Sept. 9, 1952 M. J. STONE 2,609,636

BOOKHOLDER

Filed Sept. 13, 1948 2 SHEETS—SHEET 1

Fig. 1.

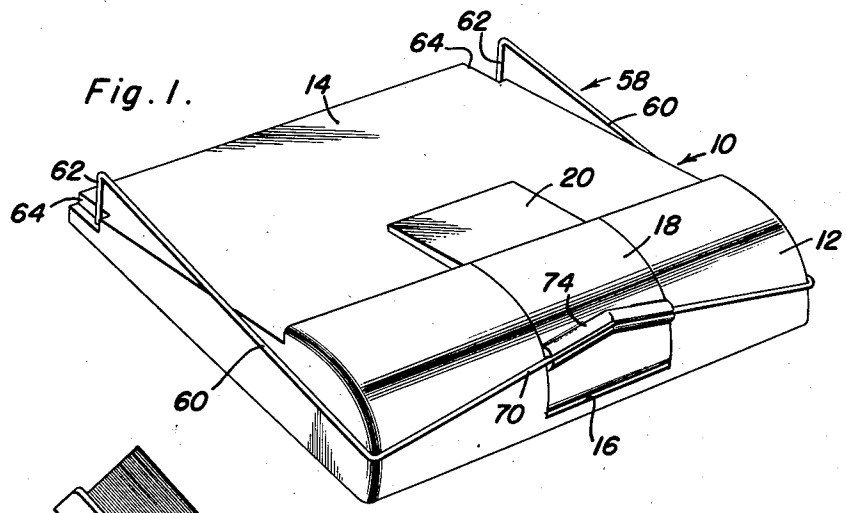
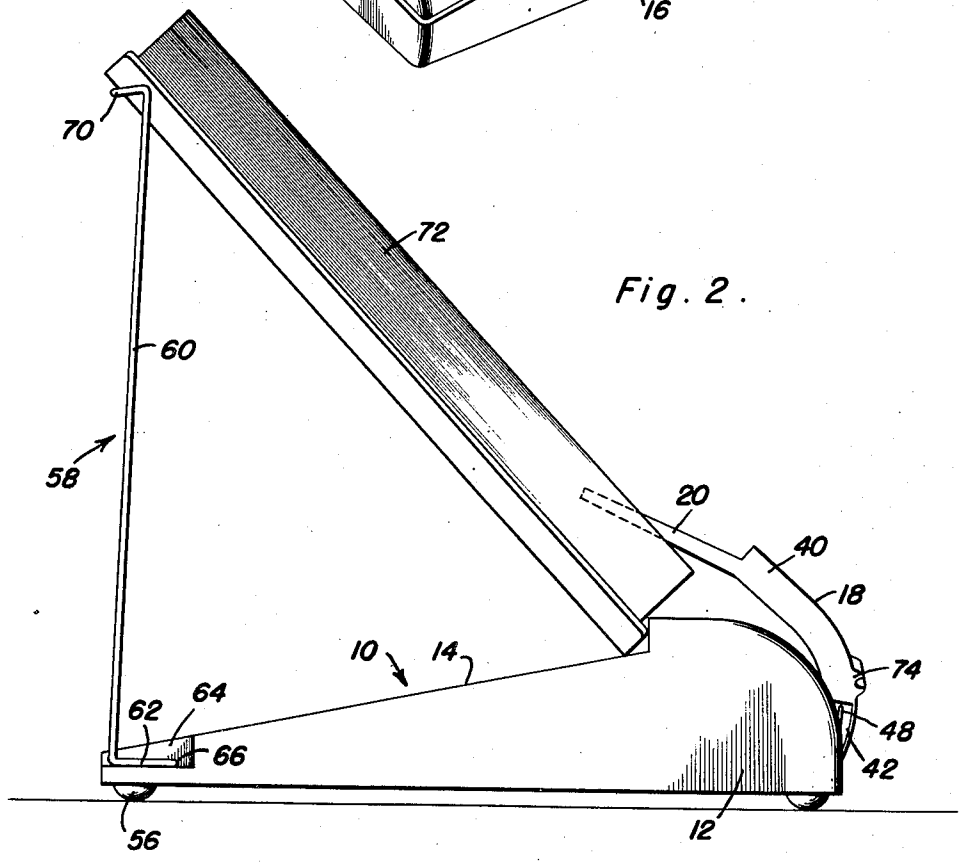


Fig. 2.



Mary Jeanne Stone
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

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Fig. 3.

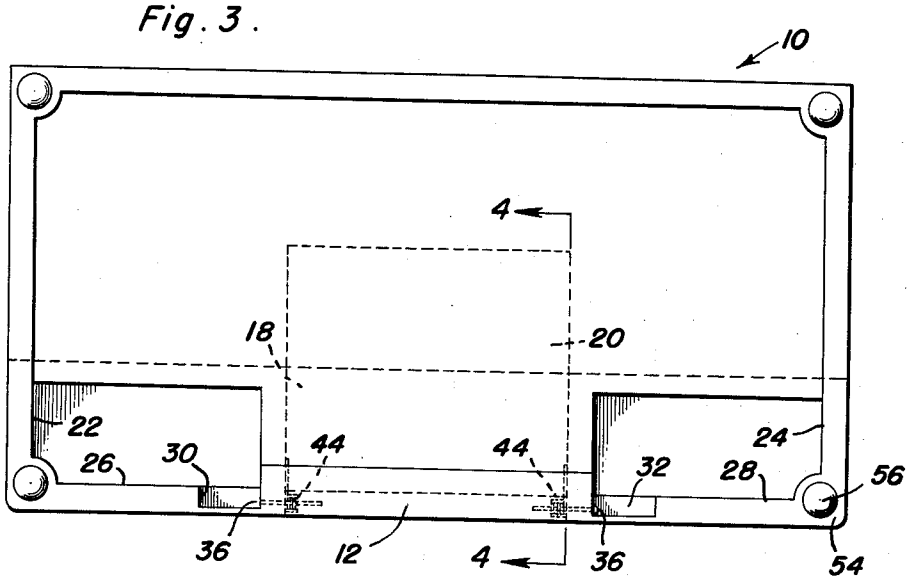


Fig. 4.

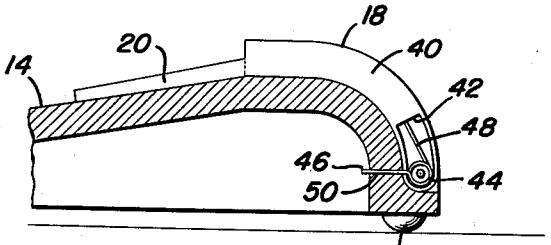
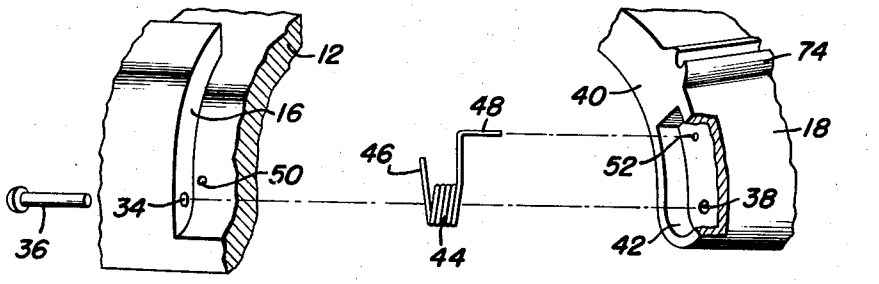


Fig. 5.



Mary Jeanne Stone
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

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2,609,636

BOOK HOLDER

Mary Jeanne Stone, Worthington, Minn.

Application September 13, 1948, Serial No. 48,973

4 Claims. (Cl. 45—57)

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This invention relates to new and useful improvements in book holders and the primary object of the present invention is to provide a device for supporting a book, magazine or the like in a vertically inclined position whereby the same may be observed in a convenient manner.

Another important object of the present invention is to provide a book holder including a base, a book supporting frame pivotally mounted on said base, and embodying novel and improved means for retaining said frame relative to said base when the former is in a raised or folded position.

A further object of the present invention is to provide a book holder including a base and a novel and improved spring urged pressure or clamping member cooperating with said base in order to support a book or the like relative thereto.

A still further aim of the present invention is to provide a book holder that is extremely neat and attractive in appearance, strong and reliable in use, small and compact in structure, simple and practical in construction, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the book holder constructed in accordance with the present invention, and showing the pivotal frame in a lowered and folded position;

Figure 2 is a side elevational view of the present invention in use and showing the pivotal frame in a raised position and supporting a book;

Figure 3 is a bottom plan view of the present book holder;

Figure 4 is a transverse vertical sectional view taken substantially on the plane of section line 4—4 of Figure 3; and,

Figure 5 is a fragmentary group perspective view illustrating the manner in which the clamping member is applied to the base.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a substantially rectangular base member generally, of preferably plastic material having an enlarged longitudinal forward portion 12 and a downwardly and rearwardly sloping surface 14.

The enlarged forward, rounded, portion 12 of

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the base member 10 is provided with a central arcuate recess 16 that receives the enlarged, arcuate portion 18 of a pressure plate or clamping member 20.

The undersurface of the base member 10 is provided with longitudinally spaced recesses 22 and 24 and the forward walls 26 and 28 of the recesses 22 and 24 respectively, are provided with notches or recesses 30 and 32 that communicate with longitudinal apertures or pin openings 34 which lead from the recess 16.

Headed fasteners or pivot pins 36 extend through apertures 34 and engage recesses or sockets 38 formed in the sides 40 of the enlarged portion 18 of the pressure plate 20.

The sides 40 of the portion 18 are provided with notches 42 that receive coil springs 44 having spaced and angulated end portions 46 and 48 which are received in openings 50 and 52, respectively, formed in the portions 12 and 18 to normally urge the pressure plate 20 against the sloping surface 14.

Depending from the corners 54 of the base member 10 are resilient feet or pads 56 that support the base member 10 in an elevated position above a supporting structural element.

The numeral 58 represents a substantially U-shaped wire frame member generally, the leg portions 60 of which terminate in substantially L-shaped projections 62 that are received in recesses 64 in the transverse sides of the base member 10. The free extremities of the projections 62 are yieldingly retained in suitable sockets 66 provided in the recesses 64 and the longer legs of the projections 62 bear against the lower walls 68 of the recesses 64 when the frame 58 is raised to a substantially vertical position as shown in Figure 2.

The central portion of the web 70 for the frame 58 is bent inwardly to provide a substantially V-shaped saddle for supporting a book 72, and when the frame 58 is moved to a folded or lowered position, the web 70 is received in a substantially V-shaped channel member or rib 74 integrally formed with the portion 18 of the pressure plate 20 (see Figure 1).

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is

susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A book holder comprising a base, a substantially U-shaped frame including a pair of spaced end portions and a web joining said end portions, the end portions of said frame terminating in L-shaped inwardly extending projections, the free extremities of said L-shaped projections being pivoted to said base and the remaining portions of said projections forming bearing elements engaging said base for supporting said frame in a substantially vertical position, said base having a recess, an elongated clamping plate having one end mounted in said recess, means pivotally securing said one end of said clamping plate to said base, means normally urging said clamping plate into said recess, and a channel member integrally formed with said one end of said clamping plate disposed transversely of said clamping plate for receiving the web of said U-shaped frame.

2. The combination of claim 1 wherein said last mentioned means includes a resilient member having spaced end portions anchored to said plate and said base respectively.

3. A book holder comprising an elongated hollow base including forward and rear end portions and a downwardly and rearwardly sloping surface for supporting a book in a vertically inclined position, the forward end portion of said base having a recess therein, a pressure plate having an enlarged arcuate portion received in the recess and a further portion overlying the base, said arcuate portion having side edges, pivot pins carried by the forward end of said base extending into the side edges of said arcuate portion, and a coil spring embracing each of said pins, each of said springs having an end portion anchored to said base and an end portion anchored to said arcuate portion for yieldingly urging the pressure plate against the sloping surface, said side edges of said pressure plate having notches therein receiving said coil springs.

4. A book holder comprising an elongated hollow base including forward and rear end portions and a downwardly and rearwardly sloping surface for supporting a book in a vertically inclined position, the forward end portion of said base having a recess therein, a pressure plate having an enlarged arcuate portion received in the recess and a further portion overlying the base, said arcuate portion having side edges, the under surface of said forward end portion having a pair of spaced depressions therein also spaced from said recess, said forward end portion also including a pair of pin openings extending from said recess and to said depressions, pivot pins received in said openings and having end portions extending into the side edges of said arcuate portion, said pins also having head portions positioned in said depressions, and springs supported by said pins and terminally secured to said base and said arcuate portion for yieldingly urging the pressure plate toward the sloping surface of said base.

MARY JEANNE STONE.

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