Dec. 6, 1949 L. A. MINTON 2,490,147

FLOAT LEAF CARRIER AND BOOKMARK

Filed May 2, 1945 2 Sheets-Sheet 1

Fig-1

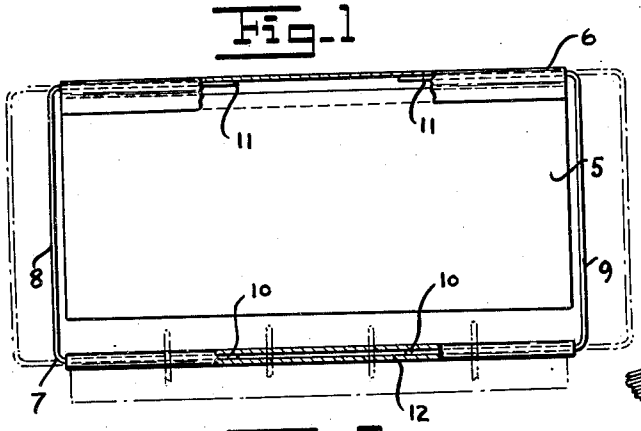


Fig-3.

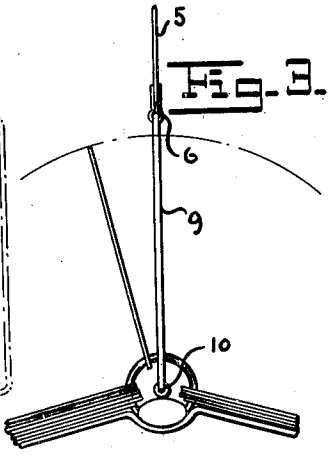


Fig-2.

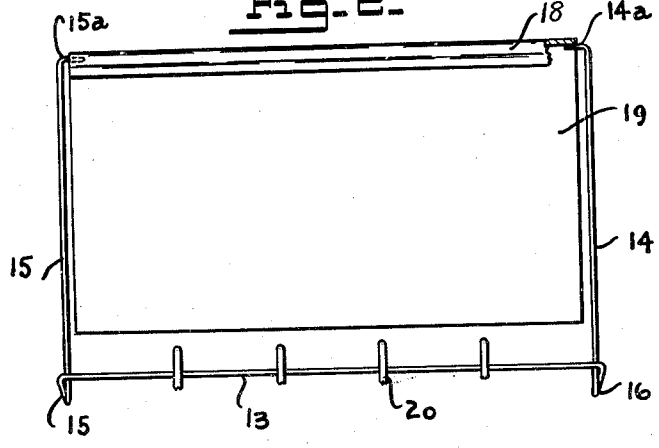


Fig-4.

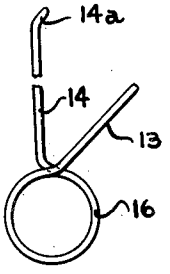
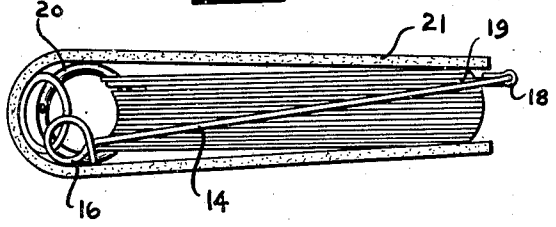


Fig-5.



Inventor

LESLIE A. MINTON

By Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Dec. 6, 1949 L. A. MINTON 2,490,147

FLOAT LEAF CARRIER AND BOOKMARK

Filed May 2, 1945 2 Sheets-Sheet 2

Fig. 6.

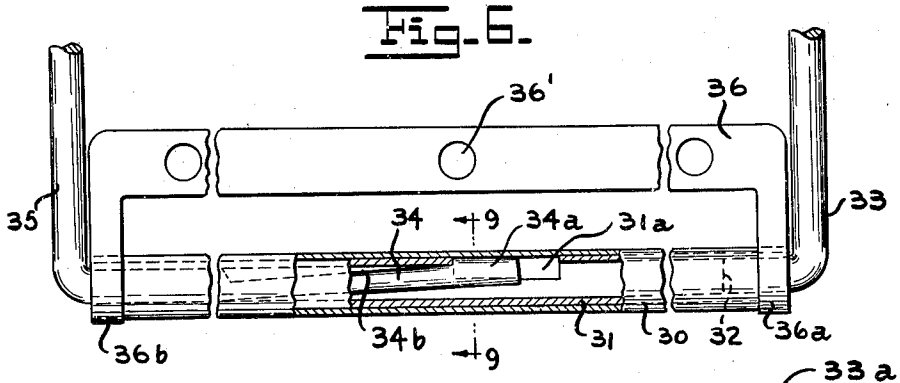


Fig. 8.

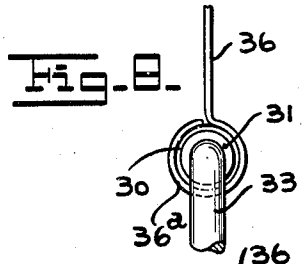
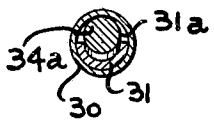


Fig. 9.



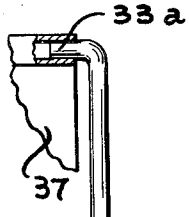


Fig. 7.

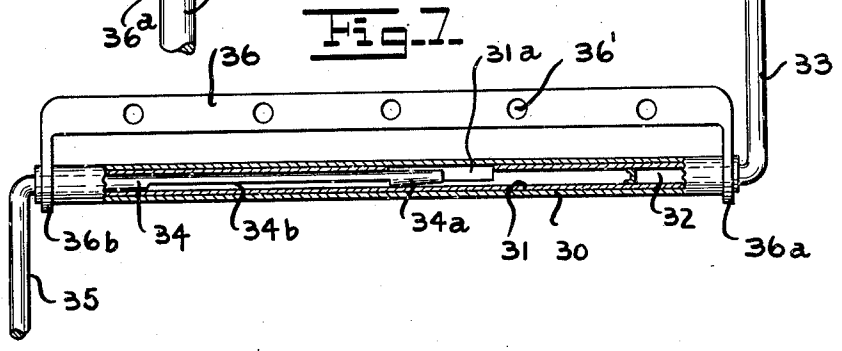
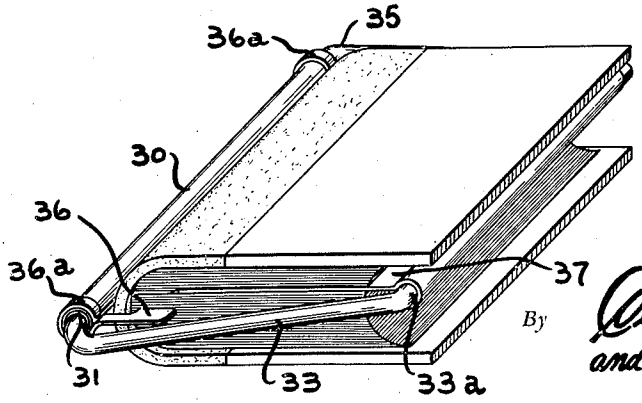


Fig. 10.



Inventor

LESLIE A. MINTON

By Clarence O'Brien and Harvey B. Jacobson

Attorneys

Patented Dec. 6, 1949 2,490,147

UNITED STATES PATENT OFFICE

2,490,147

FLOAT LEAF CARRIER AND BOOKMARK

Leslie A. Minton, Portland, Oreg.

Application May 2, 1945, Serial No. 591,539

1 Claim. (Cl. 281—42)

1

The general aim of my invention is to provide a carrier by which a book mark, blotter, calendar, pad of note paper, tables, scales, protractor, any type of memoranda, advertising matter, and/or for holding any floating element or auxiliary sheets with a clearance or opening sufficiently large to permit the leaves of the book to be turned through said openings.

This invention relates to an improved leaf carrier or turner and a book mark, and one of its objects is to provide means for positively engaging a selected leaf of a book, and a frame on which the leaf turner and book mark is supported, which can be assembled on a loose leaf or split ring book.

Another object of the invention is to provide a two piece assembly for supporting the leaf turner and marker, so constructed that it may be readily combined with a standard ring or other type of book.

With the above and other objects in view the invention comprises certain new and useful constructions, combinations, and arrangements of parts, clearly described in the following specification, and fully illustrated in the accompanying drawings, in which:

Fig. 1 is a plan view of one form of the invention, showing parts of the book in dotted lines, and parts of the device in section.

Fig. 2 is a similar view, showing only the leaf turner and book mark, with a part shown in section.

Fig. 3 is an end elevation, showing the book in full lines.

Fig. 4 is a detail, fragmentary, end view of the wire holding frame.

Fig. 5 is an end view of a book, equipped with the attachment, showing the book closed.

Fig. 6 is a plan view of another form of the invention, certain parts being shown in longitudinal section, showing shaft sections in coupled relation.

Fig. 7 is a similar view, showing the shaft sections in uncoupled position.

Fig. 8 is a detail end view.

Fig. 9 is a detail transverse sectional view, taken on line 9—9 of Fig. 6, looking in the direction of the arrows.

Fig. 10 is a perspective view of a book closed, showing the book mark in position thereon.

Referring to the accompanying drawings, which illustrate the practical embodiment of the invention, 5 designates a thin metal, plastic, fibre or material sheet, which is formed with an edge roll 6 on one longitudinal edge thereof.

2

The sheet 5 is supported on a wire frame 7, which includes side bars 8 and 9, each of which is formed with a side arm or leg 10 on its inner side and a similar side arm 11 on its outer side. The side arms or legs 11 are slidably inserted in the ends of the edge roll 6 and the inner side arms or legs 10 are slidably inserted in the tube 12, which is formed with a small bore. One of the end side bars or frames may be partially withdrawn from pivotal engagement with the ends of the sheet roll 6, and the sliding connection of the inner side arms or legs 10 is adapted to permit this. This sliding connection also permits one of the side bars 8 or 9 to be entirely detached from the tube 12, so that the tube may be then passed through the split rings of a loose leaf book.

The wire frame may be constructed in one piece, as shown in Fig. 2, and in this case is provided with a continuous inner bar 13, and with integral side bars 14 and 15, which are connected to the inner bar by the closed loops 16 and 17, as shown in Fig. 4. The side bars 14 and 15 are formed with terminal trunnions 14*a* and 15*a*, which engage the ends of the edge roll 18 carried by the sheet turner and marker plate 19. The inner bar 13 is adapted to extend through the split book rings 20, of the book 21, shown in Fig. 5.

In Figs. 6 to 9, inclusive, I show a modified form of the invention, wherein an outer tube 30 is provided in which an inner tube 31 is snugly fitted. The wall of this inner tube is formed with a notch or opening 31*a*, located between the ends thereof, and completely enclosed and concealed by the outer tube 30.

In one end of the inner tube 31 the inner end 32 of the end bar 33 is secured, which is spaced longitudinally from the keeper notch 31*a*. This keeper notch is engaged by the inner end 34 of the side bar 35, and this inner end 34 is formed with a terminal hook or latch element 34*a*, which is adapted to snap into the keeper notch 31*a*, and for this purpose the inner end or bar 34 is reduced longitudinally at 34*b*, so that the terminal latch will have a spring action against the notch 31*a*.

The side bar 33 is formed with a trunnion 33*a* on its outer end and the side bar 35 is formed with a trunnion 35*a* on its outer end. These trunnions are adapted to engage the edge roll of the leaf turning and book marking sheet.

On the outer tube 30 a thin connector blade or bar 36 is supported by the eye hooks 36*a* and 36*b*, which are formed from the stock of the blade

or arm **36**, and which may be sprung over the ends of the tube **30**. The blade or arm **36** is placed between leaves of the book, and the side bars **33** and **35** are disposed against the upper and lower ends of the book, with the page turning sheet **37** supported on the terminal trunnions **33***a* and **35***a*, in the manner previously explained.

In Fig. 7 a modified arrangement of the coupling blade or arm **36** is shown, wherein this blade is formed with holes **36'** to receive book hooks or rings.

It is seen that when the page turning sheet is properly arranged between opposing leaves of a book, that the book may be quickly and accurately opened at the place marked by the position of the leaf turner sheet.

The invention will be found particularly useful in connection with the quick opening of account and record books, and also of books on art, science, history and literature. When used the book mark will remain in selected position, until it is readjusted or shifted to a different position.

It is understood that various changes in the details of construction, and their combination and arrangement, may be made, and also any and all materials available for the production of the device may be employed, within the scope of the invention as defined by the claim hereof.

Having described my invention, I claim as new:

A book marker and leaf turner comprising a tubular cross bar having an internal latching element, a side bar having an angular end secured in one end of the tubular cross bar, another side bar having an angular end provided with a latching element to detachably engage the latching element of the tubular cross bar, a thin blade pivoted on the tubular cross bar to fit between adjacent leaves of a book, and a page marking plate hinged to the outer ends of the side bars.

LESLIE A. MINTON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,124,591	Child	Jan. 12, 1915

FOREIGN PATENTS

Number	Country	Date
245,665	Germany	Apr. 16, 1912
458,044	Great Britain	Dec. 11, 1936