Aug. 7, 1928.

1,679,928

W. T. BIRDSALL

SLIDE HOLDER

Filed April 16, 1926

Fig. 1.

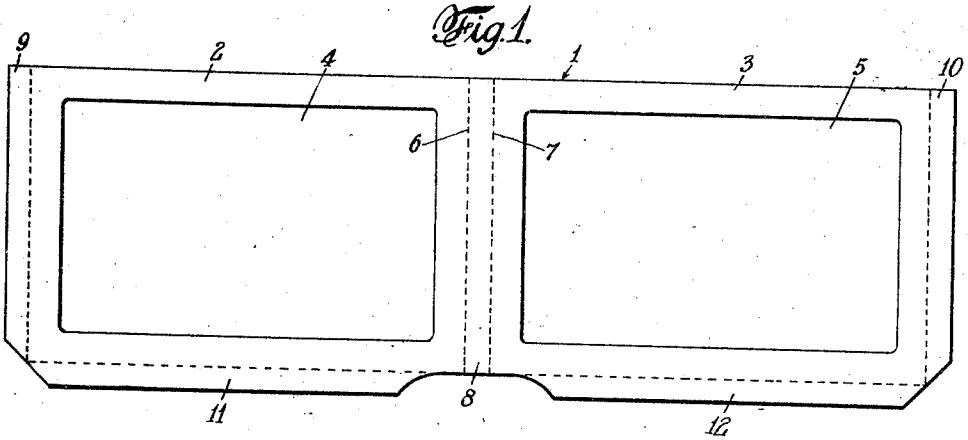


Fig. 2.

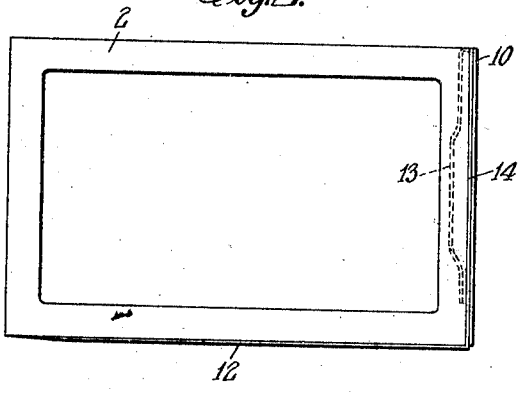


Fig. 3.

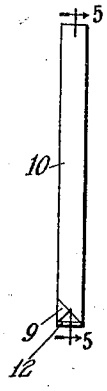


Fig. 4.

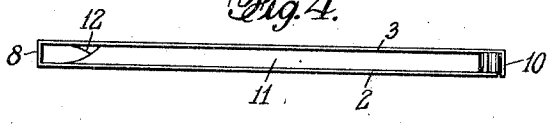


Fig. 5.

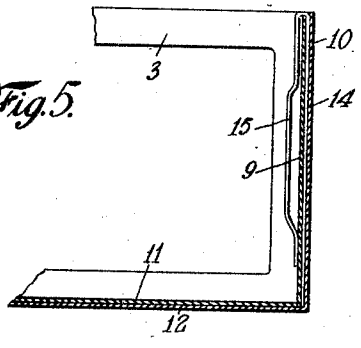
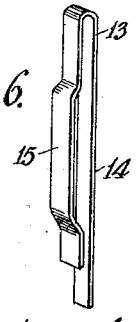


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILFRED T. BIRDSALL, OF MONTCLAIR, NEW JERSEY, ASSIGNOR TO TRANS-LUX DAYLIGHT PICTURE SCREEN CORPORATION, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

SLIDE HOLDER.

Application filed April 16, 1926. Serial No. 102,596.

This invention relates to a novel and improved slide holder, and has for its object to provide a device of that character which may be readily and efficiently made.

A further object of the invention is to provide a slide holder having secured thereto a spring which shall hold the slide holder in the carrier in the correct position, the spring being secured to the holder in a novel and improved manner.

The invention will be best understood by reference to the following description when taken in connection with the accompanying drawing in which:

Figure 1 is a view of the blank from which the slide holder is made.

Figure 2 is a plan view of the finished slide holder.

Figure 3 is an end view of the slide holder taken from the right of Figure 2.

Figure 4 is a side elevation of the holder as viewed from the top of Figure 2.

Figure 5 is a partial section on the line 5—5 of Figure 3.

Figure 6 is a perspective view of the spring employed in my slide holder.

Referring now to the drawings in detail, I preferably make my slide holder from one piece of sheet metal, indicated at 1 in Figure 1. This sheet is cut into the form shown in Figure 1 which comprises two plates 2 and 3 having the apertures 4 and 5 respectively. The blank may then be bent along the lines 6 and 7, so that the plates 2 and 3 are brought substantially parallel to each other, and so that the apertures 4 and 5 will register. The lines 6 and 7 are spaced apart a sufficient distance so that, when the blank is folded, there will be formed a side 8 of one piece with the plates and joining them together. This side 8 is sufficiently wide so that the plates 2 and 3 are spaced apart the proper distance to receive a slide therebetween.

The two plates 2 and 3 are provided with flanges, as indicated in Figure 1, and, when the blank is folded as described above, the end flanges 9 and 10 will fold over one another as indicated in Figures 4 and 5. Likewise, the plates are provided with the side flanges 11 and 12 which will also overlap, as best shown in Figure 5. When these flanges are bent to the overlapping position shown, they may be secured together by any suitable means, such as soldering, which may be very readily accomplished. It will be seen that the overlapping flanges lie substantially at right angles to the plates, and form sides of the recess within which a slide may be disposed.

In order to maintain a slide in position in the holder, I provide a spring 13, preferably of the hairpin type shown, and which has one leg 14 adapted to be inserted between the flanges 9 and 10. The other leg 15 may be conveniently bent into the form shown, so as to project into the holder a sufficient distance to resiliently maintain a slide in contact with the side 8. This spring is inserted in position before the flanges 9 and 10 are secured together, and then it will be evident that the spring is securely held in position.

One of the advantages of the above construction is that the holder may be made from one piece of sheet material at a minimum of expense for material and labor. The slide received in the holder may be viewed through either of the apertures 4 or 5, or the matter on the slide may be projected by use of a projector of usual construction.

Another advantage of this type of construction is that the slide in the holder may be inserted and removed from one side only, and it is held resiliently in position so as to make the danger of accidental movement very slight.

It is common practice to mount slide holders upon a conveyor, so that they will be brought one by one into position for projection upon a screen, and it is customary to mount the slides with their long dimension lengthwise of the conveyor. Therefore, by inserting and removing the slide from one of the longer sides of the holder, the danger of the slide falling out is minimized. The slides and holders, as they pass over a roller or the like during movement of the conveyor, are tipped lengthwise of the slides and oftentimes the slides fall out of the holders. This annoyance is avoided by my construction.

I am, of course, aware that various changes in detail may be made without departing from the scope of my invention, and I therefore do not intend to limit myself except by the appended claims.

I claim:

1. A slide holder comprising two plates formed of one piece of material folded over to bring said plates substantially parallel to each other to receive a slide therebetween, said plates each having overlapping flanges along certain of their edges and disposed substantially at right angles to said plates, and means for securing said flanges together to form sides of a recess adapted to receive a slide therein.

2. A slide holder comprising two plates formed of one piece of material folded over to bring said plates substantially parallel to each other to receive a slide therebetween, said plates having overlapping flanges along certain of their edges, means for securing said flanges together to form sides, and a spring secured between the flanges along one side and extending into the space between the plates and adapted to engage the edge of a slide received therebetween.

3. A slide holder comprising two plates formed of one piece of material folded over to bring said plates substantially parallel to each other to receive a slide therebetween, and a spring disposed between said plates and adapted to urge a slide against the side of the holder formed by said fold.

4. In combination, a slide holder formed of two plates adapted to receive a slide therebetween, said plates having overlapping flanges along one edge to form a side of the holder, and a hairpin spring having one leg disposed between said flanges and the other extending into the space between said plates.

5. A slide holder comprising two plates substantially parallel to each other to receive a slide therebetween, said plates each having overlapping flanges along certain of their edges and disposed substantially at right angles to said plates, and a hairpin spring having one leg disposed between said flanges and the other extending into the space between said plates.

In testimony whereof, I have affixed my signature to this specification.

WILFRED T. BIRDSALL.