April 29, 1958 H. W. HOUGHTON 2,832,350

CARD HOLDER

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Fig. 1

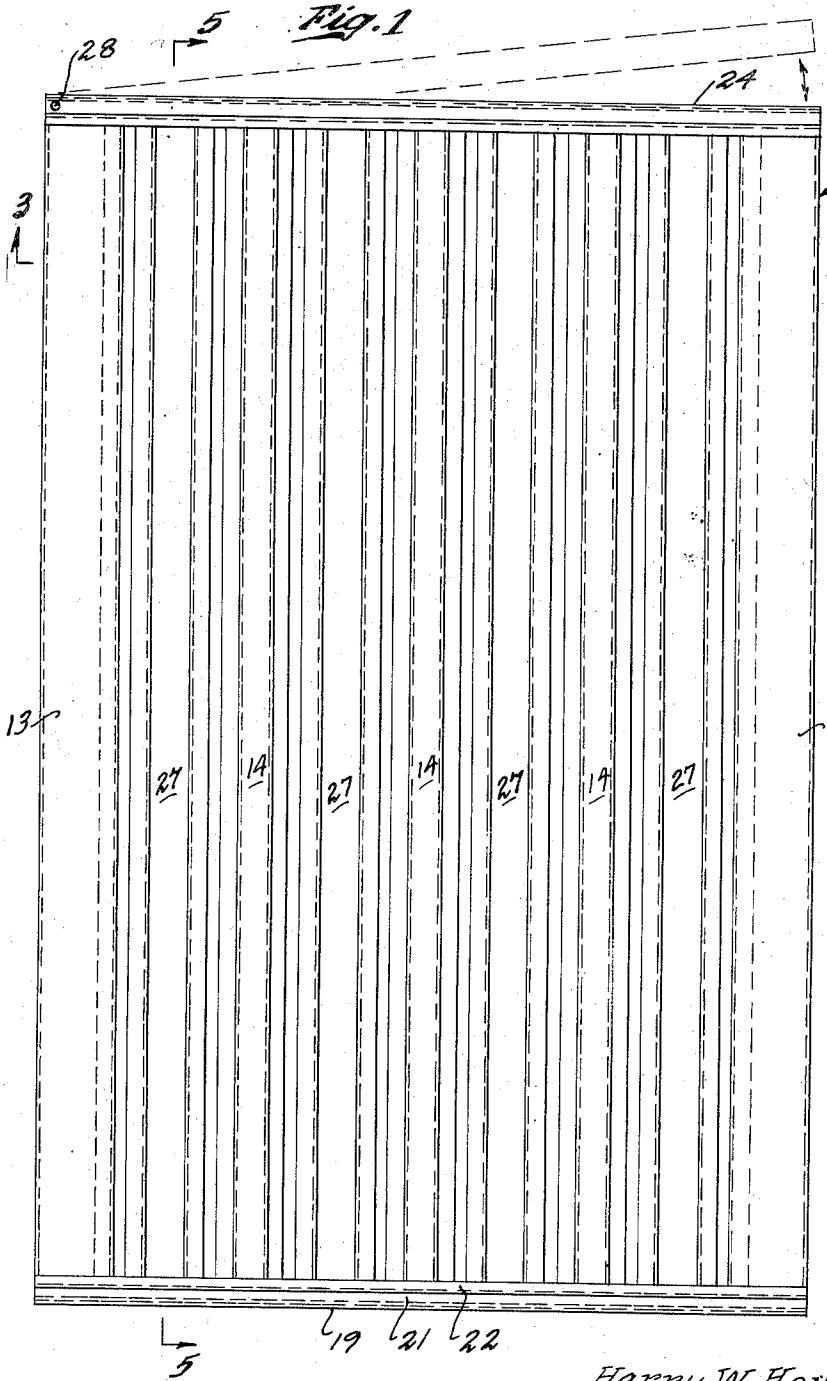
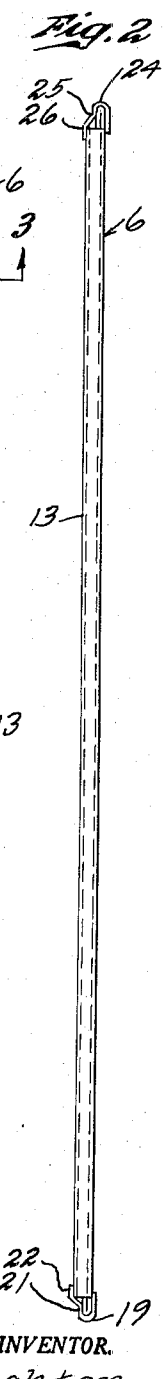


Fig. 2



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Fig. 3

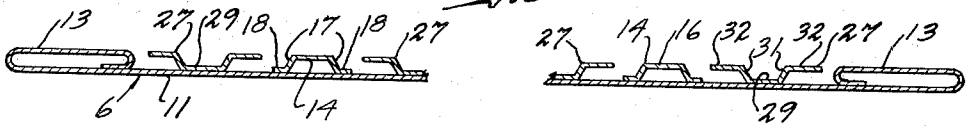


Fig. 4

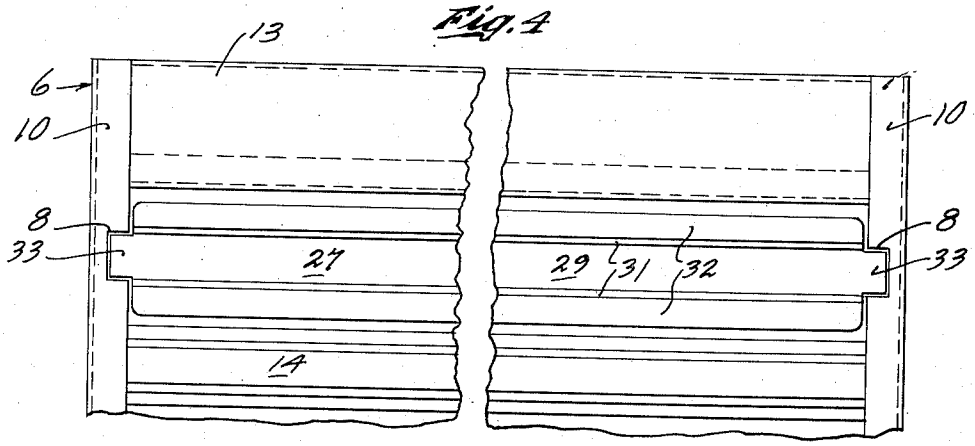


Fig. 5

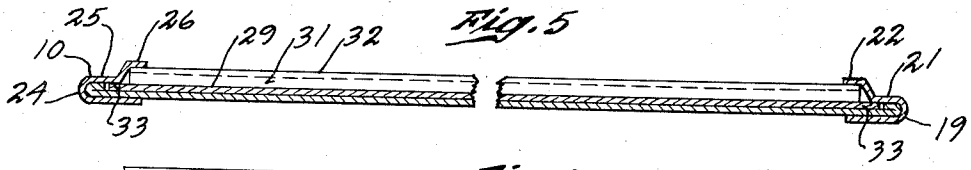


Fig. 6

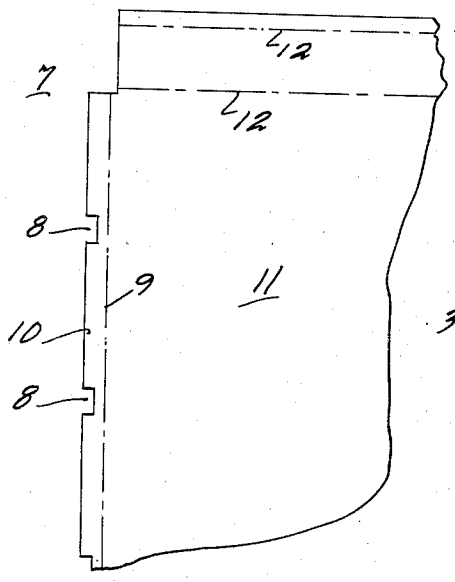
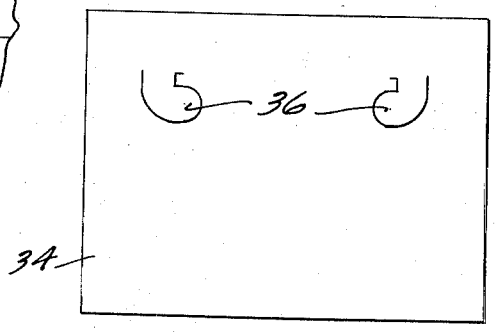


Fig. 7



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United States Patent Office 2,832,350 Patented Apr. 29, 1958

2,832,350

CARD HOLDER

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Application October 19, 1954, Serial No. 463,263

3 Claims. (Cl. 129—16)

This invention relates to holders for conventional visible index or record cards of the type provided with spaced tabs for sliding engagement with card carriers or runways of visible index equipment.

To produce duplicate sets of records, the cards are arranged in sets and photographed, the photograph being used in making a plate for printing sheets for duplicate record books. It is an object of the present invention to provide a card holder on which the record cards may be mounted in taking a photograph of the data on the cards.

Another object of the invention resides in the provision of a card holder in which the cards are slidably mounted on runways detacably mounted in fixed spaced parallel relationship upon a panel.

A further object of the invention resides in the provision of a card holder in which the runways and cards thereon may be quickly mounted on or removed from the panel.

The invention embodies other novel features, details of construction and arrangement of parts which are hereinafter set forth in the specification and claims and illustrated in the accompanying drawing, wherein:

Fig. 1 is a top plan view illustrating a card holder embodying features of the invention.

Fig. 2 is a side elevational view of same.

Fig. 3 is a fragmentary, transverse sectional view taken along the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary top plan view of the card holder with the end retainer members removed therefrom.

Fig. 5 is a fragmentary, longitudinal sectional view taken along the line 5—5 of Fig. 1.

Fig. 6 is a fragmentary plan view illustrating the manner in which a blank of sheet metal is cut and folded to form the base of the card holder structure.

Fig. 7 is a plan view of a conventional record card.

Referring now to the drawing for a better understanding of the invention, the card holder is shown as comprising a panel 6 adapted to be formed from a blank 7 of sheet metal, such as aluminum.

As illustrated in Fig. 6, the ends of the panel blank 7 are formed with notches or recesses 8 and are bent inwardly along bend lines 9—9 to provide flanges 10—10 overlying the body 11 of the blank, whereby the notches at one end of the panel will be opposed to the notches at the other end of the panel. The sides of the blank are folded inwardly along the bend lines 12—12 to provide side rails 13—13 having coplanar flat upper surfaces spaced above the plane of the body 11.

The panel 6 is provided with a plurality of spaced, parallel, intermediate rails 14 extending between and abutting the flanges 10—10. The rails are preferably blanked and formed from sheet metal, such as aluminum, and each rail is shown as comprising a flat wall 16 supported by side webs 17—17 having flanges 18—18 thereon for spot welded engagement with the body 11 of the panel.

One end of the panel body 11 and the flange 10 thereon are embraced by and spot-welded to a fixed runway retainer 19 of channel section. the upper leg 21 of the retainer having a flange 22 offset upwardly therefrom to overlie the adjacent ends of the rails 13 and 14 and the adjacent ends of card runways 27.

The other end of the panel body 11 and the flange 10 thereon are adapted to be embraced within a movable runway retainer 24 having an upper leg 25 carrying a flange 26 adapted to overlie the ends of the rails and runways 27 adjacent thereto, the retainer being hingedly connected to the panel 6 by means of a rivet 28 for pivotal movement toward and away from the panel.

Each runway 27 is shown as blanked and formed from sheet metal, such as aluminum, to provide a flat, elongated base 29, side walls 31—31 and flanges 32—32, the base projecting beyond the ends of the side walls and flanges to form tongues 33—33 for engagement in the recesses 8 provided in the flanges 10—10.

The upper surfaces of the side rails 13, intermediate rails 14 and runway flanges 32 are disposed in a common plane to support conventional record cards 34 in a flat coplanar arrangement. As illustrated in Fig. 7 the record card 34 is formed of sheet material, such as cardboard, and slit or cut to provide spaced tabs 36—36 for engagement under the flanges 32—32 of a runway 27.

In the use of the card holder thus shown and described, it will be noted that the runways 27, with record cards 34, may be quickly mounted on or removed from the panel 6 during photographing of the cards when the movable runway retainer 24 is pivoted away from the panel 6, and that the runway retainers coact with the panel to secure the runways against displacement when the movable runway 24 is pivoted into position to embrace the end of the panel and the tongues 33 of the runways.

The runway retainer flanges 22 and 26 are preferably spaced above the runway flanges 32 to receive the edge portions of record cards therebetween for abutting engagement against the shoulders formed at the juncture of the retainer flanges and their respective legs 21 and 25, whereby the cards are aligned transversely of the runways.

While this invention has been shown in but one form, it is obvious to those skilled in the art that it is not so limited, but is susceptible of various changes and modifications without departing from the spirit and scope of the claimed invention.

I claim:

1. In a record card holder, a flat panel having inturned end flanges in flat surface engagement therewith and formed with opposed recesses, spaced card supporting rails on said panel on opposite sides of said recesses and extending between said end flanges, a card runway extending between said end flanges and having tongues coplanar with the end flanges and engaged in said recesses against movement longitudinally and transversely of the panel, and runway retainers of channel section straddling the ends of said panel and said tongues to secure the runway against displacement from and movement relative to the panel, one of said runway retainers being pivotally connected to said panel for movement away from and in a plane parallel to its related runway tongue.

2. In a record card holder, a flat panel having inturned end flanges in flat surface engagement therewith and formed with opposed recesses, spaced card supporting rails on said panel on opposite sides of said recesses and extending between said end flanges, a card runway extending between said end flanges and having tongues coplanar with the end flanges and engaged in said recesses against movement longitudinally and transversely of the panel, and runway retainers of channel section straddling the ends of said panel and said tongues to secure the run-

way against displacement from and movement relative to the panel, one of said runway retainers being pivotally connected to said panel for movement away from and in a plane parallel to its related runway tongue, said runway having side flanges for engagement with tabs of a record card.

3. In a record card holder, a flat panel having inturned end flanges in flat surface engagement therewith and formed with opposed recesses, spaced card supporting rails on said panel on opposite sides of said recesses and extending between said end flanges, a card runway extending between said end flanges and having tongues coplanar with the end flanges and engaged in said recesses against movement longitudinally and transversely of the panel, and runway retainers of channel section straddling the ends of said panel and said tongues to secure the runway against displacement from and movement relative to the panel, one of said runway retainers being pivotally connected to said panel for movement away from and in a plane parallel to its related runway tongue, the other retainer being welded to said panel, said runway having side flanges for engagement with tabs of a record card, said runway flanges and supporting rails having coplanar upper surfaces to support a record card.

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