F. H. & L. D. WARNER.

STEREOPTICON SLIDE CARRIER.

APPLICATION FILED APR. 4, 1911.

1,012,945. Patented Dec. 26, 1911.

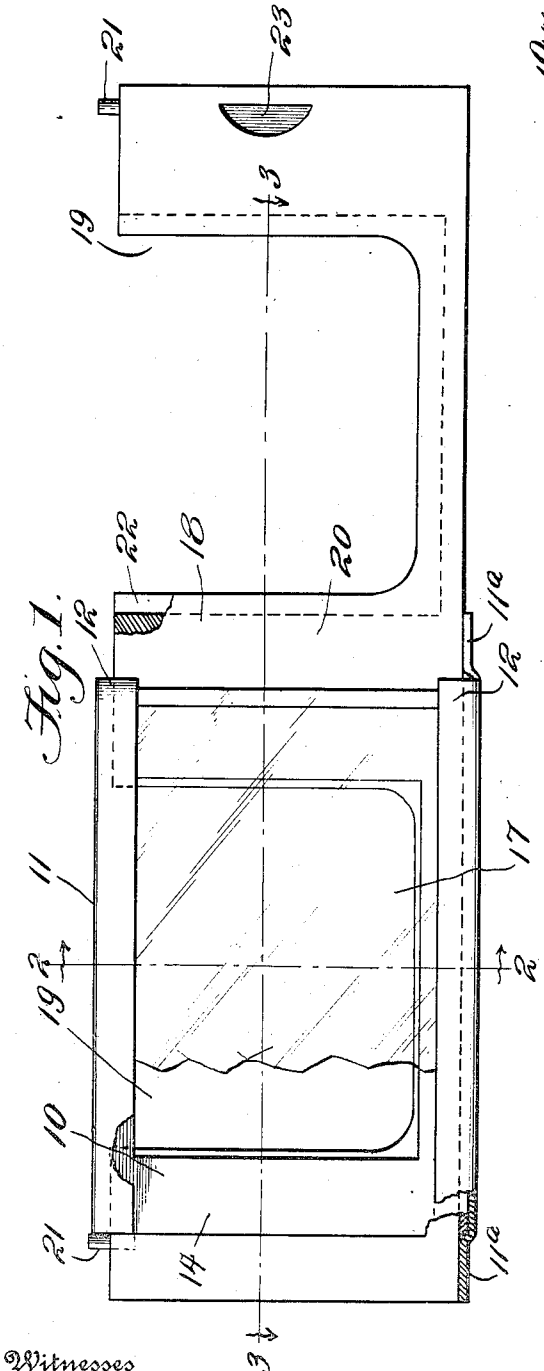

Fig. 1.

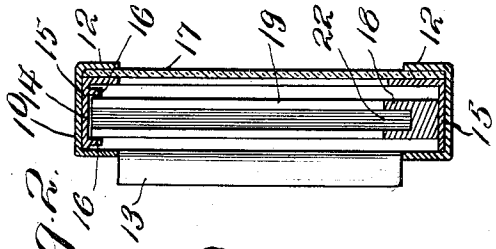

Fig. 2.

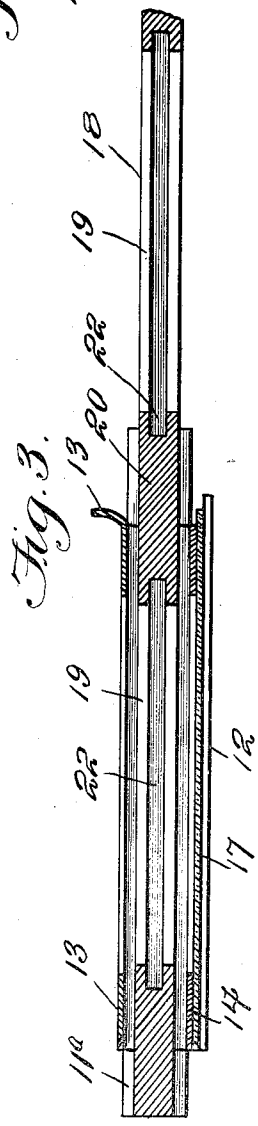

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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STEREOPTICON-SLIDE CARRIER.

1,012,945. Specification of Letters Patent. Patented Dec. 26, 1911.

Application filed April 4, 1911. Serial No. 618,880.

To all whom it may concern:

Be it known that we, FREDERICK H. WARNER and LORENZO D. WARNER, citizens of the United States, residing at Eddyville, in the county of Wapello and State of Iowa, have invented new and useful Improvements in Stereopticon-Slide Carriers, of which the following is a specification.

An object of the invention is to provide a device for connection to a stereopticon machine, to facilitate the method of exhibiting views in the stereopticon machine.

In the usual method of exhibiting views and the like by means of stereopticon machines, a cross arm movement is necessary in exhibiting the views, whereby the view is placed in the machine with one hand and drawn out the other side of the machine with the other hand. In this procedure the hands of the operator are at times busily employed with the one view exhibited in the machine and this view must first be dispensed with before another view can be placed in the machine, thus incurring a great delay and as the views, disposed immediately adjacent the illuminating means of the stereopticon machine become heated, it has been found very difficult to place another view in the machine while the old views are being taken therefrom.

In our device we aim to provide a means for disposal in the stereopticon machine and which is spaced from the illuminating means so that the views will not become quickly heated and can be very easily handled and our device is so constructed that a plurality of views can be successively exhibited without removing one of the views and in this manner a constant number of views can be successively exhibited without incurring any delay and while the view that has been shown is being removed, a new view will be in position and will be thrown upon the screen so that the audience will be at all times occupied and will not be inconvenienced by any delay, such as is the case in the usual method of exhibiting views.

For the purpose mentioned we provide a slide adapted to be positioned in a stereopticon machine in front of the illuminating means, a non-heat conducting transparent material slidably mounted in the slide, a view holder mounted to slide in the said slide and adapted to receive therein a plurality of views and stop lugs formed on the view holder and adapted to engage the mentioned slide to limit the movement of the view holder in the slide, thus facilitating the insertion and removal of the views from the view holder.

Reference is to be had to the accompanying drawings constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a rear elevation of our device, parts being broken away to disclose the underlying structure. Fig. 2 is a vertical sectional view on the line 2—2 in Fig. 1, and Fig. 3 is a horizontal sectional view on the line 3—3 in Fig. 1.

Referring more particularly to the views, we provide a slide 10 consisting of an apertured plate 11 having integral base members 11^a extended from both ends thereof and having its edges bent to form bearings 12 and integrally formed on one end of the plate 11 is a flange 13, the said flange extending vertically relatively to the plate and projecting laterally outward from one end of the plate. A second apertured plate 14 is provided having its ends 15 bent laterally thereto and the said second plate is adapted to lie within the plate 11 and is secured thereto by means of suitable rivets or the like, the apertures in both plates 11 and 14 being adapted to register. Formed on the under side at the top of the plate 14 are a plurality of depending spaced slide lugs 16, the said lugs being integrally formed on the plate 14 for a purpose that will be hereinafter more fully disclosed. Between the outer ends of the bearings 12 and the plate 14 is provided a transparent plate 17, preferably isinglass or the like and the mentioned isinglass plate is mounted to slide in the bearings 12. A view holder 18, having a plurality of U-shaped cut out portions 19 spaced apart by an intermediate brace 20, is adapted to slide in the plate 14, the upper end of the mentioned view holder being slidably received between the slide lugs 16 and the said view holder being provided with stop lugs 21 at the ends thereof, the said stop lugs being adapted to engage the ends of the slide 10 to limit the movement of the view holder relatively to the slide 10. Formed in the view holder 18 are grooves 22 adapted to receive therein

suitable views or the like, the said views being positioned in the cut out portions 19 as will be readily understood by referring to the figures. A grooved handle 23 is formed at one end of the view holder 18 so that the same can be easily operated to slide in the slide 10.

In the application of our device, the slide is positioned on the stereopticon machine and the initial position of the entire device can be readily seen by referring to Fig. 1. A view is now disposed in one of the grooves 22 so that the same will lie in the cut out portion of one side of the slide 10. The view holder is then operated to slide in the slide 10 so that the view disposed on the view holder will be positioned between the apertures in the plates 11 and 14. When the view is thus disposed, the same will be thrown upon a view screen in an enlarged manner as will be readily understood and while this view is being shown a second view is being disposed in the other cut out portion which now will be to the left side of the slide 10. When the first view has been exhibited for the desired period of time, the view holder is operated so that the second view will move to the exhibiting position and the first view can then be removed from the cut out portion which will at this stage of the operation be disposed to the right of the slide 10, it being readily seen that the lugs 21 limit the movement of the view holder relatively to the slide. By repeating the foregoing operation a constant number of views can be alternately shown without incurring any delay and while one view is being disclosed to the audience, the view which has been previously shown is being removed from the view holder and a new view is being replaced therein. By providing the transparent isinglass plate 17 any heat from the illuminating burner is prevented from being radiated to the glass views and they can be easily removed from the view holder and safely handled after they have been shown to the audience, thus greatly facilitating the general operation of stereopticon work.

It will be understood that the view holder can be made of any desired size to accommodate two or more than two views at one time although for the purpose of describing our stereopticon slide carrier we have shown a particular construction thereof, it will be understood that the scope of the invention is defined in the appended claims.

Having thus fully described the invention what we claim as new, is:—

1. A device of the class described comprising an apertured plate having its ends bent to form bearings, a second plate mounted to lie within the said first plate and secured thereto, the aperture in the said second plate being in register with the aperture in the first plate, a plurality of spaced guide lugs integrally formed on the said second plate and depending therefrom, a plate of transparent non-heat conducting material for slidable insertion in the mentioned first plate, a view holder slidably mounted in the said second plate and operable between the said guide lugs thereof and means on the said view holder and adapted to engage one of the said plates to limit the movement of the said view holder relatively to the said plate.

2. A device of the class described comprising a plate having an aperture therein, a second plate secured to the said first plate and having an aperture registering with the aperture in the first plate, a plate of transparent non-heat conducting material mounted on the said first plate and a view holder slidably mounted on the said second plate.

In testimony whereof we affix our signatures in presence of two witnesses.

FREDERICK H. WARNER.
LORENZO D. WARNER.

Witnesses:
JOSEPH WARNER,
LEE WARNER.