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BOOKBINDING

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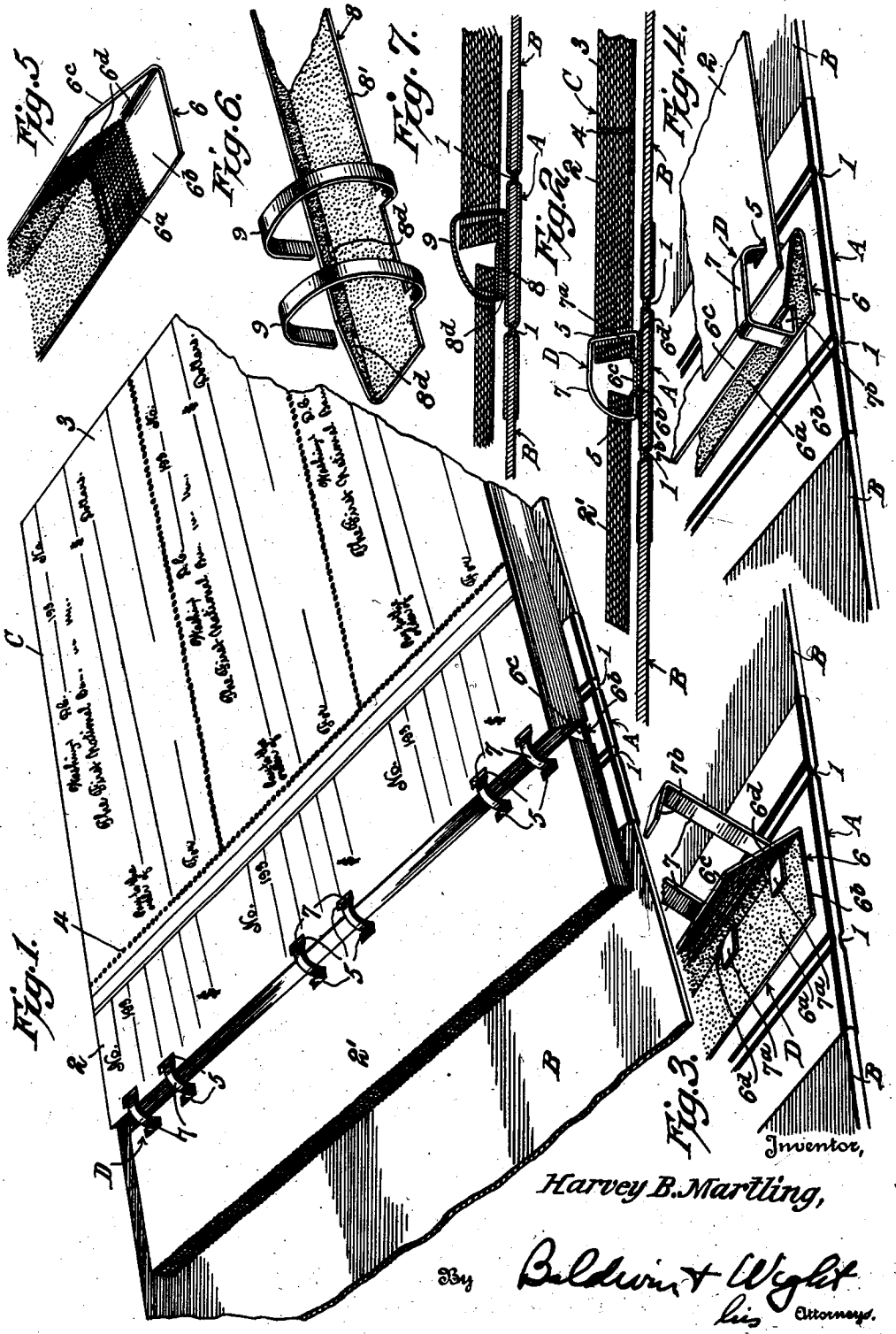

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BOOKBINDING

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4 Claims. (Cl. 281—21)

This invention relates to bookbinding and more particularly to books bound in such a way as to permit the pages or leaves to be opened out flat without any natural or inherent tendency to close upon themselves.

Binding arrangements in accordance with my invention are especially adapted for use in bank check books, note books, and other books in which it is usual to write without removing the pages. The inherent tendency of the "stub" pages or leaves of conventional check books to close upon themselves renders writing in the books rather awkward and constitutes a real annoyance. The same is true of other books which are written in, such as note books and the like. It heretofore has been proposed to bind the leaves of books of this general class in loose-leaf fashion, as by separable metal rings or the like, but apparently because of the relatively expensive or bulky construction such arrangements have not been used to any appreciable extent except in books designed for the insertion and removal of "loose leaves".

An object of my invention is to provide a book comprising an organization of parts so constructed and arranged that the pages may be opened out flat with no inherent tendency to close upon themselves, and which is of such simple, compact, and inexpensive construction as to permit its being used in place of the usual tightly bound check book or the like at little or no additional cost. Other objects will become apparent from a reading of the following description, the appended claims, and the accompanying drawing in which:

Figure 1 is a perspective view of a check book embodying the invention;

Figure 2 is a fragmentary vertical sectional view of the book shown in Figure 1;

Figure 3 is a fragmentary perspective view of the book back, back-binding member, and retaining strips showing positions occupied by the parts before insertion of the pages;

Figure 4 is a view similar to Figure 3 but showing one page in place and the other parts in a different position;

Figure 5 is a detail perspective view of a back-binding member.

Figure 6 is a detail perspective view of a modified form of back-binding member; and

Figure 7 is a view similar to Figure 2 and showing the modified form of back-binding member incorporated in my novel construction.

The invention is illustrated by way of example as embodied in a bank check book, although it will be understood that the structure disclosed may be embodied in books used for other purposes. In the embodiment shown in Figures 1 to 5 inclusive, the book comprises a back proper A, covers B—B flexibly connected to the back proper as at 1—1, a stack of leaves or pages C, and means generally designated D for securing or binding the leaves to the back A. Each leaf or page comprises stubs 2 and checks 3 connected to the stubs along the line of perforations 4. Stubs 2' from which the checks have been detached are shown turned over to the left of the back proper. The stubs are provided with oblong openings 5 arranged in spaced relation adjacent to the edges of the leaves contiguous to the back proper A.

The means D for securing or binding the leaves to the back proper includes a back-binding member 6 preferably comprising a strip of sheet material provided with a facing of pre-gummed fabric 6^a, as indicated in Figure 5, folded lengthwise with the gummed fabric in to form lower and upper strip parts 6^b and 6^c. The member 6 is formed along its fold with a plurality of slits 6^d which are spaced correspondingly to the spacing of the openings 5, and the bottom or outer face of the lower strip part 6^b is secured, as by gluing to the back-proper A, the upper strip part 6^c being left free, as shown in Figure 3, until after the leaves are inserted in the manner described later.

A plurality of retaining strips 7 are threaded through the openings 5 and are secured to the retaining strip 6 for binding the leaves to the back-proper A. In assembling the parts, one end 7^a of each of the retaining strips is passed through an opening 6^d in the back-binding member 6, the inwardly extending ends 7^a then being disposed between the lower and upper strip parts 6^b and 6^c of the back-binding member. The protruding portions of the strips 7 are then threaded through the several groups of registering openings 5 and the free ends 7^b of the retaining strips then turned under the upper strip part 6^c and between the latter and the lower part 6^b. The gummed fabric 6^a having previously been moistened, the strip parts 6^b and 6^c are pressed together, causing them to adhere to each other and to the interposed ends 7^a and 7^b of the retaining strips.

The form of back-binding member shown in Figures 6 and 7 is similar to the member 6 previously described, with the exception that the retaining strips are formed integrally with the back-binding strip. Thus, in the modification,

the back-binding member or main strip 8 is provided with retaining strips 9 integrally connected to one longitudinal edge 8' of the member 8 and adapted to be inserted through openings 8d in the folded edge of the member 8. This arrangement possesses the advantage of enabling the parts to be assembled more easily.

The arrangements described are simple and inexpensive to manufacture, are compact, and provide for facile manipulation of the pages without their having any inherent tendency to close upon themselves or to move from the positions in which the user places them.

The books disclosed embody the invention in a practical and the now preferred form, but it is apparent that the specific construction and relative arrangement of the parts may be modified without departing from the invention as defined in the claims.

I claim:

1. In a book, the combination of a back proper, a stack of leaves provided with spaced registering openings adjacent to the edge to be bound; a back-binding member comprising a strip of sheet material folded lengthwise to form upper and lower strip parts, said member being formed along its fold with a plurality of slits spaced correspondingly to the openings in said leaves, and the outer face of said lower strip part being secured to said back proper; a plurality of retaining strips threaded respectively through groups of registering openings in the leaves, one end portion of each retaining strip extending through one of the slits in said back-binding member and the other end portion extending between the edges of said upper and lower strip parts opposite said fold; and adhesive between said strip parts and the portions of said retaining strips lying therebetween.

2. In a book, the combination of a back proper; a stack of leaves provided with spaced registering openings adjacent to the edge to be bound; a back-binding member comprising a strip of gummed sheet material folded lengthwise with the gummed face in to form upper and lower strip parts, said member being formed along its fold with a plurality of slits spaced correspondingly to the openings in said leaves, and the outer face of said lower strip part being secured to said back proper; and a plurality of retaining strips threaded respectively through groups of registering openings in the leaves, one end portion of each retaining strip extending through one of the slits in said back-binding member and the other end portion extending between the edges of said upper and lower strip parts opposite said fold.

3. In a book, the combination of a back proper, a stack of leaves provided with spaced registering openings adjacent to the edge to be bound; a back-binding member comprising a strip of sheet material folded lengthwise to form upper and lower strip parts, said member being formed along its fold with a plurality of slits spaced correspondingly to the openings in said leaves, and the outer face of said lower strip part being secured to said back proper; a plurality of retaining strips formed integrally with said lower strip part and being located respectively opposite said slits and being threaded respectively through groups of registering openings in the leaves, the free end portion of each retaining strip extending through one of the slits in said back-binding member and between the upper and lower strip parts of the latter; and adhesive between said upper and lower strip parts and the portions of said retaining strips lying therebetween.

4. Means for securing book leaves to a book cover, said means comprising a main strip of sheet material; a plurality of retaining strips integrally connected to one longitudinal edge of said main strip; said main strip being folded longitudinally intermediate its edges, and being provided with slits located adjacent to the fold and respectively opposite said retaining strips.

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