J. G. GAREIS.

BOOKBINDING.

APPLICATION FILED JUNE 26, 1916.

1,219,544.

Patented Mar. 20, 1917.

2 SHEETS—SHEET 1.

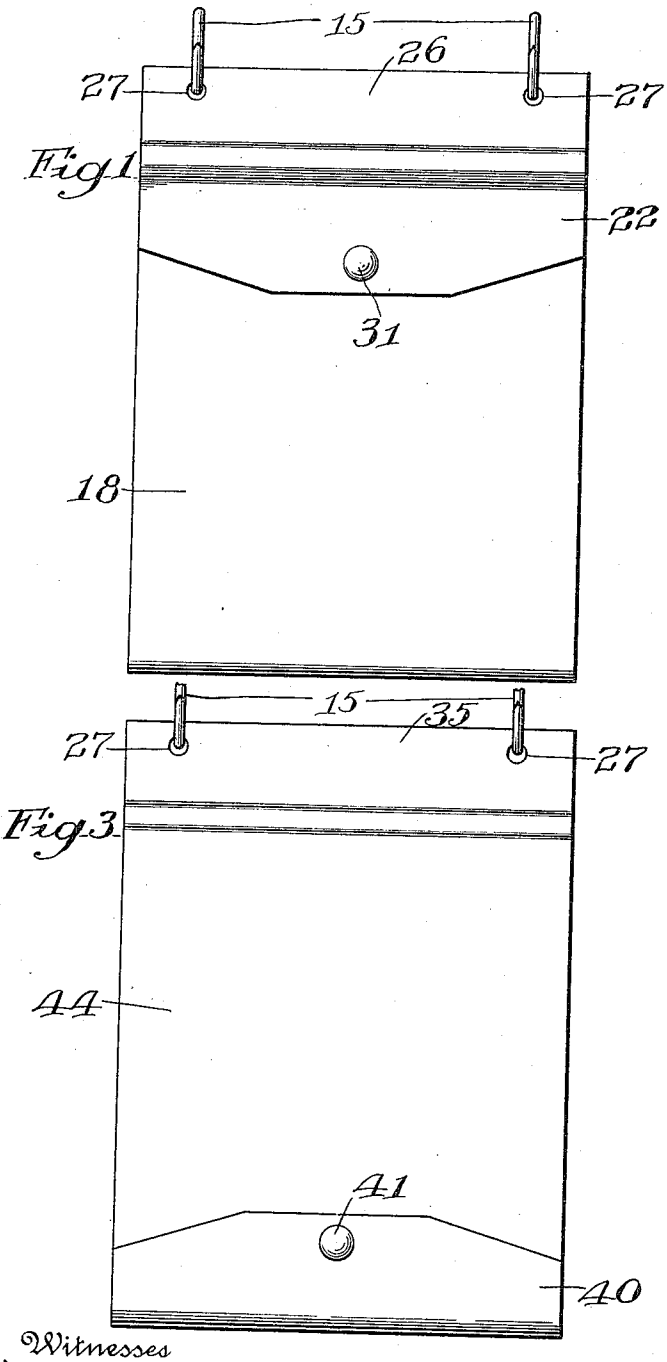


Fig. 1.

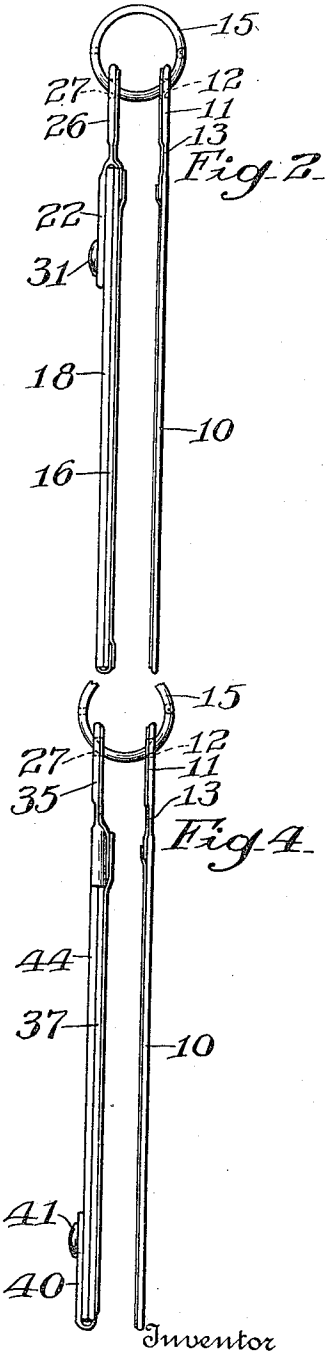


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 5.

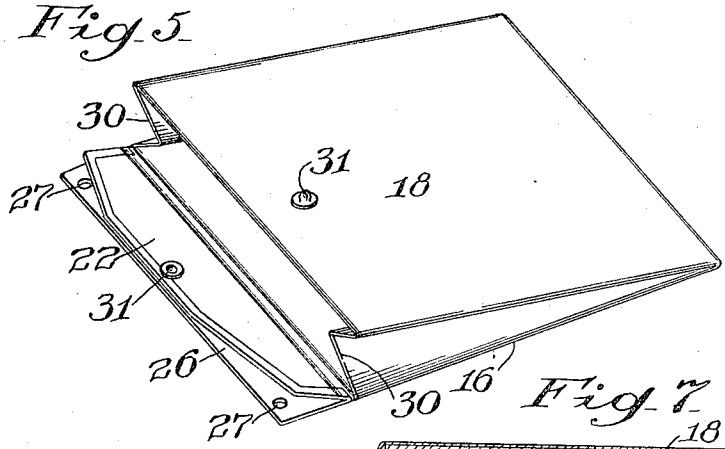


Fig. 7.

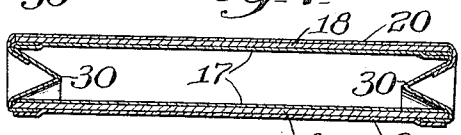


Fig. 6.

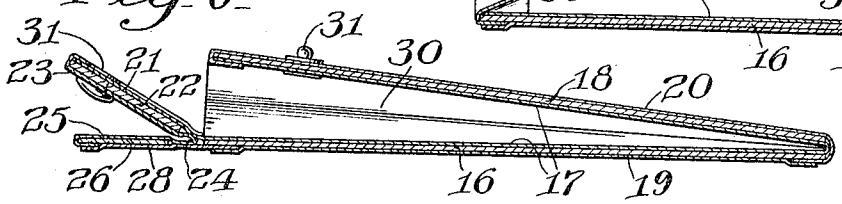


Fig. 8.

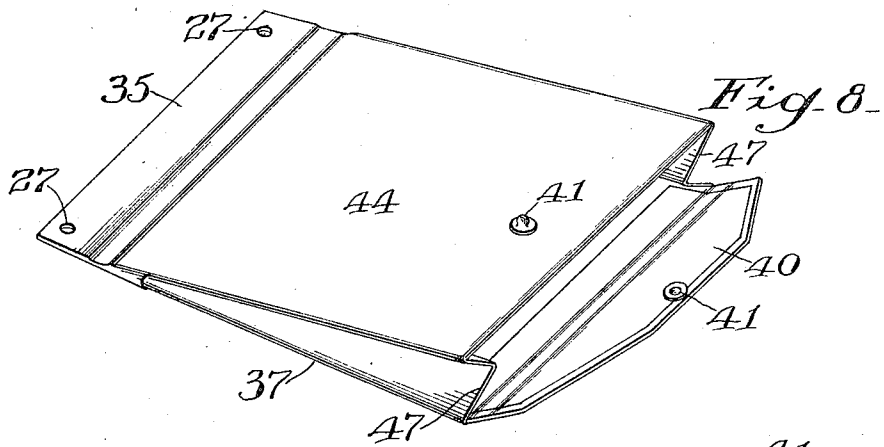
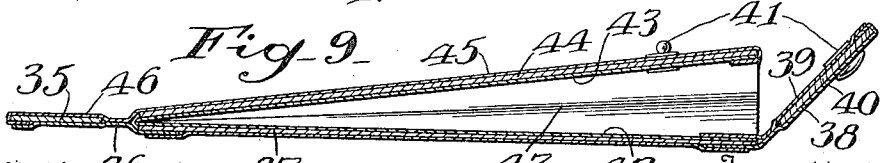


Fig. 9.



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UNITED STATES PATENT OFFICE.

JOHN G. GAREIS, OF PHILADELPHIA, PENNSYLVANIA.

BOOKBINDING.

1,219,544. Specification of Letters Patent. Patented Mar. 20, 1917.

Application filed June 26, 1916. Serial No. 105,817.

To all whom it may concern:

Be it known that I, JOHN G. GAREIS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Bookbinding, of which the following is a specification.

This invention relates to the art of bookbinding and has particular reference to that class comprising boards between which loose leaves, or replaceable sheets, are adapted to be inserted, one of said boards being also constructed to embody a pocket and a flap, both of which are formed as integral parts of said last-mentioned board.

Bindings of books comprising fixed leaves have been successfully made with both forwardly and rearwardly opening pockets, as for instance in United States Patents Nos. 1,023,466 and 1,023,834 issued to me.

But the peculiar requirements, which are met in designing and constructing a binder for loose leaves having pockets as integral parts thereof, present conditions which have to be overcome in a different manner, and it is the object of this invention to provide such a device as will meet all of the exacting demands of the user, and at the same time cost a minimum amount to manufacture.

It is also the object of the invention to provide a single binder board to which loose leaves may be removably attached, without necessitating the use of an oppositely positioned board. In either case a pocket for the reception of cards, small sheets of paper or the like, such as temporary memoranda, is provided and formed as an integral part of the said binder with a flexible flap inclosing the opening of said pocket and secured in closed position by any suitable means such as glove fasteners.

With these and other objects and advantages in view, the invention consists in certain novel details of construction and operation as fully brought out in the following description, when read in conjunction with the accompanying drawings in which Figure 1 is a front elevation of one embodiment of the invention; Fig. 2 is a side elevation of the same; Fig. 3 is a front elevation of a modified form of the device; Fig. 4 is a side elevation of said modification; Fig. 5 is a perspective view of the front binder board of the first form of the pocket and flap thereof open; Fig. 6 is a central longitudinal section of the same; Fig. 7 is a transverse section of the same; Fig. 8 is a perspective view of the modified form of binder board with its pocket and flap open; and Fig. 9 is a central longitudinal section of the form of the device shown in Fig. 8.

Referring to Figs. 1, 2, 5, 6 and 7, the preferred embodiment of the invention comprises any suitable form of back board 10, having an extension 11 on one end pierced by holes 12, and separated from the main portion of the board by a preferably wide scored section 13, or a section through which the inner stiffening material of the board does not extend, in which latter case the covering and lining together form the sole connecting means between said sections.

Secured to said back board by adjustable, or expansible, rings 15 is the front board of the binder, the latter being essential, while the former is not absolutely necessary to the operation of the device, the loose leaves (not shown) being removably secured in place by said rings, and the said back board simply serving to protect them and to stiffen the structure as a whole.

Said front cover board comprises a sheet of material 16, covered upon side by a lining 17, which also covers the adjacent side of the pocket board 18, while a covering 19, similar to the said lining, extends over the outer side of said first board and at its forward edge covers and protects an edge of a second covering 20, which continues forwardly, around the adjacent ends of said second board, thus securing the two boards together, and thence over the outer face of said pocket board to and around its rearward edge.

The lining 17 extends at one end rearwardly at 21 to form a lining for a flap member 22, while inclosing and protecting its free edge is a covering 23, which extends around and over the outer face of said member to a point 24 and thence rearwardly again to form a cover 25 for a section of material 26, through which holes 27 pass for the reception of rings 15, or other fastening means. The opposite side of the section 26 is covered by a lining 28, which is secured to the covering 25 at 24 and terminates beneath the covering 19 of the material 16.

Secured to and extending between the laterally opposite edges of the cover board 16 and pocket board 18 are gussets 30, which inclose the laterally opposite sides of the space between said members and by means of a longitudinally extending crease permit said members to be folded together in compact relation. Said gussets are secured in any suitable manner to the adjacent edge portions of the respective members thus connected, and their edges are protected beneath the overlapping edges of either the cover or lining of said members.

The pocket flap is removably secured in position in any suitable manner, as for instance by the coöperating members of the glove fastening means 31. With the construction thus presented, the section 26 is permitted to lie flatly against the adjacent surface of a pack of loose leaves, being secured thereto in any suitable manner, while the cover as a whole can be oscillated with respect thereto with the relatively thin sections of material adjacent to the point 24 acting as a hinge, in any position the pocket flap being adapted to be opened or closed and the pocket board to be moved toward or away from the main section of the said cover.

In quite a similar manner, referring to Figs. 3, 4, 8 and 9, the modified form of the invention is constructed. To a short section of stiff board 35 is secured by means of a sheet of lining 36 a cover board 37, to which in turn is hingedly mounted by means of a covering 38 and lining 39 a pocket flap 40, provided with one member of a suitable fastening means 41. The lining of said cover board is extended at the rear end to form a lining 43 of a pocket board 44, in turn covered by a sheet of material 45 at one end folded around the edge of said last-named board to protect the latter which also has secured thereto the second member of said fastening means 41. Said material 45 at its opposite end merges into the cover 46 of the section 35. The two cover and pocket boards are secured together at their laterally opposite edge portions by suitably secured gussets 47 in the same manner as those described in the first form.

In the foregoing description no reference has been made to the material to be used, as it is possible to employ any of the well-known materials used in the bookbinding art, such for instance as leather, cardboard, cloth, and the like. Furthermore, several changes can be made in the actual assembling and overlapping of the elementary parts of the device, without departing from the scope of the appended claims.

Having thus described my invention, what I claim and desire to protect by Letters Patent of the United States is:—

1. A loose leaf binder, comprising a board, an extension therefrom adapted to have leaves secured thereto, and a pocket board hingedly mounted on said first board.

2. A loose leaf binder, comprising a board, an extension therefrom adapted to have leaves secured thereto, a pocket board hingedly mounted on said first board, and a flap also secured to said first board.

3. A loose leaf binder, comprising a board, an extension therefrom adapted to have leaves secured thereto, a pocket board hingedly mounted on said first board, and a flap also secured to said first board, substantially at the point of hinged connection between said first board and extension.

4. A loose leaf binder, comprising a board, an extension therefrom adapted to have leaves secured thereto, a pocket board hingedly mounted on said first board, and gussets closing the laterally open sides of the space between said boards.

5. A loose leaf binder, comprising a board, an extension therefrom adapted to have leaves secured thereto, a pocket board hingedly mounted on said first board, gussets closing the laterally open sides of the space between said boards, and a flap adapted to close the open side of said pocket and secured to said first board at the point of the hinged connection between said board and said extension.

6. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom hingedly secured thereto, and a board hingedly secured to said extension and forming a pocket therebetween.

7. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom hingedly secured thereto, a board hingedly secured to said extension and forming a pocket therebetween, and a flap adapted to close the opening of said pocket and hingedly secured to said extension.

8. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom hingedly secured thereto, a board hingedly secured to said extension and forming a pocket therebetween, and a flap adapted to close the opening of said pocket and hingedly secured to said extension, substantially at the point of hinged connection between said board and said extension.

9. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom hingedly secured thereto, a board hingedly secured to said extension and forming a pocket therebetween, and gussets inclosing the lateral sides of the said pocket.

10. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom

hingedly secured thereto, a board hingedly secured to said extension and forming a pocket therebetween, gussets inclosing the lateral sides of the said pocket, and a flap hingedly secured to said extension and adapted to inclose said pocket.

11. A loose leaf binder, comprising a board adapted to have leaves removably secured thereto, an extension therefrom hingedly secured thereto, a board hingedly secured to said extension and forming a pocket therebetween, gussets inclosing the lateral sides of the said pocket, and a flap hingedly secured to said extension at the point of union between said first board and said extension.

In testimony whereof I have affixed my signature in presence of two witnesses.

JOHN G. GAREIS.

Witnesses:
AMY B. HORN,
J. STUART FREEMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."