Feb. 10, 1942. R. C. WERKHEISER 2,272,858

BOOK WITH LEAF-TURNING GUIDE

Filed Aug. 10, 1940

Fig. 1

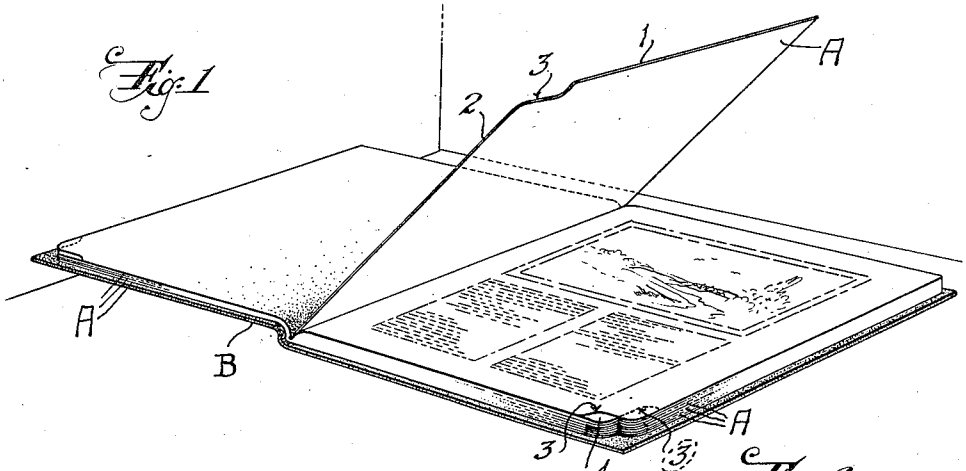


Fig. 2

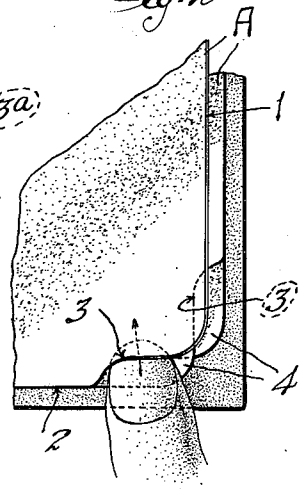


Fig. 3

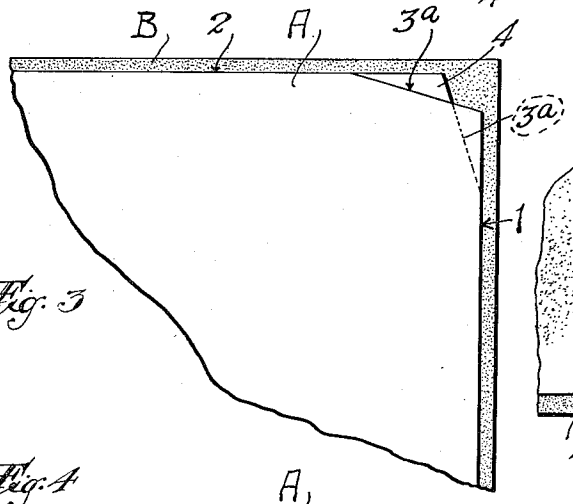


Fig. 4

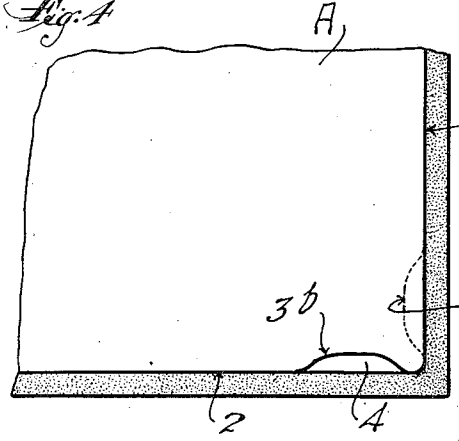
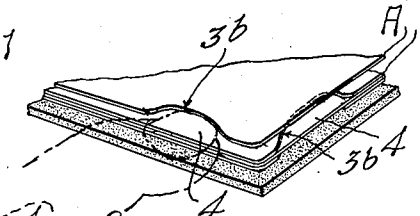


Fig. 5



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BOOK WITH LEAF-TURNING GUIDE

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Application August 10, 1940, Serial No. 352,057

3 Claims. (Cl. 281—38)

This invention relates in general to means for facilitating the turning of leaves, cards, sheets or the like that may be piled, stacked, filed in cases or bound into book form.

One object of the invention is to provide a novel and improved construction whereby the person consulting the leaves, sheets or cards, or making entries in or reading a book, shall be enabled to easily and quickly separate and turn the leaves, sheets, cards or pages individually and without interference from the other leaves, sheets, etc.

Other objects are to provide a plurality of leaves which shall have their edges notched or cut away in such a manner and shall be so arranged, that the sides or edges of the notches or cutaway portions of each leaf shall lie upon or extend across the portion of the next adjacent leaf that is exposed by the notches or cutaway portions, whereby the fingers of a person may enter the notches or cutaway portions and separate and turn the leaves without difficulty; and to obtain other advantages and results as will be brought out by the following description in conjunction with the accompanying drawing in which

Figure 1 is a perspective view of a book having a plurality of leaves constructed in accordance with my invention,

Figure 2 is a fragmentary plan view on an enlarged scale, of the portions of the leaves having the leaf-turning guides, showing the manner of turning the leaves.

Figure 3 is a plan view, on an enlarged scale, showing portions of the leaves embodying a modification of my invention,

Figure 4 is a view similar to Figure 3 showing a further modification of the invention, and

Figure 5 is a fragmentary perspective view showing the manner of turning leaves in the embodiment of the invention shown in Figure 4.

Specifically describing the invention, the reference characters A designate a plurality of leaves that for convenience in illustration are shown as bound into book form in a cover B. Each leaf has two angularly disposed edges 1 and 2 that are coincident with the corresponding edges of the other leaves; in other words, the edge 1 of each leaf is in a common plane with the corresponding edges of the other leaves transversely of the leaves, while the edge 2 of each leaf is in a common plane with the corresponding edges of the other leaves transversely of the leaves.

In accordance with the invention, each leaf has a notch 3 in one of said edges that exposes a portion of the next adjacent leaf in close proximity to the corner formed by the extension of the angularly meeting edges 1 and 2. The notch 3 of one leaf is disposed in the edge 1 thereof, while the notch 3 of the next adjacent leaf is disposed in the edge 2 thereof, and so on, the notches of alternate leaves being in different edges and all notches in corresponding edges being in alinement with each other transversely of the leaves.

In the forms of the invention shown in Figures 1 to 3 inclusive, the notches in effect constitute cutaway corners between the edges 1 and 2 of the respective leaves. Described in another way, the notch 3 of Figures 1 and 2, is an elongate shallow notch in one edge of the leaf A extending lengthwise thereof adjacent the angle that would be formed at the meeting of imaginary extensions of said edges and opening through the other edge, and the leaves are arranged with the longer sides of the notches of alternate leaves in one common plane that is different from the common plane of the longer sides of the notches of the other leaves, whereby a portion of the sides of the notch of each leaf lies upon a portion of the next adjacent leaf that is exposed by said notch. The major portion of the longer side of each notch 3 is approximately parallel to the corresponding edge of the leaf and of a length substantially less than half the length of said edge, and extends across the next adjacent leaf so as to exose a portion of the latter that is of approximately uniform width substantially throughout the length of said notch. The sides of the notch merge into the corresponding edges of the leaf through curved corners.

In Figure 3, the cutaway portion or elongate shallow notch is designated 3*a* while in Figures 4 and 5, the notches are designated 3*b* and the longer side of each notch terminates short of the other edge of the corresponding leaf.

In use, the thumb or index finger of the person handling the leaves may be placed upon and slipped inwardly over the portion 4 of a leaf that is exposed by the notch or cutaway corner 3, 3*a* or 3*b* of the next adjacent leaf and beneath the latter as shown in Figures 2 and 5, whereby the last-mentioned leaf may be turned or lifted upwardly easily and quickly. In turning the leaves successively, the thumb or finger may be moved alternately from the notch of one leaf to the notch of the next adjacent leaf and so on, and it will be observed that only a slight lateral

movement of the finger or thumb is required. Furthermore, the exposed portion 4 of each leaf provides a smooth and uninterrupted surface for sliding of the thumb or finger from one leaf to the next in both directions.

The notches or cutaway portions being at or in close proximity to the corners of the leaves, makes the separation and turning of the leaves with the thumb especially facile.

It will be understood by those skilled in the art that the exact shape and location of the notches, or cutaway corners may be varied without departing from the spirit or scope of the invention.

Having thus described my invention, what I claim is:

1. A book comprising a plurality of leaves each having two angularly disposed edges and an elongate shallow notch in one edge extending lengthwise thereof adjacent the angle that would be formed at the meeting of imaginary extensions of said edges, the margin portion of the longer side of said notch being approximately parallel to the corresponding edge of the leaf and of a length substantially less than half the length of said edge, said leaves being arranged with said longer sides of the notches of alternate leaves in one common plane that is different from the common plane of the longer sides of the notches of the other leaves, whereby a portion of the sides of the notch of each leaf extends across the next adjacent leaf so as to expose a portion of the latter that is of approximately uniform width substantially throughout the length of said notch.

2. A plurality of leaves each having two angularly disposed edges and an elongate shallow notch in one edge extending lengthwise thereof adjacent the angle that would be formed at the meeting of imaginary extensions of said edges and opening through the other edge, the major portion of the longer side of said notch being approximately parallel to the corresponding edge of the leaf and of a length substantially less than half the length of said edge, and the sides of said notch merging into the corresponding edges of said leaf through curved corners, said leaves being arranged with said longer sides of the notches of alternate leaves in one common plane that is different from the common plane of the longer sides of the notches of the other leaves, whereby a portion of the sides of the notch of each leaf extends across the next adjacent leaf so as to expose a portion of the latter that is of approximately uniform width substantially throughout the length of said notch.

3. A plurality of leaves each having two angularly disposed edges and an elongate shallow notch in one edge extending lengthwise thereof adjacent the angle that would be formed at the meeting of imaginary extensions of said edges, the major portion of the longer side of said notch being approximately parallel to the corresponding edge of the leaf and of a length substantially less than half the length of said edge and terminating short of the other edge, said leaves being arranged with said longer sides of the notches of alternate leaves in one common plane that is different from the common plane of the longer sides of the notches of the other leaves, whereby a portion of the sides of the notch of each leaf extends across the next adjacent leaf so as to expose a portion of the latter that is of approximately uniform width substantially throughout the length of said notch.

ROBERT C. WERKHEISER.