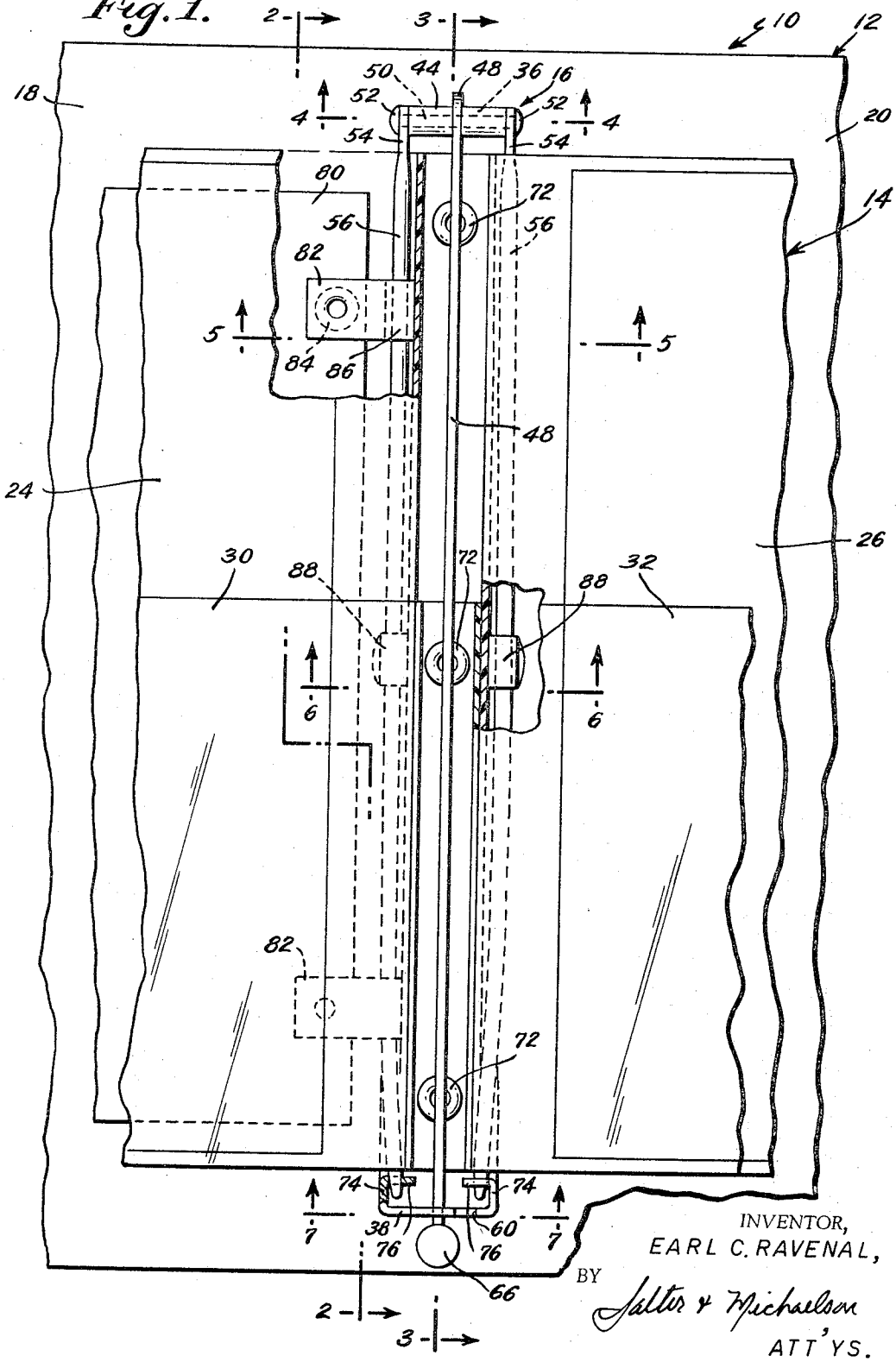
Oct. 17, 1967 E. C. RAVENAL 3,347,243

COVER AND BINDER CONSTRUCTION

Filed June 27, 1966 3 Sheets-Sheet 1

Fig. 1.



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COVER AND BINDER CONSTRUCTION

Filed June 27, 1966 3 Sheets-Sheet 2

Fig. 2.

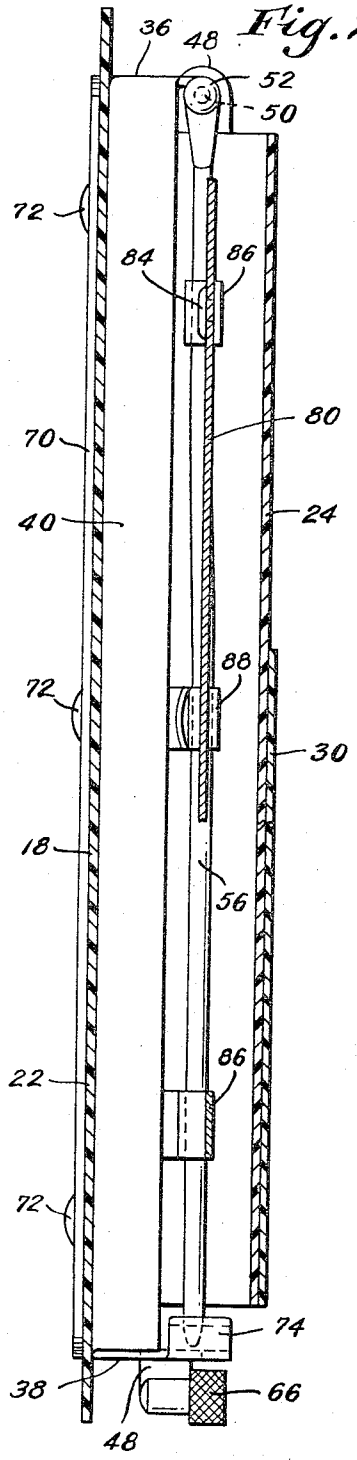
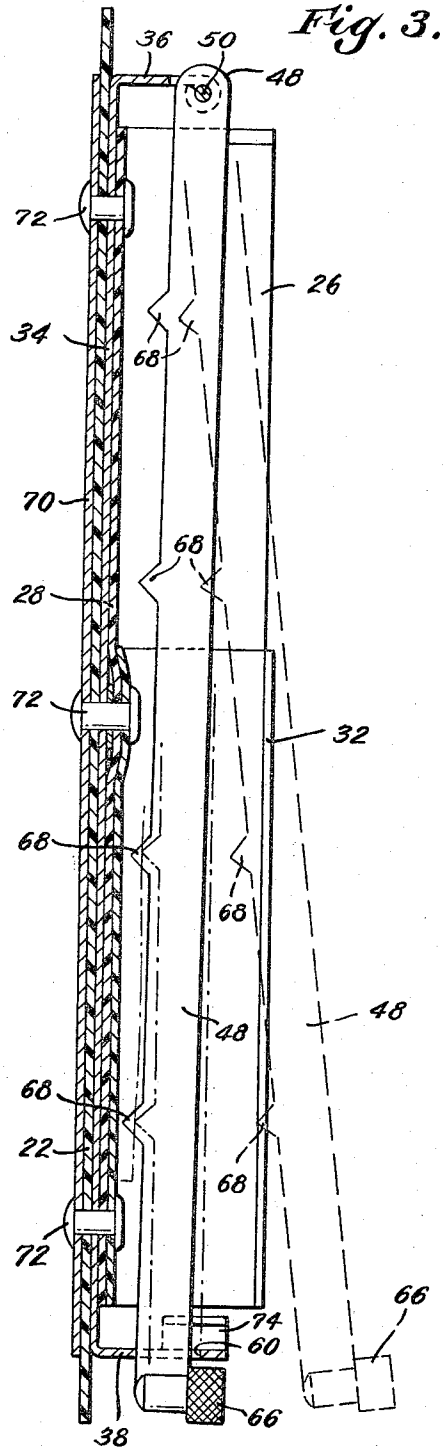


Fig. 3.



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COVER AND BINDER CONSTRUCTION

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Fig. 4.

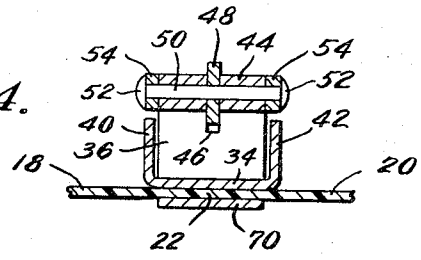


Fig. 5.

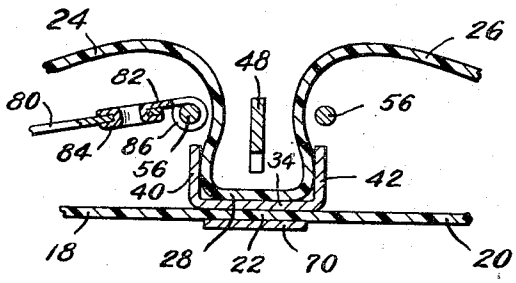


Fig. 6.

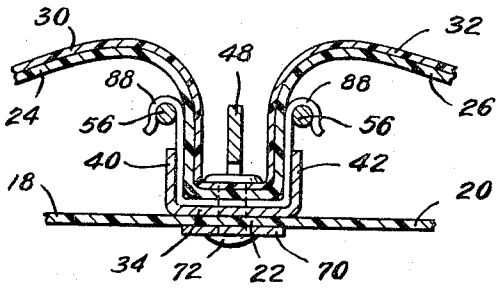
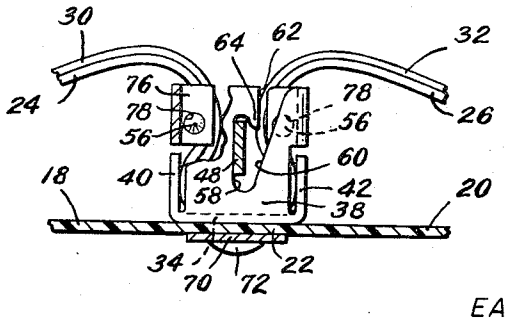


Fig. 7.



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United States Patent Office 3,347,243 Patented Oct. 17, 1967

3,347,243

COVER AND BINDER CONSTRUCTION

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Filed June 27, 1966, Ser. No. 560,634
3 Claims. (Cl. 129—38)

ABSTRACT OF THE DISCLOSURE

A cover and binder construction comprising an outer cover having a binder unit located interiorly thereof at its spine portion, an inner cover permanently secured to said binder unit, and means carried by the binder unit for releasably mounting a magazine or the like within the inner cover, said binder unit further having means for pivotally and releasably mounting an advertising sheet or the like between said inner and outer covers.

The present invention relates to a cover and binder construction in which paper-bound books such as magazines or the like are adapted to be mounted. More particularly, the present invention relates to a binder and cover construction for mounting paper-bound articles therein and includes a unique binder unit to which an inner advertising cover is secured and on which removable advertising sheets are mounted.

The binder construction of the present invention has particular application in providing a protective covering for paper-bound magazines and the like and as such may be utilized in those locations to which the general public has general access, such as on commercial airplanes, professional waiting rooms and business lobbies and waiting rooms. Heretofore the covers as used for magazines or the like have consisted essentially of a simple cover member and any convenient holding member for securing the magazine within the cover member. In addition to providing a protective cover for a paper-bound book such as a magazine or other periodical, the present invention includes an inner cover on which advertising material may be imprinted, the inner cover further being provided with inner pockets for receiving pamphlets or other descriptive material therein. Since one of the novel features of the present invention is providing means for displaying advertising material in conjunction with a magazine or the like as mounted in a cover assembly, the device as constructed herein includes a novel binder assembly that not only secures the magazine in place between the covers of the cover assembly but further provides for removably mounting selected advertising sheets therein. In this connection the binder of the present invention assembly is provided with an elongated arm for securing the magazine or periodical within the cover assembly and further includes elongated rods on which the advertising sheets may be removably mounted. As distinguished from the covers known heretofore, the cover assembly of the present invention includes an inner cover in addition to the outer cover, the inner cover and the removable sheets defining areas on which advertising or other descriptive material may be imprinted.

Accordingly, it is an object of the present invention to provide a cover and binder construction having an outer cover in which an inner cover is mounted, a removable sheet being disposed between the inner and outer covers.

Another object of the invention is to provide a binder unit for use in a cover assembly that includes a mounting arm for securing a magazine or other paper-bound book within the cover assembly and that further includes means for mounting a removable sheet within the cover assembly.

Still another object is to provide a binder unit for use in a cover assembly that is adapted to accommodate magazine or paper-bound books of various sizes, wherein the inserted book or magazine is prevented from endwise movement with respect to the binder unit.

Still another object is to provide a binder construction that includes an outer cover and an inner cover located within the outer cover, a binder unit attaching the inner cover to the outer cover and further providing for pivotal mounting of an advertising sheet between the inner and outer covers.

Other objects, features and advantages of the invention will become apparent as the description thereof proceeds when considered in connection with the accompanying illustrative drawings.

In the drawings which illustrate the best mode presently contemplated for carrying out the present invention:

FIG. 1 is an enlarged fragmentary plan view with parts shown in section of the cover and binder construction embodied herein as seen in the open position thereof and prior to the mounting of a magazine therein;

FIG. 2 is a sectional view taken along lines **2—2** in FIG. 1;

FIG. 3 is a sectional view taken along lines **3—3** in FIG. 1;

FIG. 4 is a sectional view taken along lines **4—4** in FIG. 1;

FIG. 5 is a sectional view taken along lines **5—5** in FIG. 1;

FIG. 6 is a sectional view taken along lines **6—6** in FIG. 1; and

FIG. 7 is a sectional view taken along lines **7—7** in FIG. 1.

Referring now to the drawings, the cover and binder construction embodied herein is generally indicated at **10** and is adapted to receive therein a paper-bound book, magazine, or periodical for the protection thereof when used. As employed for protective purposes the binder and cover construction **10** has particular application and use in those locations to which the public has access, such as on commercial airplanes, other commercial transportation media, professional offices, and other waiting areas. As will be described, one of the novel features of the invention is the provision of an inner cover on which advertising or other informative material is adapted to be imprinted. In addition to the inner cover that is located within the outer cover, the present invention further includes the mounting of an advertising or display sheet within the cover and binder construction **10**.

Referring again to the drawings, the cover and binder construction **10** is shown including a cover assembly defined by an outer cover generally indicated at **12** and an inner cover generally indicated at **14** that is somewhat reduced in size with respect to the outer cover **12** and is contained wholly within the outer cover. A binder unit generally indicated at **16** secures the inner cover **14** within the outer cover **12** and as will be described also provides for securement of the magazine within the cover assembly. The outer cover **12** defines the exterior of the cover and binder construction **10** and includes a front sheet-like cover member **18** and a rear sheet-like cover member **20** to which an intermediate spine portion **22** is integrally joined. It is understood that the front and rear cover members **18** and **20** and the intermediate spine portion **22** are formed in single sheet in the fabrication thereof. Insofar as the materials from which the outer cover **12** is formed are concerned, it is preferred that any suitable plastic material be utilized, although other materials, such as cloth or leather, may be employed without departing from the spirit of the invention.

Unlike other cover and binder constructions known heretofore, the present invention incorporates the inner

cover 14 for securement to the outer cover 12. As shown in FIGS. 1, 5, 6 and 7, the inner cover 14 includes a front sheet-like cover member 24, a rear sheet-like cover member 26, and an intermediate spine portion 28 that interconnects the front and rear cover members 24 and 26. As previously described in connection with the outer cover 12, the front and rear cover members 24 and 26 and the intermediate spine portion 28 of the inner cover 14 are pereferably formed in a continuous sheet which is cut to the size required. Although not apparent from the drawings as illustrated herein, the front and rear cover members 24 and 26 of the inner cover 14 are designed to have advertising or other descriptive material imprinted thereon, and in this connection the cover and binder construction 10 has particular use in those locations in which the public is accommodated. To further provide space for insertion of advertising or other instructional information the inner cover 14 is formed with pockets 30 and 32 that are defined by overlay sheets that are fixed to the edges of the inner surfaces of the front and rear cover members of the inner cover 14. Since the front and rear cover members 24 and 26 of the inner cover 14 are preferably formed of a plastic material, the pockets 30 and 32 are conveniently secured in place by heat sealing the side and bottom edges thereof along the corresponding marginal edges of the cover members 24 and 26. The pockets 30 and 32 as formed thus provide for convenient location of various types of information or other advertising material therein as desired.

As described above, the inner cover 14 is fixed within the outer cover 12 by the binder unit 16 which as shown in FIGS. 2 and 3, includes a bottom wall 34 to which end walls 36 and 38 are integrally joined and turned at right angles with respect thereto. Side walls 40 and 42 are also joined to the bottom wall 34 and are disposed at right angles with respect thereto but are somewhat foreshortened in vertical dimension with respect to the height of the end walls 36 and 38. The bottom wall 34, end walls 36, 38 and side walls 40, 42 define an enclosed channel for receiving the bound edge of a paper-back book or magazine. As further seen in FIG. 2, the uppermost end of the end wall 36 is rolled to define a tube 44 in which a vertical slot 46 is located that also extends into the end wall 36 (see FIG. 4). In order to fix a magazine or the like within the cover and binder construction 10, an elongated arm 48 is provided and is mounted for pivotal movement on the end wall 36. The pivoted end of the arm 48 extends into the slot 46 and is formed with an opening that is aligned with the opening in the tube 44. Projecting through the rolled end 44 of the end wall 36 and through the opening in the arm 46 is a pin 50, the ends of which are peened as indicated at 52. The peened ends 52 of the pin 50 are spaced from the ends of the tube 44 for accommodating flattened ends 54 of elongated rods 56, the purpose of which will hereinafter be described.

In order to lock the arm 48 in place after the bound edge of a magazine has been inserted in the binder unit 16, the end wall 38 is formed with a slot 58 that is adapted to accommodate the free end of the elongated arm 48. A cam surface 60 communicates with the slot 58 and acts to guide the arm 48 to the locked position after insertion thereof into an opening 62 that is formed in the upper end of the end wall 38. A depending finger 64 is located adjacent to the slot 58 and is adapted to overhang the arm 48 when it is located in the slot for locking it therein. As will be described, the arm 48 is designed to be inserted between the leaves of a paper-bound magazine or periodical as placed within the inner cover 14, and when locked in place within the slot 58, the arm 48 will secure the magazine within the inner cover 14. As shown in FIGS. 1, 2 and 3, the elongated arm 48 terminates at the free end thereof in a knob 66 that provides for easy handling and movement of the arm to and from the locked position thereof. The knob

66 projects beyond the end wall 38 and thus enables the user to conveniently move the arm 48 to and from the locked position thereof when inserting a magazine within the binder or removing it therefrom.

As illustrated in FIG. 3, the elongated arm 48 is further provided with a plurality of projections 68 on the underside thereof, the projections 68 being disposed in spaced relation and being adapted to engage the center area of the magazine that is inserted within the binder unit. Thus, when the paper-bound book or magazine is mounted in position within the cover and binder construction 10, it is placed within the inner cover 14 and opened to the middle portion thereof with the leaves or pages lying flat against both the front and rear members of the inner cover 14. The elongated arm 48 is then pivoted from the open position thereof to the locked position as illustrated in FIG. 2, the cam surface 60 guiding the end of the arm 48 within the slot 58 to the locked position thereof. In the locked position, the projections 68 of the arm 48 engage the center area of the magazine and thus prevent endwise movement thereof. It is seen that the spacing of the projections 68 will provide for accommodation of magazines of various sizes within the binder unit 16 and will prevent endwise movement thereof, regardless of the size of the magazine mounted in the cover and binder construction.

The binder unit 16 is fixed in position to the inner and outer covers by a mounting strap 70 that is located on the exterior surface of the spine portion 22 of the outer cover 14. Suitable rivets 72 extend through the mounting strap 70, spine portion 22 of the outer cover 12, bottom wall 34 of the bracket assembly, and spine portion 28 of the inner cover 14. The mounting strap 70 thus cooperates with the bottom wall 34 to effectively secure the binder unit to the inner and outer covers. As further illustrated in FIGS. 5 and 6, the binder unit 16 is sandwiched between the inner and outer covers, thus essentially obscuring the major portion of the binder unit from external view.

One of the features of the invention is the insertion of an auxiliary sheet or card within the cover and binder construction, thereby providing for the display of additional advertising or descriptive material thereon. For this purpose, the pivotally mounted elongated rods 56 are provided, and, as shown in the various figures of the drawings, the elongated rods 56 extend from the end wall 36 to a point just short of the end wall 38. In order to fix the free ends of the elongated rods 56 in place, extensions 74 are formed on the end wall 38 and are turned inwardly with respect thereto, terminating in ears 76 that are disposed in parallel relation with respect to the end wall 38. Each of the ears 76 is formed with an opening 78 therein for accommodating the tapered point of the associated elongated arm 56. Since the ends of the arms 56 are adapted to extend through the openings 78, the arms are sufficiently flexible to enable them to be withdrawn from these openings when moved to the unlocked position thereof. As described, the purpose of the arms 56 is to receive an additional display or advertising as indicated at 80. As illustrated in FIG. 5, each of the display sheets 80 is provided with spaced mounting tabs 82 that are fixed to the body thereof by inturned grommets 84. The outermost ends of the tabs 82 are rolled at 86 to accommodate the elongated rods 56 therethrough, the sheets thereby being mounted for pivotal movement on the rods 56. When the sheets 80 are to be mounted on the rods 56, the rods are threaded through the rolled ends 86 of the tabs 82 and the rods are thereafter locked in place by the bowing thereof which enables the ends thereof to be inserted into the openings 78 formed in the tabs 76. Since the elongated rods 56 are flexible and will tend to collapse in the middle when the sheets 80 are mounted thereon, guards 88 are provided and are joined to the side walls 40 and 42, as illustrated in FIG. 6. In the mounted position thereof, the elongated rods 56 are

snapped under the guards **88** which retain the rods **56** in firm position for locating the sheets **80** in pivotal relation between the members of the outer cover **12** and inner cover **14**.

In use of the binder construction **10**, any suitable paper-bound magazine or book may be inserted within the inner cover **14** by first moving the arm **48** to the open position thereof, placing the bound edge of the magazine or book to be mounted within the inner cover **14** and in the channel defined by the binder unit. The arm **48** is then pivotally moved to the closed position thereof, and is firmly locked in place by applying pressure on the knob **66** so that the arm **48** is forced to move over the cam surface **60** to the slot **58** for locking engagement behind the ear **64**.

In addition to the advertising or display material that may be imprinted on the inner and outer surfaces of the sheet members of the inner cover **14**, the display or advertising sheets **80** are mounted between the members of the outer cover **12** and inner cover **14** by pivotally securing these sheets to the elongated rods **56**. This is accomplished by first releasing the rods from the guards **88** and then flexing the rods so that the ends thereof are snapped out of their corresponding openings **78** that are formed in the tabs **76**. The rolled ends of the mounting tabs **82** are thereafter threaded onto the rods **56** for pivotally mounting the sheets **80** in place. The rods **56** are then locked in position by pivotally moving them downwardly and then inserting the ends thereof into the openings **78**. Flexing movement of the rods **56** is prevented by the insertion thereof under the guards **88**.

While there is shown and described herein certain specific structure embodying the invention, it will be manifest to those skilled in the art that various modifications and rearrangements of the parts may be made without departing from the spirit and scope of the underlying inventive concept and that the same is not limited to the particular forms herein shown and described except insofar as indicated by the scope of the appended claims.

What is claimed is:

1. In a cover and binder construction, an outer cover including a front member, a rear member and an intermediate spine portion, an inner cover including a front member, a rear member and an intermediate spine portion that are located interiorly of and in corresponding relation to the front and rear members and spine portion of said outer cover, a binder unit comprising an elongated bottom wall having end walls extending upwardly from opposite extremities thereof, said bottom wall being located between the spine portions of said inner and outer members, means fixedly securing said bottom wall and the spine portions of said inner and outer covers to each other, an arm pivotally connected to one of said end walls and releasably interconnected to the other end wall and substantially centrally positioned with respect to said

binder unit for removably holding a paper-bound book within said inner cover, an elongated rod pivotally connected to one of said end walls and releasably interconnected to the other end wall, said rod being located between said outer and inner covers for removably receiving a display sheet therein, whereby said display sheet will be positioned between said inner and outer covers.

2. In a cover and binder construction, an outer cover including a front member, a rear member and an intermediate spine portion, an inner cover including a front member, a rear member and an intermediate spine portion that are located interiorly of and in corresponding relation to the front and rear members and spine portion of said outer cover, a binder unit comprising an elongated bottom wall having end walls extending upwardly from opposite extremities thereof, said bottom wall being located between the spine portions of said inner and outer members, means fixedly securing said bottom wall and the spine portions of said inner and outer covers to each other, an arm pivotally connected to one of said end walls and releasably interconnected to the other end wall and substantially centrally positioned with respect to said binder unit for removably holding a paper-bound book within said inner cover, an elongated rod pivotally connected to one of said end walls and releasably interconnected to the other end wall, said rod being located between said outer and inner covers, and a display sheet having a tab secured thereto, said tab having a rolled end for slidably receiving said rod, whereby said display sheet is removably and pivotally carried by said rod, and is located between said inner and outer covers.

3. The cover and binder construction of claim **1** further characterized in that said binder unit has a guard member releasably clamping an intermediate portion of said rod, said guard preventing inadvertent removal of said rod at its aforesaid releasably connected end.

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