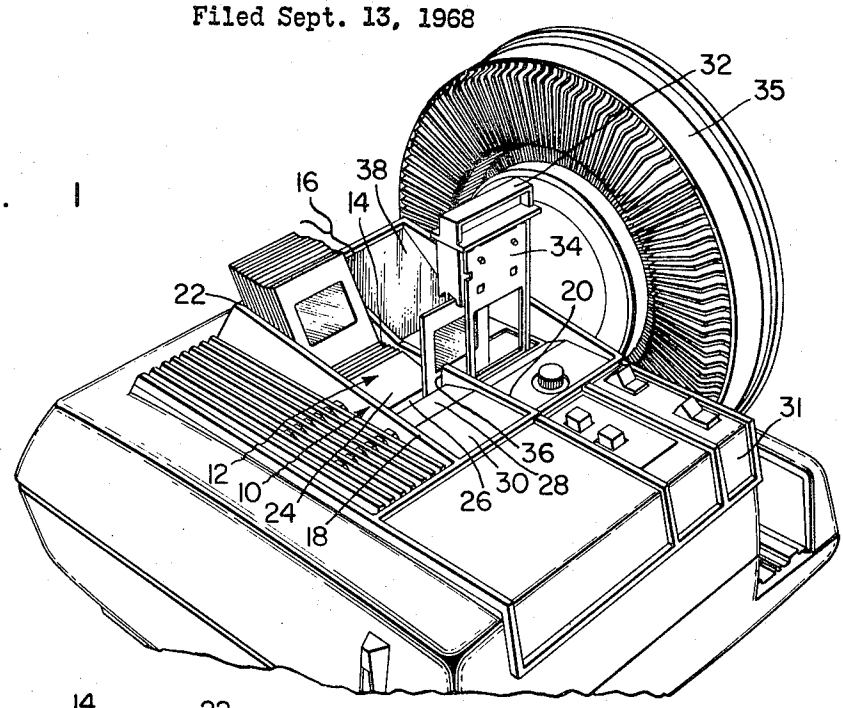
Jan. 19, 1971 R. L. PENNOCK, JR 3,556,650

SUPPORTING APPARATUS

Filed Sept. 13, 1968

FIG. 1



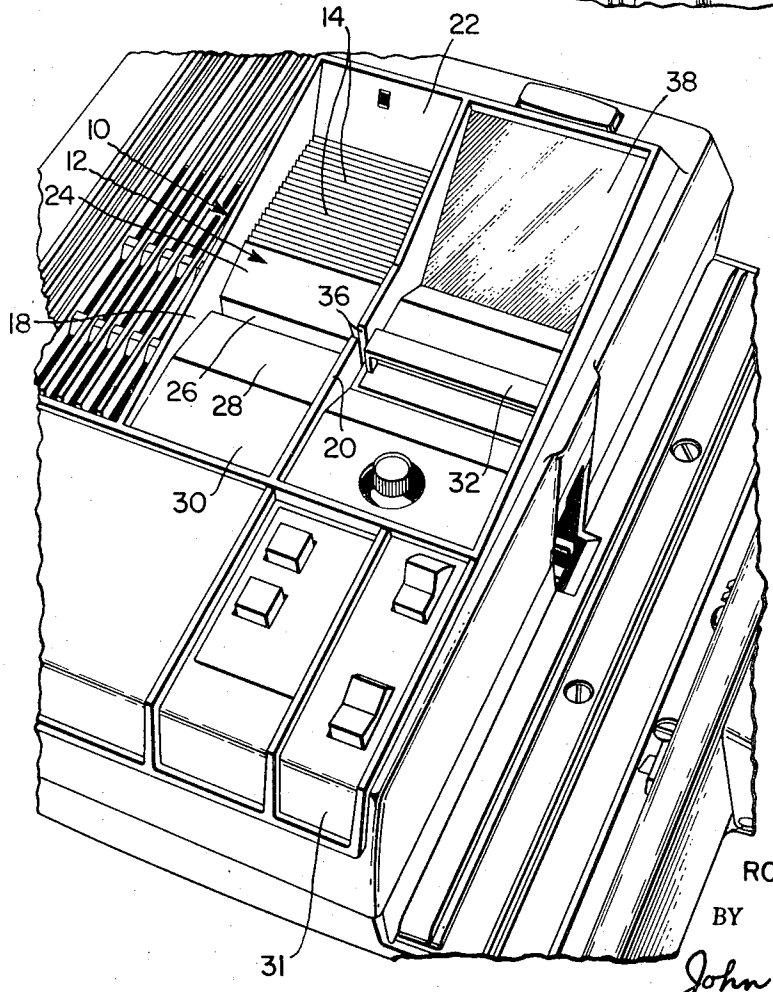


FIG. 2

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SUPPORTING APPARATUS

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ABSTRACT OF THE DISCLOSURE

A slide shelf is employed as a top wall portion of a slide projector to enhance the expeditious handling of slides without spillage and soiling during slide editing, loading, storing, sorting and previewing.

It is an object of the present invention to provide a slide storage shelf for the top housing of the slide projector.

It is another object of the invention to provide a shelf of the aforementioned type having a pair of side walls to retain the width of the slides removably positioned therebetween, a rough surface formed on the base of the shelf to retain the lower edge surface of the slides from sliding therealong and a wall to provide a surface against which the slides can be stacked against one another in an inclined position.

It is another object of the present invention to provide a slide storage shelf of the aforementioned type whose base is provided with a smooth tapered portion extending downwardly into a groove forming a track into which a selected one of said slides in said stack can be readily positioned for movement into and out of alignment with an adjacent slide holder for rapid viewing on a preview screen.

It is another object of the present invention to disclose a storage shelf of the aforementioned type that will more conveniently expedite the handling of slides during an editing, loading, sorting or previewing operation.

A better understanding of the present invention may be had from the following detailed description when read in connection with the accompanying drawing in which:

FIG. 1 is a view showing how slides are stored at an including angle in the storage shelf and further shows how a slide can be moved in either direction along the track into and out of a preview position; and

FIG. 2 shows a top view of the slide storage shelf and slide track.

The slide storage shelf **10** is shown in FIG. 1 and FIG. 2 as having a base plate **12**. This base plate **12** has a rough upper surface which is preferably of a multi-ridge construction **14** to retain the base edges of each of the slides **16** against sliding thereon.

The shelf **10** has opposite vertical tapered side walls **18** and **20** to retain each of the slides **16** in a stored position on the base portion **12** between a pair of adjacent ridges **14, 14.**

The rear portion of the tapered walls **18** and **20** are joined together as a unitary part by means of an inclined end wall **22** of the shelf **10** to allow all of the slides **16** retained within the confines of the walls **18, 20** and **22** to be held in an inclined relation against one another and at substantially the same inclination as the wall **22** against which the innermost slide engages.

The base plate **12** has a declining surface portion **24** extending away from the flat rough surface **14** which terminates in a grooved out portion forming a track **26.** The side walls **18** and **20** are inclined downwardly from the end wall to the groove to provide more convenient handling of the slides.

The shelf **10** has another declining surface **28** which extends from the forward flat slide storage portion **30** of the base plate **12** and which terminates in the previously mentioned track **26.**

It should be understood that the slides can be stacked in a flat horizontal position on top of one another on the surface **14** instead of having them lean in an inclined direction toward the wall **22.**

Furthermore, if it is desired to remove a slide in the projector **31** it can be done by pulling the handle **32** of manually movable push-pull edit slide holder **34** to its out of projector position as shown in FIG. 1. The slide that is to be removed can then be manually pulled out of the edit slide plate holder **34** by gripping its left edge and pulling it in a direction toward the left end of the slide track **26** through the wall **36** formed in the side wall **20.**

The removed slide can then be placed in a horizontal position on the flat portion **30** of the base plate **12** or on the top of any other discarded slide that may already be on the shelf portion **30.**

The lower edge of another one of the slide **16** that is desired to be shown can then be slid along the inclining surface portion **24** and into a vertical position in the track **26.** This slide **16** can then be slid along the track **26** to the right into the edit slide holder **34.** The slide holder can be lowered by pushing the handle **34** in a downward direction into the projector where it can be viewed on the previous screen **38** moved into a projecting position or loaded into a slide tray **35.**

It can thus be seen that a slide storage shelf has been provided which is beneficial in expediting the handling of slides during an editing, loading, storing, sorting or a previewing slide operation without spillage and soiling.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A slide projector housing wherein the top of the housing is comprised of a slide storage shelf, a base plate having a rough surface portion to inhibit the bottom edges of the slides from sliding therealong, side walls positioned in spaced apart relationship to one another to accommodate the width of said slides therebetween, an end wall extending between said side walls to support said slides in inclined relation with one another, the base plate having a smooth surface portion inclined in a downward direction between said side walls that extends from the end of said rough surface portion and terminates in a grooved out portion forming a track for supporting the bottom side edge of any selected one of said slides that is positioned therein in a vertical position and wherein the inclined portion tends to guide the slide into the grooved out portion.

2. The slide storage shelf as defined in claim **1** wherein a plurality of spaced apart ridges are employed to form the rough surface of the base plate.

3. The slide storage shelf as defined in claim **1** wherein the side walls are inclined in a downward direction away from said end wall to provide a more expeditious handling of the slides stored therebetween.

4. The slide storage shelf as defined in claim **1** wherein one of the side walls has an aperture formed therein to accommodate the passage of one of said slides therethrough and into a slide editing gate that is in alignment with said track.

5. The slide storage shelf as defined in claim **1** and wherein the base plate has a second smooth surface portion inclined upwardly from the track and terminating in a flat surface portion to accommodate the stacking of slides thereon.

6. The slide storage shelf as defined in claim 1 and wherein the base plate has a second smooth surface portion inclined upwardly from the track and terminating in a flat surface portion to accommodate the stacking of slides thereon and the flat surface portion of the base is provided with a second end wall extending upwardly from one end thereof to deter endwise movement of slides that have been mounted on said flat surface.

7. The slide storage shelf as defined in claim 1 wherein the base plate has a flat surface portion to accommodate the stacking of slides in a horizontal stacked position thereon.

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193—38; 211—49; 353—103, 115, 122