May 8, 1945. H. P. BOTTS 2,375,190

BOOK MOUNTING

Filed Jan. 13, 1944

Fig. 1.

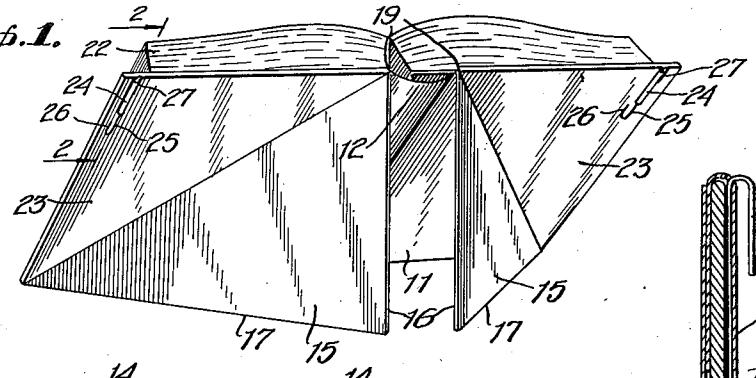


Fig. 2.

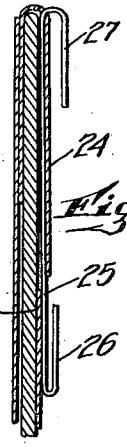


Fig. 3.

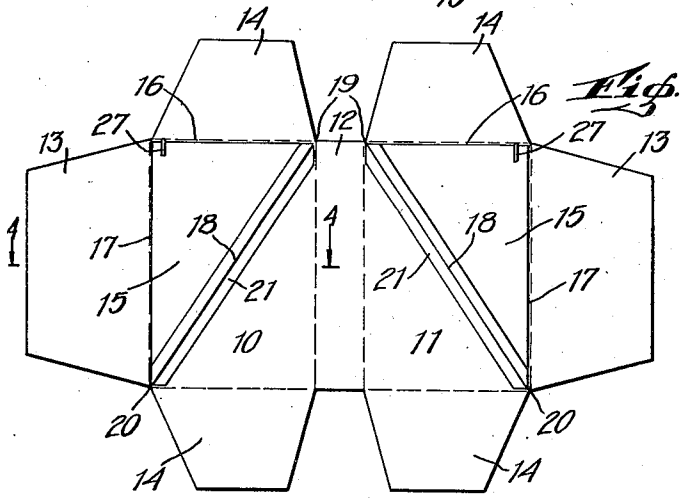


Fig. 4.

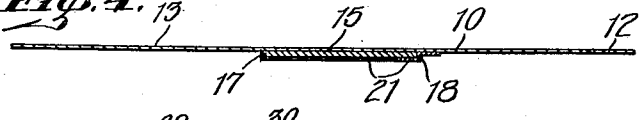


Fig. 5.

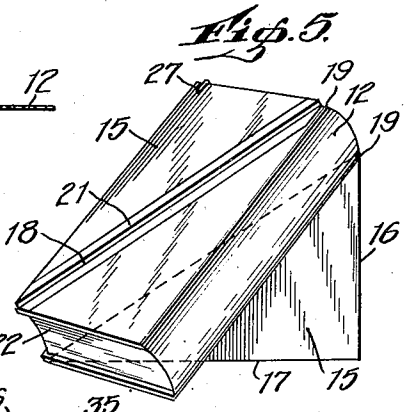


Fig. 6.

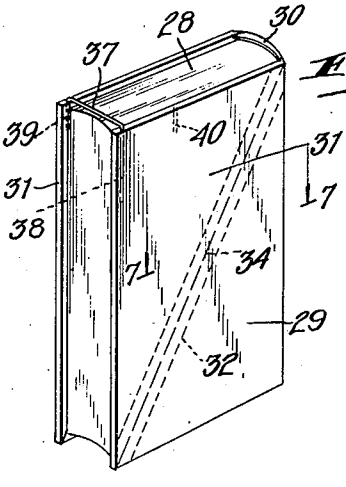
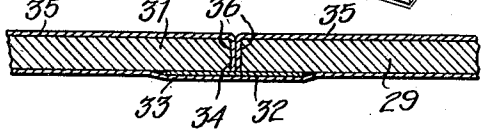


Fig. 7.



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BOOK MOUNTING

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Application January 13, 1944, Serial No. 518,187

12 Claims. (Cl. 281—33)

This invention relates to books of various kinds and classes. More particularly, the invention relates to the provision of means on the cover portions of a book for supporting the book in an inclined position in the operation of reading a book or in the display thereof. The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed, and in which the separate parts are designated by suitable reference characters in each of the views; and in which:

Fig. 1 is a perspective view showing one adaptation of the invention in the form of a book cover illustrating the book and cover in extended operative position.

Fig. 2 is a partial section on the line 2—2 of Fig. 1 on an enlarged scale.

Fig. 3 is a plan view of the book cover detached.

Fig. 4 is a partial section on the line 4—4 of Fig. 3.

Fig. 5 is a perspective view of a book with the cover thereon showing the displayed position thereof.

Fig. 6 is a perspective view of a book showing the same in closed position and showing a modification, and

Fig. 7 is a partial section on the line 7—7 of Fig. 6 on an enlarged scale.

In the operation of reading books, it has been a difficult problem to support a book, particularly those of large volumes in the operation of reading the same. Many types and kinds of book supports and holders have devised for this purpose. It is the object of my invention to provide means which will form a part of the book for supporting the same in position for reading while, at the same time, forming a support for displaying the book on a counter or in a window in an inclined position. In one instance, the desired result is accomplished in the form of a more or less conventional book cover which may be readily attachable and detachable with books of more or less standard sizes. In the other instance, the desired result is accomplished by a special construction of the original book binding, so as to form of the original binding foldable sections which can be used for the purposes stated.

In Figs. 1–4, inclusive, I have shown the invention as applied to a book cover. The cover is shown in extended detached position in Fig. 3 of the drawing and comprises two cover parts 10 and 11 joined by a binder section 12. Each cover part includes outer flaps 13 and top and bottom or side flaps 14 foldable upon the inner surface of the book covers in the usual manner. In some instances, the flaps 13, 14 are secured together in forming more or less permanent covers and any means for coupling these flaps may be provided.

In Fig. 4 of the drawing is shown a cross-section through one side portion of the book cover, the section being taken through the cover sheet 10 and its associated flap 13 and, as both sides of the book cover are of the same construction, the brief description of one side will apply to both. Arranged upon substantially one-half of the cover sheets 10, 11 is a triangular easel or supporting flap 15. The flap 15 is composed of a relatively stiff or rigid cardboard or fibre sheet or sheet of any other rigid material, depending upon the material employed in the cover. At this point, it is well to point out that, in inexpensive constructions, the cover may be composed of paper, whereas in some expensive covers, the sheeting material may be composed of leather, imitation leather or other suitable materials.

The flap 15 has outer edges bordering the top edge 16 of the covers 10, 11 and the outer edges 17 thereof; whereas the diagonal edge 18 extends from the corner 19 to the corner 20 of the cover sheets. Arranged along the edge 18 is a hinge strip 21 which is secured to the member 15, as well as to the sheets 10, 11; thus the member 15 can lie flushly upon the sheet 10 or be extended into the position shown in Figs. 1 and 5 in supporting an open book 22 in inclined readable position or in the closed display position, shown in Fig. 5. In both instances, the edge 17 of the member or members 15 rests upon the table or other support; whereas the edge 16 extends perpendicularly to the corners, as at 19.

That part of the cover sheets 10—11, disposed beneath the members 15, when in collapsed position upon the cover of the book and designated by the reference character 23 in Figs. 1 and 2, are each cut out adjacent the upper corner thereof to form tubular portions 24, in which are arranged fine wires 25 having a lower hook end 26 and an upper hook end 27. These hook ends retain the devices 25 against displacement from the binding and the upper hook end 27 is movable in position to lie over the members or flaps 15 when in collapsed position, as seen in Fig. 3 of the drawing and also illustrated in Fig. 5 to support the members or flaps 15 upon the portions 23. By pulling up on the loops 27, the members 15 can be freely released for movement into the extended positions, as shown in Figs. 1 and 5.

It will be understood that in the more expensive type of covers, the hinge strips 21 can be concealed beneath a facing sheet. In such instances, the covers will possibly be interlined with stiffening members to give added strength and rigidity thereto.

In Figs. 6 and 7 of the drawing, I have shown the invention as applied to the binding or cover structure proper of the book instead of as a cover attachment to a book as in Figs. 1–5 inclusive. In Fig. 6, 28 represents a book. This book will have on opposite sides and lower rear corners thereof normal cover portions 29 united through the back binding 30. However, the upper front corner portions or triangular section 31, instead of being integrally united with the sections 29, will be made independent and joined through the medium of a hinge strip 32, note Fig. 7 of the drawing, this strip being arranged inwardly of the usual cloth or other facing sheet 33, provided on both of the sections 29, 31. In other words, the book binding or cover will be made up in the usual way except to split the front and book covers along the diagonal line 34 into the fixed sections 29 and the foldable sections 31. It is also preferred that the inner facing sheets 35 of the sections 29 and 31 be extended into and cover the adjacent edges of the parts 29, 31, as indicated at 36 in Fig. 7 of the drawing, in order to present a neat and finished appearance, particularly when the sections 35 are extended into the book supporting positions, such as shown in Figs. 1 and 5 of the drawing. With structures of this type and kind, the upper edge portions of the leaves of the book become readily accessible for turning. However, the fixed sections 29 will serve to maintain and support the leaves in proper position. With structures of the kind shown in Fig. 6, a coupling wire loop or strand 37 will be provided with a long end 38 mounted in one section 31 and a short end 39 mounted in the other section 31 to couple the sections 31 in supporting the book in closed position. This is desirable not only from the standpoint of maintaining the sections 31 in closed position when the book is not in use, but also serves to maintain the book as a whole in better condition and prevents the usual spreading, particularly when books are not retained in a pressed condition. One section 31, in other words, the section having the support for the long end 38 of the coupling loop or yoke 37 also has an aperture or socket 40 for receiving the end 39 when the sections 31 are extended for the intended purposes.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. A book cover comprising a flat sheet of material fashioned to form cover receiving end portions joined by an intermediate binder cover portion, said first named end portions each having a triangular member foldable with respect thereto and adapted to normally lie in horizontal position upon outer surfaces of said portions, said triangular portions being extendible to form means supporting a book arranged in said cover in inclined position, and said triangular portions being foldable on a diagonal line extending from the inner, upper corners of the first named end portions to the outer lower corners thereof.

2. A book cover comprising cover portions joined by a binding portion, each cover portion comprising two sections, adjacent sections of said cover portions being joined by said binding portion, the other sections of said cover portions joining the first sections in hinges extending from the upper inner corners to the lower outer corners of said cover portion, and said last named sections being adapted to be extended beyond the first sections in supporting a book in an upwardly inclined position.

3. A book cover comprising cover portions joined by a binding portion, each cover portion comprising two sections, adjacent sections of said cover portions being joined by said binding portion, the other sections of said cover portions joining the first sections in hinges extending from the upper inner corners to the lower outer corners of said cover portion, said last named sections being adapted to be extended beyond the first sections in supporting a book in an upwardly inclined position, and means at upper outer corners of each cover portion for supporting the last named sections in collapsed position with respect to the book covers.

4. A book cover comprising a flat sheet of material fashioned to form cover portions for the book covers joined by an intermediate binder portion, said first named portions each having at upper outer corner portions a triangular member, means extending from the upper inner corner of each cover portion to the lower outer corner thereof for foldably coupling said members with said cover portions, said members normally lying in horizontal position upon outer surfaces of said cover portions, and said members being extendible to form means supporting a book arranged in said cover in inclined position.

5. A book cover comprising a flat sheet of material fashioned to form cover portions for the book covers joined by an intermediate binder portion, said first named portions each having at upper outer corner portions a triangular member, means extending from the upper inner corner of each cover portion to the lower outer corner thereof for foldably coupling said members with said cover portions, said members normally lying in horizontal position upon outer surfaces of said cover portions, said members being extendible to form means supporting a book arranged in said cover in inclined position, and means at corners of said cover portions for supporting said members against displacement when in horizontal position.

6. A book cover comprising a flat sheet of material fashioned to form cover portions for the book covers joined by an intermediate binder portion, said first named portions each having at upper outer corner portions a triangular member, means extending from the upper inner corner of each cover portion to the lower outer corner thereof for foldably coupling said members with said cover portions, said members normally lying in horizontal position upon outer surfaces of said cover portions, said members being extendible to form means supporting a book arranged in said cover in inclined position, means at corners of said cover portions for supporting said members against displacement when in horizontal position, and said last named means comprising retaining devices movably supported in connection with said cover portions.

7. A book cover comprising a flat sheet of material fashioned to form cover portions for the book covers joined by an intermediate binder portion, said first named portions each having at upper outer corner portions a triangular member, means extending from the upper inner corner of each cover portion to the lower outer

corner thereof for foldably coupling said members with said cover portions, said members normally lying in horizontal position upon outer surfaces of said cover portions, said members being extendible to form means supporting a book arranged in said cover in inclined position, the material of said cover being flexible, and said members being composed of rigid material.

8. The combination with a book, of means constituting part of the cover of the book for supporting the book in inclined position, said means comprising a member of rigid material, and means extending from an upper inner corner to a lower outer corner of the cover for hingedly supporting said member to move into an extended position with respect to the cover in supporting said book.

9. The combination with a book, of means constituting part of the cover of the book for supporting the book in inclined position, said means comprising a member of rigid material, means extending from an upper inner corner to a lower outer corner of the cover for hingedly supporting said member to move into an extended position with respect to the cover in supporting said book, and means for retaining said member in normal collapsed position.

10. The combination with a book, of means constituting part of the cover of the book for supporting the book in inclined position, said means comprising a member of rigid material, means extending from an upper inner corner to a lower outer corner of the cover for hingedly supporting said member to move into an extended position with respect to the cover in supporting said book, means for retaining said member in normal collapsed position, and said last named means joining opposed covers of the book to retain the book covers in closed position.

11. In a book having relatively stiff cover portions, means dividing the cover portions into normal cover sections and sections foldable with respect to the normal sections, said means extending from lower outer corners to upper inner corners of the cover portions, means supporting the foldable sections in alinement with the normal sections in the closed position of the book, and said foldable sections being extendible to support the book in an inclined position.

12. A book cover comprising a flat sheet of flexible material fashioned to form cover portions joined by an intermediate binder portion, each cover portion having at upper lower and outer edges foldable flaps facilitating mounting of the cover portions upon the covers of a book, triangular members of rigid material arranged on upper outer corner portions of each cover portion, means extending diagonally on the cover portions from upper inner corners to outer lower corners thereof for hingedly joining said members with the cover portions, said last named means extending along one edge of said members, and the other edges of said members being arranged substantially in alinement with upper and outer edges of said cover portion when said members are in collapsed position thereon.

HUGH P. BOTTS.