April 17, 1934. O. W. BODIE 1,955,049

DETACHABLE BOOK FOR REMOVABLE INSERTIONS

Filed April 15, 1933

FIG. 1

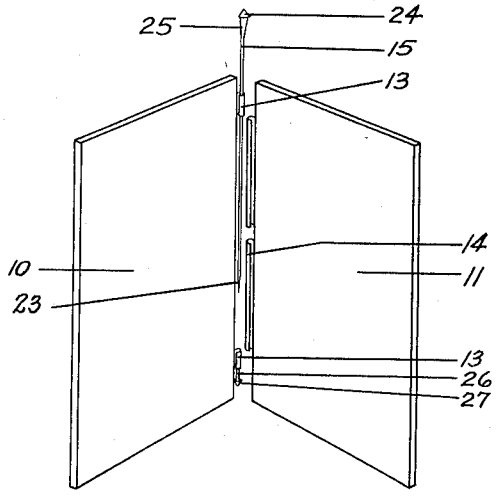


FIG. 2

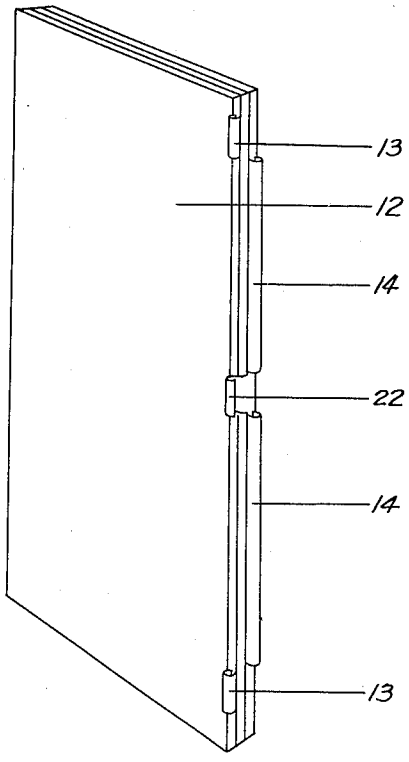


FIG. 3

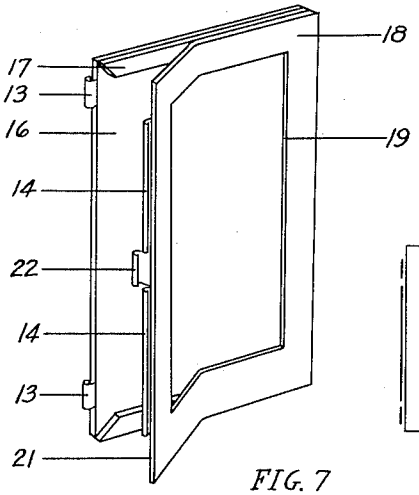


FIG. 4

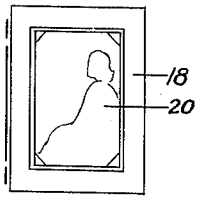


FIG. 5

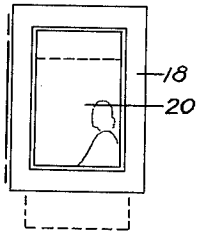


FIG. 6

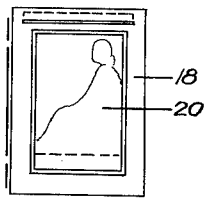
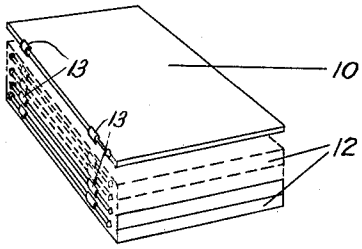


FIG. 7



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DETACHABLE BOOK FOR REMOVABLE INSERTIONS

Oliver W. Bodie, Hammond, Ind.

Application April 15, 1933, Serial No. 666,321

2 Claims. (Cl. 129—1)

My invention relates to a structure which may employ a detachable cover and removable leaves for holding displays of various sizes and shapes.

Among the objects of my invention are the following:

To create a structure wherein I may begin with a detachable cover and add leaves which removably engage each other and eventually removably fasten to a second cover; said leaves or covers are removable at any desired point in the structure.

To provide a structure wherein the narrow engaging members of the leaves and covers are placed substantially at the edge thereof and are therefore even and unobtrusive in structure and appearance.

To supply a removable leaf which may removably engage an adjoining leaf and/or cover on either side.

To create a leaf having a frame of various sizes and shapes for the insertion of pictures or like data as desired.

To provide a structure having a leaf with one side open for the insertion of a picture or the like whereby after said insertion is made the leaf may be locked at its open edge.

To create a structure wherein the same member which removably fastens the cover and leaves may also removably fasten the open edge of each leaf.

To provide a built-up structure which may be increased to any size by the addition of the desired number of leaves and which will always remain level at its extreme edges.

To create a binding member slightly and taperingly larger in certain portions so as to more securely fasten.

To provide a holding member for withdrawing said binding element by manual operation of the user, and such other objects, advantages and capabilities as will later more fully appear and which are inherently possessed by my invention.

While I have shown in the attached drawing preferred embodiments of my invention yet I wish it understood that the same are susceptible of modification and change without departing from the spirit of my invention.

Referring more particularly to the drawing: Fig. 1 is a perspective view of one embodiment of my invention; Fig. 2 is a detailed view of a leaf structure; Fig. 3 is a detailed view of one embodiment of my leaf structure; and Figs. 4, 5 and 6 are other embodiments thereof; Fig. 7 shows an assembly and space for additional leaves.

I employ, in a preferred embodiment of my invention, a front cover 10 and a back cover 11. Between these covers are leaves 12. Preferably attached to front cover 10 are a pair of narrow spaced tubular members 13 which are bent slightly upwardly on an inside edge of said front cover 10 and which engage a single narrow tubular member 14 on the back cover 11. The tubular member 14 on back cover 11 is bent slightly upwardly on an inside edge of said back cover 11 so as to be on the same plane with and engage between tubular members 13. A pin 15 is inserted preferably at the top of the tubular member 13 and extends through the top part of tubular member 13, into the tubular member 14 and into the bottom tubular member 13 thereby holding in engagement front cover 10 and back cover 11.

Leaves 12 which are to be placed between covers 10 and 11 have preferably attached to an edge of their faces a single narrow tubular member 14 bent slightly upwardly so as to be on the same plane with and engage the spaced narrow tubular members 13 of the front cover 10. The pin 15 passing through said tubular members 13 and 14 will removably engage cover 10 to leaf 12. Also on the edge of the faces of leaves 12 are attached a pair of spaced narrow tubular members 13 bent slightly downwardly so as to be on the same plane and engage with narrow tubular member 14 of the next page 12 or back cover 11.

In a preferred embodiment of my invention I employ a leaf 12, the three parts of which comprise a lower back member 16, a middle portion 17 and a top portion 18. I find it desirable to attach the middle portion 17 to the back portion 16 by suitable adhesive means. In turn I then, by suitable adhesive means, superimpose top portion 18 on middle member 17. Top member 18 has a cut-out portion 19 slightly smaller than the area of the lower back member 16 which has been left exposed after the application of middle member 17.

It will be readily seen in use that the cut-out portion 19 may be of any size or shape and this may be determined by shaping middle portion 17 and top portion 18 as desired. An insertion 20 such as a photograph or the like may be inserted by slightly raising the top portion 18 at one of its edges 21 and inserting the photograph in the space provided therefor between members 16 and 18. The middle portion 17 acts as a stop and fixes insertion 20 exactly in position. The top portion 18 is preferably affixed to middle portion

17 on all but one edge of top portion 18. This edge 21 is preferably adjacent the spaced tubular members 13 and tubular member 14. The tubular member 14 on leaf 12 is preferably fixed by adhesive means, bolts or the like to edge portion 21 of top portion 18. When the leaf 12 is secured to one of the covers 10 or 11 or another leaf 12, the edge 21 is still open thereby leaving a spread and causing the book so formed to be too bulky. There is also the danger of the insertion 20 falling out at edge 21. To prevent this, I bend a portion 22 of tubular member 14 slightly downwardly so that it is on the same plane with tubular members 13, so that when pin 15 passes through tubular members 13 it also passes through bent portion 22 and closes the pocket at the edge 21 because tubular members 13 are located on back member 16.

It is, of course, understood that the material of which I construct my covers, leaves and tubular members may vary without departing from the spirit of my invention. For example I may use metal, cloth, leather or other material for the tubular members.

The pin 15 which passes through the tubular members 13 and 14 is preferably formed with a sharp point 23 so as to increase its ease of insertion. The pin 15 has a head 24 which is useful as a gripping member and is also preferably wedge shaped by flattening a portion 25 near its head 24, so that the pin 15 will closely fit by friction the tubular members 13 and 14 and prevent the pin 15 from disengaging. The pin 15 extends substantially the length of the tubular members 13 and 14 and into a part of the lower portion of tubular member 13. The remaining lower portion of tubular member 13 on cover 10 has a fixed dummy pin 26 with head 27 to correspond in appearance with head 24 of pin 15.

In use my invention is exceedingly practical. It may be used for a portrait album, scrap book, letter file, advertising folder, illustrative catalog or the like. For purposes of illustration let us assume my invention is used for the purpose of a portrait album. The user acquires a pair of covers. Later he acquires several portraits. He then purchases leaves which have cut-out portions to fit the portraits. Each portrait is placed in position. The tubular members are fitted together, the pins slipped through and the album is formed up to date. At a later date more portraits may be added to new leaves, old portraits removed and leaves changed with reference to each other. Any capacity album may be thus created, and it is always complete without any permanent additional binding, yet is always removable as to any of its component parts.

It will also be noticed that I prefer to have the narrow tubular member 14 of substantial length and the spaced narrow tubular members 13 of correspondingly short length.

Having thus described my invention I claim:

1. A book structure adapted to be built up to any size and to be detachable at any point of said structure comprising a pair of covers, one of said covers having a pair of spaced tubular members and the other of said covers having a single tubular member, a plurality of leaves, said leaves each having a lower and an upper part with an open edge to removably receive an insertion, a pair of spaced tubular members extending outwardly from the open edge of said lower part of each of said leaves, a tubular member extending outwardly from the open edge of said upper part of each of said leaves in a different direction than said spaced tubular members, but having a bent over portion in alignment with the spaced tubular members so that a single pin may pass through said spaced tubular members and said bent over portion and lock the open edge of said leaf, said spaced tubular members on each of said covers and leaves adapted to be in alignment with a single tubular member on another leaf or cover so that a single pin may pass through said members and hold said leaves and covers in engagement.

2. In a device of the class described, a leaf having a back member, a middle frame member attached to said back member and a top member cut out to fit over said middle member so as to provide a cut-out framed portion and an open edge for the reception of an insertion, a pair of spaced tubular members on the open edge of said back member, a tubular member on said top member bent in a different direction than said spaced tubular members but having a bent over portion in alignment with the spaced tubular members, so that a single pin may pass through the spaced tubular members and said bent over portion for locking the open edge of said leaf.

OLIVER W. BODIE.