,111

UNITED STATES PATENT OFFICE

2,599,111

SAFETY TAG HOLDER

Carl L. Kicher, Punxsutawney, Pa.

Application February 19, 1948, Serial No. 9,461

1 Claim. (Cl. 40—19)

1

This invention relates to new and useful improvements in tag holders for use in indicating danger to workmen on power lines, and it is among the objects thereof to provide a tag holder which protects the tag from the elements and prevents accidental displacement of the tag from the holder.

The invention will become more apparent from a consideration of the accompanying drawing, constituting a part hereof, in which like reference characters designate like parts, and in which—

Fig. 1 is a front elevational view of a tag holder embodying the principles of this invention;

Fig. 2 a top plan view thereof;

Fig. 3 a cross sectional view, taken along the line 3—3, Fig. 1;

Fig. 4 a cross sectional view, taken along the line 4—4, Fig. 1;

Fig. 5 a front elevational view, partially in section, illustrating the application of the tag holder to a switch box; and

Fig. 6 a front elevational view of a safety tag employed in sub-station power line operations.

In the drawing, the numeral 1 designates a cylindrical housing made of plastic or other translucent material having a second cylindrical wall 2 spaced from the wall 1 to form a space 3 in which a tag 4, Fig. 6, is inserted by curving to fit the cylinder in the manner shown in Figs. 1 and 4, the tension of the tag serving to hold it in place once it has been inserted between the walls 1 and 2 of the tag holder. As a further assurance against displacement of the tag, a lug 5 may be provided on the bottom of the outer cylindrical wall 1. The two cylindrical walls 1 and 2 are joined by a cover 6 which is provided with a hook and an eye, 7 and 8, respectively, which serve to support the tag holder on the arm 9 of a switch box, as shown in Fig. 5, a pole 10 having a buttoned finger 11 being used for such purpose.

The tag holder is placed on a switch box by inserting the end 12 of the rod 10 which is of the size of the inner cylinder 2 of the tag holder with the finger resting in a vertical slot 13 which extends through both the outer and inner walls, a narrow strip of translucent material 14 being used as a spacer between the outer and inner walls on both sides of the slot 13 to give it rigidity and to maintain the cylinders 1 and 2 in proper spaced relation without placing too much stress at their connection with the cover member 6.

It is customary in sub-station work to utilize

2

red colored safety tags of the character shown in Fig. 6 of the drawing. The maintenance of these tags on the switches that are opened to permit work on the power lines which they control is vital to the life and safety of the workmen, and in the type of tag holders heretofore employed the tag was placed with the eyelet 15 over a lug of a bayonet shape fully exposed to the elements. Displacement of the tags from their lodged positions was a frequent occurrence, endangering the lives of the men working on the lines, and by means of the present invention the tags are clearly visible, are fully protected against rain, snow, sleet and wind, and will not dislodge from their proper position in the tag holders. By means of the slotted opening 13 the tag holder may be slipped over the cylindrical end 12 of the rod 10, as shown in Fig. 5. The buttoned finger 11 is then placed on the switch arm 9 to pull the switch, which places no tension on the tag holder parts. The tag holder hook 7 is then slipped over the switch arm 9 and the pole withdrawn. When the work has been completed and switch arm 9 is to be closed, the operator places the buttoned finger 11 in the eyelet 8 of the tag holder to lift the same from the switch arm 9. The tag holder is then removed from the finger 11 and the operator throws the switch with the pole and the buttoned finger 11 to the closed position. Thus all hazards of accidental displacement of the tag are eliminated.

Although one embodiment of the invention has been illustrated and described, it will be evident to those skilled in the art that various modifications may be made in the details of construction without departing from the principles herein set forth.

I claim:

A tag holder for power line substation safety tags comprising a double wall cylindrical housing having a top wall and a slotted socket for the end of a switch pole, the lower end of the housing being open and the outer wall of the housing being of translucent material for displaying a colored tag mounted between the double cylindrical walls, spacers for said double walls consisting of parallel strips on opposite sides of the slot in said socket, and a stop lug provided on the outer wall member opposite said slot for preventing displacement of the safety tag, said housing being provided with a hook and eye for attaching the same to a switch arm.

CARL L. KICHER.

(References on following page)

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
528,631	Green	Nov. 6, 1894
685,476	Huston	Oct. 29, 1901
1,553,702	Maclaren	Sept. 15, 1925
1,621,810	Rice	Mar. 22, 1927
1,636,778	Kiger	July 26, 1927
1,716,139	Kiger	June 4, 1929
2,000,419	Sarber	May 7, 1935
2,159,547	Bjorkquist	May 23, 1939
2,194,831	Marshall	Mar. 26, 1940