

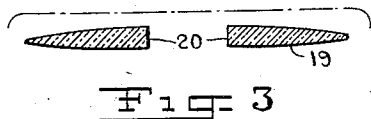
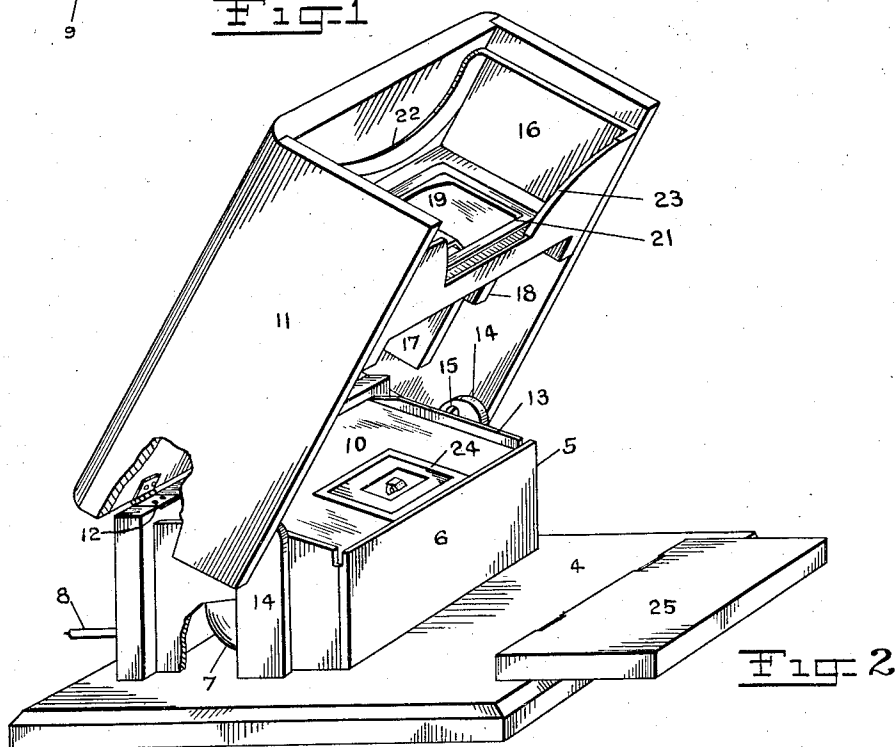
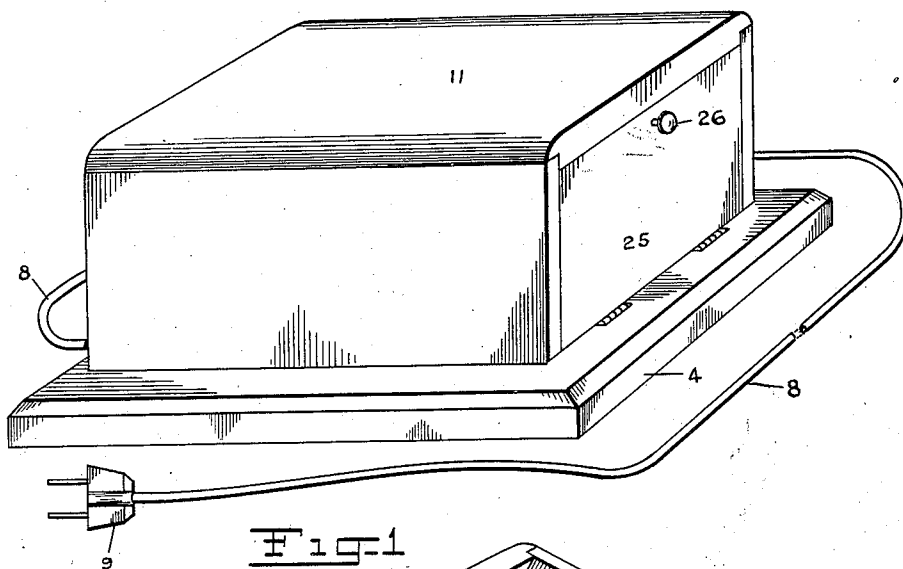
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2,419,339

TRANSPARENT PICTURE VIEWER

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## UNITED STATES PATENT OFFICE

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## TRANSPARENT PICTURE VIEWER

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2 Claims. (Cl. 88—1)

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My invention relates to a transparent picture viewer and its novelty consists in the combination, adaptation and arrangement of parts as will be more fully hereinafter pointed out.

There have been many attempts to provide a suitable viewer for transparent slides but they are all too cumbersome and complicated and none of them have been able to meet the exacting requirements that are for the first time met by my viewer in showing the fine detail and colorings of Kodachrome or other fine films.

My structure is a simple, complete unitary structure containing not only its own lighting means but also opening so as to form its own shadow box, at the same time furnishing adjustable lenses. And it will show up the transparent picture more clearly and in finer detail and more efficiently for differing eye requirements and with better diffused light and without shadows or false light than any of the more complicated devices previously known.

Referring to the drawings,

Figure 1 is a perspective of my complete device with the cover shut;

Fig. 2 is the same as 1 with the cover open and two portions broken away to show hidden construction;

Fig. 3 is a cross section of the lens elements.

In the drawings, 4 is a base of wood, plastic or any other suitable material on which housing 5 is rigidly mounted and which has a sloping upper edge 13 which is lower at its front 6. In the housing 5 an electric light bulb 7 is mounted being connected by a suitable flexible connecting cord 8 to a plug 9 which is adapted to plug into any ordinary house electrical outlet as a source of power. A translucent plate 10 is adapted to rest on the top of housing 5 so as to be held therein in protected position and properly diffuse the light from below.

An open ended cover 11 is hingedly mounted at 12, on the rear edge of the housing 6 so as to cover the same in the closed position and open up to an operating position in the open position and having a front door 25 hinged to the base 4 and a handle 26. A pair of support elements 14 are pivotally mounted at 15 to the inside edge of the cover 11 and are adapted to rest on 4 at their lower ends and support 11 in the open position as shown in Fig. 2.

A slidable frame 16 having extensions 17 in each side is mounted in cover 11 so that said extensions 17 travel on guide stops 18 rigidly secured inside each side of 11 and said guides 18 serve as slide elements on which extensions 17

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travel and as stops for limiting the downward movement of slidable frame 16. A pair of lenses 19 having their thickened edges 20 at the inner ends are identical and are rigidly mounted in said frame 16 at 21. Said frame 16 also has cut-out portions 22 and 23 so that the head and face of the person using said device can fit therein.

On using my device the front door 25 will be pulled down by handle 26 and cover 11 will then be raised and the free pivoted support elements 14 will drop into position to rest on base 4 and support the cover 11 in the open position, as shown in Fig. 2. Plug 9 will then be pushed into a suitable electric outlet so that electric light bulb 7 will thereby be lit. The Kodachrome or other transparent picture or film 24 will be placed on the translucent plate 10 and the face of the operator will then be placed against the cut-outs 22 and 23 of frame 16 and by hand he will adjust the position of the frame 16 and lenses 19 so as to get the proper focus for best seeing the picture 24 which is illuminated from below by the electric light bulb 7 the light being nicely diffused through the translucent plate 10 and the shadows and false light being shut out by the cover 11. A series of pictures 24 can be placed on plate 10, one at a time, and the focus of the lenses 19 adjusted each time by adjusting frame 16 manually so that a perfect viewing can be had of any transparent picture or series of same.

It will be apparent that many variations may be made in the particular form of my device without departing from the spirit and intent of the same and that the claims cover such variations.

What I claim is:

1. In a transparent picture viewer, the combination of a base member, an open top housing rigidly secured thereto, lighting means with power connection mounted in said housing, a front pitched translucent plate fitting over said housing, an open ended cover hinged to the back of said housing, a pair of supports pivoted within said cover on either side to hold said cover in its open position, an adjustable frame element carrying a pair of lenses slidably mounted in said cover and a front door for the front open end of said cover hingedly mounted on its bottom edge at the front of the said base member.

2. In a transparent picture viewer, a unitary structure comprising a base, an upward diffusing light container integral therewith, a lighting means therein, an open ended cover hingedly mounted at its back lower edge to said container, a slidably adjustable means carrying lenses mounted in said cover, means for supporting said

cover in an open position and a front door for said open end cover having a handle and said door being hinged at its bottom edge to said base.

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