Feb. 7, 1933. C. A. SHUSS 1,897,024

CONSTRUCTION OF BOOKS

Filed Aug. 22, 1932

Fig. 1.

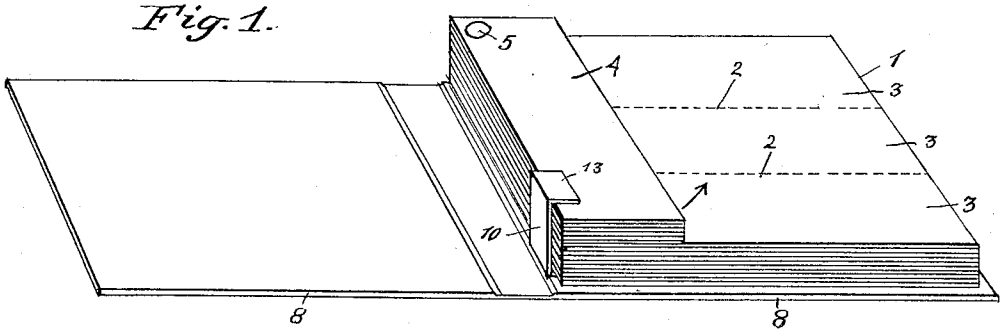


Fig. 2.

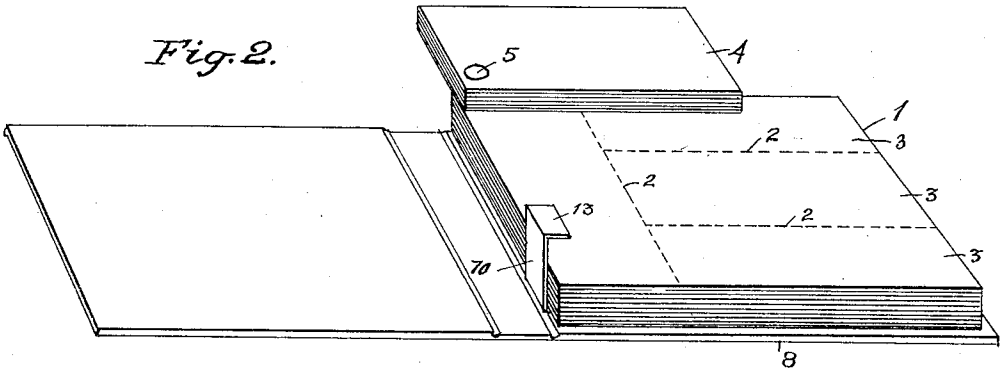


Fig. 3.

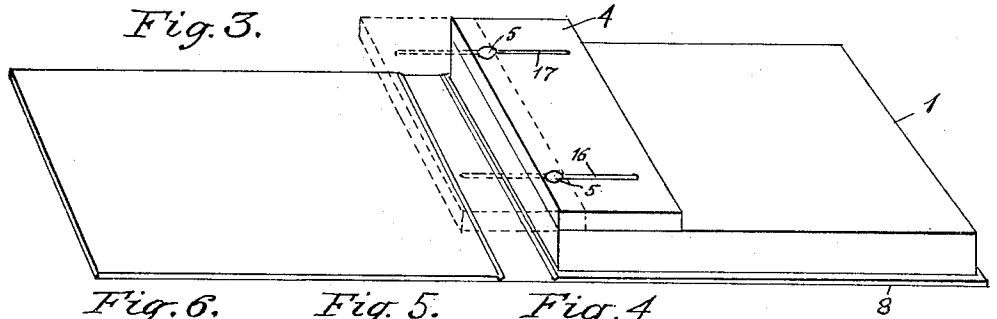


Fig. 6.

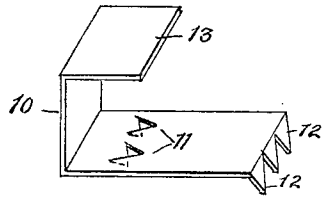


Fig. 5.

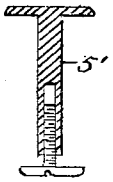
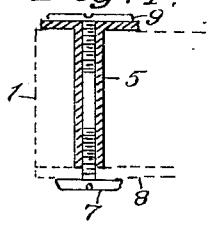


Fig. 4.



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Patented Feb. 7, 1933 1,897,024

UNITED STATES PATENT OFFICE

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CONSTRUCTION OF BOOKS

Application filed August 22, 1932. Serial No. 629,949.

My invention relates to an improvement in the construction of books and is particularly intended for use in the making of bank check books and the like, wherein each page or leaf of the book is so line perforated that a part or parts of the page may be easily detached and a part or stub of the leaf left in the book and upon which a record or description of the part removed can be written.

The invention is designed to avoid the usual folding, stitching, gluing and other processes of bookbinding ordinarily in use and to produce a book wherein the individual leaves will at all times present a smooth level surface without crease or bend.

In check books of the usual construction the stubs or record receiving portions of the used leaves of the book must be turned and folded back, or held back by hand, to permit the proper memoranda to be written on a new sheet, and this ruffles up the several stubs which have been written on previously and leaves them in an unsightly condition, whereas in my improved book they are moved aside by a sliding movement and when returned to their closed position remain in a smooth, flat condition. This bend or fold of the stub in the present style of books also obscures a portion of the new stub to be written on and causes a waste of surface of the paper.

In the accompanying drawing:

Figure 1 is a perspective view of my complete check book, the cover opened and some of the detachable parts removed.

Figure 2 is a similar view of the same with the stubs or memo parts supposed to have been written on revolved on the pivot to permit access to the stub or record part of the next page.

Figure 3 shows a modification wherein the used record stubs are removed from the unused surface by a direct sliding instead of a rotating motion.

Figure 4 is a detached view, partly in section, showing the preferred form of the pivotal rivet.

Figure 5 is a similar view of a modification of the pivotal rivet, and;

Figure 6 is a detached view, in perspective, of a limit stop to assist in returning and retaining the leaves of the book and the used stubs in their initial position.

Referring to the drawing, 1 represents a stack of sheets, line perforated as at 2 and, in case of a check book, the spaces 3 are printed as bank checks. The portions 4 represent the stubs of checks which have been removed and on these stubs are marked the data of the checks which have been removed, such as number, date and payee.

In Figure 1, these stubs are shown in their initial position but in Fig. 2, the stubs 4 are shown as revolved around the pivotal stud 5 to clear the next check and stub to be used, and this movement does not bend or rumple the paper of the stubs and when it is desired to store the book as a whole the stubs can be rotated on their pivot 5 to their original position.

A limit and retaining stop 10, illustrated in detail in Fig. 6, is provided to assist in returning the stubs to their initial position and to insure their remaining in their flat position as well as to prevent the sheets or pages being moved upward while being inscribed, and it consists in a strip of flat metal in substantially a U shape, one leg of which is punched and trimmed to have pointed teeth 11 and 12 bent at right angles to its body and which may be driven into the book cover 8 and if necessary clinched to secure the stop 10 to the cover, and the other leg of the U shape 13, is made to extend over the space occupied by the leaves of the complete book at a point over the stubs.

In cases where the stiff cover is not used on the book the stop may be attached to the bottom sheet by stitching, gluing or any means convenient.

The pivotal stud 5 is preferably made as shown in Figure 4, that is with a flat headed cylindrical stud internally screw threaded and with the cylindrical portion of a length equal to the thickness of the assembled leaves or pages so that a screw 7 with an enlarged flattened head driven into the stud 5 will hold the leaves 1 snug but will permit them to be turned freely in the plane of the book and around the stud 5.

It is not absolutely necessary to use a stiff board cover with this book but such a cover

is preferable, and in case the cover 8 is used the screw 7 is made to pass through said cover and into the stud 5 and when tightened holds the stud firmly on the cover. When the parts are thus assembled a pointed tool may be inserted through the stud 5 from its upper end and when driven hard against the end of the screw 7 will spread the end of the screw and prevent its being removed, and a second flat headed screw 9 may be inserted to close the opening in the stud 5. This stud 5 may be made in various forms, one variation being shown in Figure 5, wherein the stud 5′ is shown as having a solid head slotted to be turned with a screw driver and also knurled on the outer edge to permit it to be turned with the fingers.

I am aware that bank check books have been patented wherein the stubs of used checks may be rotated on a pivotal stud from their initial position to permit access to the unused pages. The advantage of my improved form of the pivotal stud is that when all of the detachable checks have been used and removed from the book the stubs may be removed in mass and prevented from accidental shuffling by reason of the pivotal stud which remains in place through the perforations of the stubs, and by inserting a flat headed screw may be permanently held together for future reference.

In Figure 3 is shown a modification of the invention wherein two studs 5 and 5 are used and the pages are slotted as at 16 and 17 to permit the used stubs to slide from over the unused check stubs, but owing to the easy destructibility of the stubs this form requires great care in use.

While my form of binding is intended primarily for use in bank check books it may also be used advantageously for shipping tags and other like uses.

The invention has been illustrated as carrying three checks to the page but it may readily be used for any reasonable number from one up.

Having described and illustrated the invention, what is claimed is:

The herein described issue and permanent memoranda book containing a series of independent pages or leaves, each divided into one or more detachable parts and a record stub by line punching, the several pages detachably secured to one side of a hinged cover by a headed retaining stud passing down through perforations in the recording spaces of the pages and joined to the cover by a headed screw passed through the cover and into the stud, all substantially as shown.

Signed at Baltimore, Maryland, this 19th day of August, A. D. 1932.

CLOYD A. SHUSS.