No. 871,610. PATENTED NOV. 19, 1907.

W. C. NASH.

BOOK CLIP AND LEAF SUPPORT.

APPLICATION FILED APR. 10, 1907.

Fig. 1.

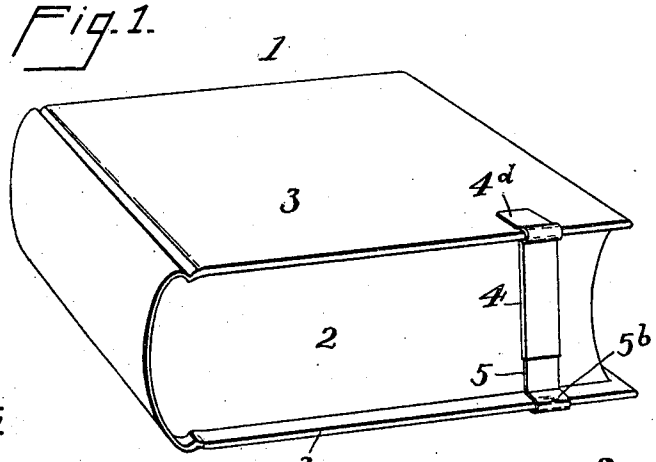


Fig. 6.

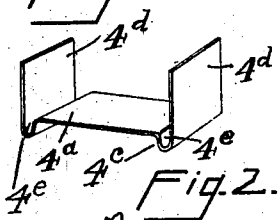


Fig. 2.

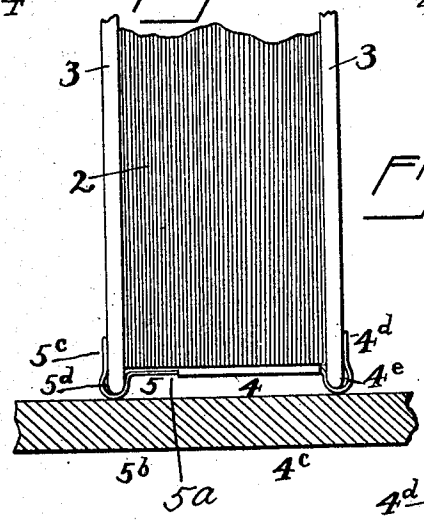


Fig. 3.

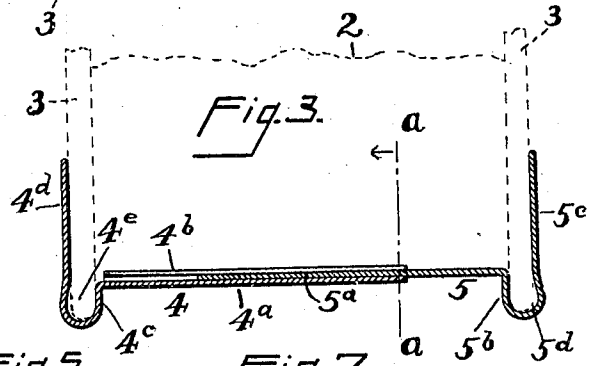


Fig. 5.

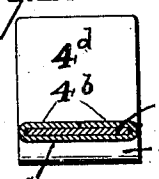


Fig. 7.

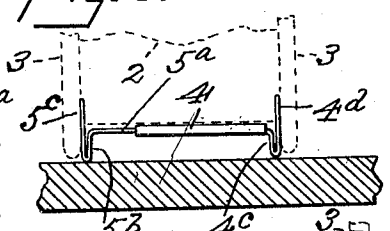
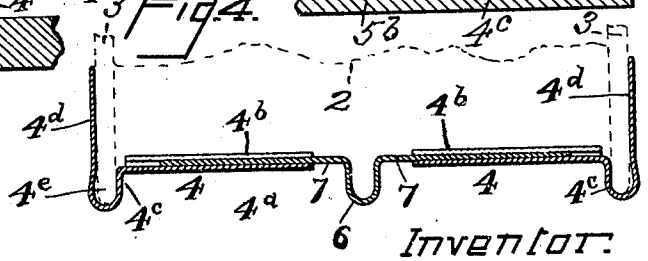


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

WALTER C. NASH, OF MIAMI, OHIO.

BOOK-CLIP AND LEAF-SUPPORT.

No. 871,610. Specification of Letters Patent. Patented Nov. 19, 1907.

Application filed April 10, 1907. Serial No. 367,404.

To all whom it may concern:

Be it known that I, WALTER C. NASH, a citizen of the United States of America, and a resident of Miami, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Book-Clips and Leaf-Supports, of which the following is a specification.

This invention relates to improvements in clip-supports for use in preventing the lower fore edge of the leaves of a closed book from sagging when the book is in an upright position on a shelf or elsewhere, and the principal objects of the invention is to provide means to prevent the upper bound edge or back of the book from collapsing inwardly and obviating any strain on the binding of the book.

The invention consists in certain novel features of the construction, combination and arrangement of the several parts of the improved book clip and leaf support, whereby certain important advantages are attained and the device is rendered simpler, cheaper and otherwise better adapted and more convenient for use, all as will be hereinafter fully set forth.

The novel features of the invention will be carefully defined in the claims.

In the accompanying drawings, which serve to illustrate my invention, Figure 1 is a perspective view of a book, shown lying on its side and provided with one of my clip-supports in position for use; Fig. 2, a front elevation of the fore lower portion of a book showing one of my improved clip-supports in position thereon and showing a book supported upright on a fragmentary portion of a shelf; Fig. 3, a central longitudinal section, on a larger scale, of my book clip-support, (but the reverse of that seen in Fig. 2) showing in dotted lines a fragmentary portion of the book supported thereby; Fig. 4, a central longitudinal section of my clip-support, comprising three members, the central portion thereof forming a third leg or support for the middle of a very broad or thick book; Fig. 5, a transverse section of the clip-support shown in Fig. 3, taken on line *a*, *a*; Fig. 6, a perspective view of my clip-support for use on narrow books, such device being made in a single piece instead of several telescopic pieces or members such as are shown in the other views; and Fig. 7, a view similar to Fig. 2, but with the device shown in position between the covers and in a modified form, the book being dotted.

1 represents a book having leaves 2 and lids or covers 3, 3, as customary.

My clip-support is preferably made of two members 4 and 5, member 4 having a body portion 4^a with overturned sides 4^b, 4^b, the latter being spaced above the body portion and the outer end of such body portion being downwardly-turned at 4^c and then upwardly-turned at 4^d, a space or socket 4^e being provided between the upturned end 4^d and the downwardly-turned portion 4^c, and member 5 having a plane body portion or tongue 5^a that is adapted to slide within or telescope the overturned body portion of member 4 and being downwardly-turned at 5^b and then upwardly-turned at 5^c, at its outer end, with a suitable space 5^d between its downwardly and upwardly turned portions, like unto the outer end of member 4. These two members 4 and 5 form a clip made preferably of sheet-metal somewhat resilient and adapted to be sprung in place under the fore edge of a book, the lower fore edges of the book covers or lids resting in the spaces or pockets formed at the outer ends of said members and the telescopic body portions of said members forming a stiff support between said covers or lids for sustaining the leaves in a level or horizontal position, free from sagging. The resiliency of the metal serves to make the upright arms at the outer ends of the clip cling to the outer faces of the book-covers, but not with sufficient friction to injure the book when the clip is to be removed for opening it. The clip can, however, be removed without sliding it from the book, by simply drawing its two parts outward, and at the same time throwing the covers outward slightly for opening the book. The clip may be likewise readily placed in position on the book without abrading the surface of the covers. The two part telescopic feature of the clip renders it longitudinally adjustable to adapt it to books of varying thicknesses, as well as to facilitate its release from or placing on the books.

In Fig. 4, I have shown the clip as being made of three parts instead of two, two of the members being made similar to the female member 4 above described, and I enumerate both said members as 4, 4. A middle member having a pendent vertical portion 6 and oppositely-turned horizontal portions form-

ing tongues 7, 7, is provided, such tongues engaging the female portions 4, 4 for adjustment of the latter in adapting the device to use on varying thicknesses of books and the vertical portion 6 forming a middle support especially adapted to books of greater thickness than the device seen in Figs. 1, 2 and 3 would be capable of supporting.

In Fig. 6, I have shown a clip made of a single piece of sheet-metal having its opposite outer ends downwardly and upwardly turned similar to the clips shown in the previous figures, but the central body portion 4^a is not telescopic nor adjustable. This form is adapted for use on standard or constant thicknesses of books only, as is obvious.

In Fig. 7, I have shown how my device is made to adapt it for use between the lids or covers of the book, which may be preferred, as it will not abrade contiguous book lids or become detached when the book is taken from the shelf or placed thereon.

I claim:—

1. A supporting-clip for books comprising a horizontal body portion or bar having each of its opposite ends downwardly and then upwardly turned with a suitable space between said downwardly and upwardly turned portions, such space being adapted to receive or pocket the fore lower edges of the book covers and the body portion being adapted to support the fore lower edges of the leaves above the shelf.

2. A supporting-clip for books comprising a longitudinal bar or body portion having each of its integral opposite outer ends downwardly turned in parallel lines and then upwardly turned with a suitable space or pocket between said oppositely turned parallel portions, and said extreme outer upwardly turned parallel portions extending above the level of the body portion and made of resilient material.

3. A supporting-clip for books comprising a longitudinal bar of two telescopic members, such bar having each of its outer opposite ends downwardly turned below its level and then each extended upwardly beyond its level with a suitable interval or space between said downwardly and upwardly turned portions, the upwardly turned extensions being under resilient tension to properly clasp the covers of the book and the said bar being adapted to support the fore portion of the closed leaves of the book above the shelf on which the book stands.

4. A supporting-clip for books comprising a body portion having each of its opposite ends made tubular part way and then downwardly and then upwardly turned below and above its level, respectively, such body portion being made in three parts one of which is the middle part having a downwardly-extending leg or vertical projection terminating in the same horizontal plane with the downwardly-turned end portions of the other two opposite end members and such middle portion being laterally extended from said vertical projection into and telescopically engaging the other two members for longitudinal adjustment to suit thick books.

Signed at Cincinnati, Ohio, this 1st day of April, 1907.

WALTER C. NASH.

Witnesses:
JOHN ELIAS JONES,
NORMA KEISER.