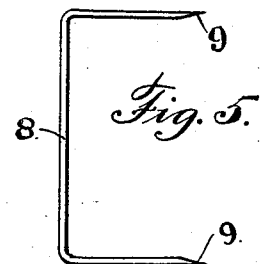
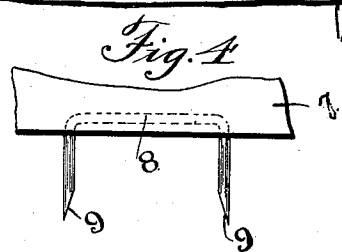
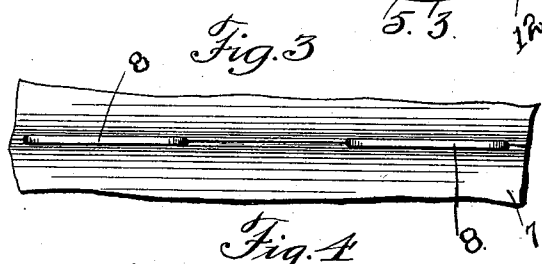
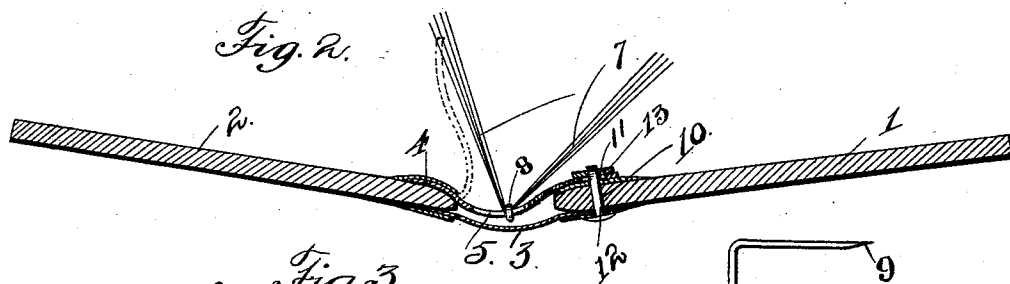
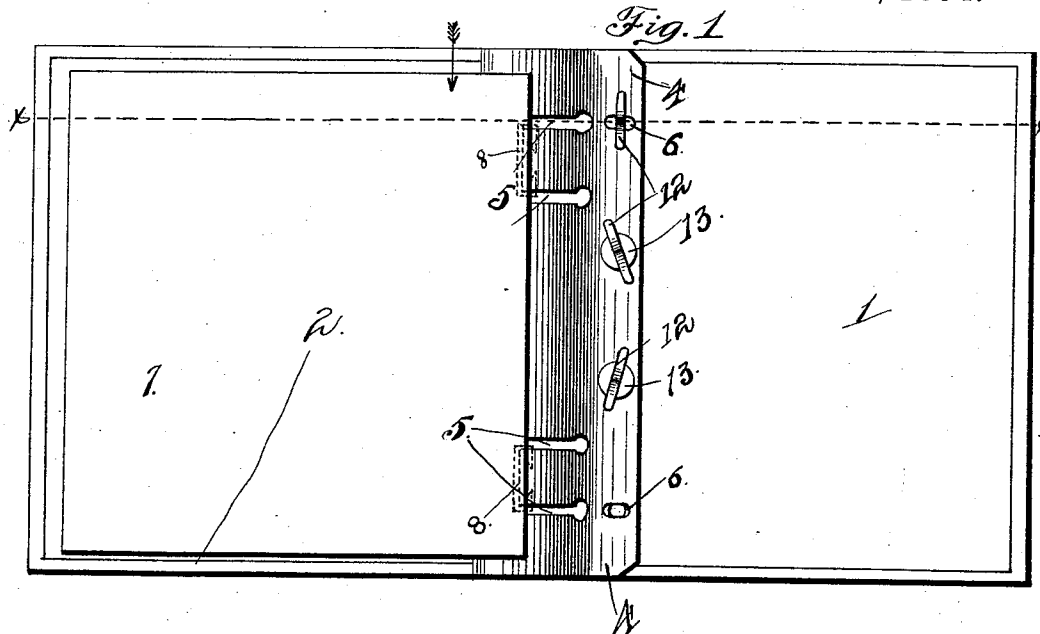


(No Model.)

W. C. BOEING & T. P. STORK.  
BINDER FOR MUSIC, MAGAZINES, &c.

No. 531,256.

Patented Dec. 18, 1894.



Witness:  
Arthur A. Blaukewister.  
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Attys.

# UNITED STATES PATENT OFFICE.

WILLIAM C. BOEING AND THEODOR P. STORK, OF HERMANN, MISSOURI.

## BINDER FOR MUSIC, MAGAZINES, &c.

SPECIFICATION forming part of Letters Patent No. 531,256, dated December 18, 1894.

Application filed September 4, 1894. Serial No. 522,125. (No model.)

*To all whom it may concern:*

Be it known that we, WILLIAM C. BOEING and THEODOR P. STORK, of the city of Hermann, Gasconade county, State of Missouri, have invented certain new and useful Improvements in Binders for Music, Magazines, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention relates to improvements in temporary binders for pamphlets, magazines, sheet music and various other analogous purposes, and consists in the novel construction, combination and arrangement of parts, hereinafter described and designated in the claims.

The object of our invention is to construct a cheap and efficient temporary binder for magazines, pamphlets, &c., and especially a temporary binder for sheet music for piano, organ or music stand use, the same to be so constructed that the binder and consequently the music inclosed within the same lies open in most binders. The construction which we adopt for this purpose will be more fully hereinafter described, wherein the use and object will be more readily perceived.

Referring to the drawings: Figure 1 is a plan view of the cover or binder open. Fig. 2 is a cross-sectional view on the line  $x-x$  of Fig. 1. Fig. 3 is a detail perspective view of a portion of a leaf, showing the metallic wire used in carrying out our invention. Fig. 4 is a side detail perspective view of the same. Fig. 5 is a side view, showing the metallic wire used in carrying out our invention.

1 and 2 indicate the covers or backs, which may be made out of any material and finished in any appropriate and decorative style. The backs 1 and 2 are secured together in any suitable and mechanical manner by a piece of leather 3, or any other analogous material of the proper width to suit the desired thickness of the book. (See Fig. 2 for illustration.)

Secured to the back 2 on the inner side of the same is a flap 4 made of leather, or any other suitable material. Formed in the intermediate portion of the flap 4 is a series of elongated slots 5 arranged at relative and predetermined distances apart. Said elongated slots 5 extend from about the middle portion of the flap 4 almost to the edge of the back 2, suitably located and of such a length as to permit of closing the book when filled, the object of which will be more fully hereinafter described. Formed in the free edge of the flap 4 and along the margin thereof, is another series of elongated holes 6, the object of which will be more fully hereinafter described.

7 indicates sheets of music, or any other printed matter, which are secured to the flap 4, and, consequently, between the backs 1 and 2 in the manner as will now be described. In securing said printed matter to the flap 4 we employ a metallic staple 8 (the same being provided with attenuated points 9) the body of said staple being preferably longer than the prongs thereof. When it is desired to secure the sheets of printed matter 7 to the flap 4, the operator takes one of the staples 8 and inserts it through the printed matter at the crease where the same is folded, and also extends the prongs of the staple through the elongated slots 5 and after the same have thus been inserted, the terminal portions of the prongs are bent against the rear face of the flap 4, as illustrated in Fig. 1. By this means it can readily be seen that sheets of printed matter may be readily attached and detached to the flap 4.

In Figs. 3 and 4 we have shown an illustration of the staple 8 passing through and inserted into the printed matter. The free edge of the flap 4 is secured to the back 1 in a manner as will now be fully described.

The back 1 has formed in the inner terminal portion of the same a series of holes 10, and in said holes are secured a series of eyelets 11 of the usual construction. We have illustrated in the drawings split fasteners in conjunction with a suitable washer for securing the free edge of the flap to the back 1.

We desire to state in this connection that other means may be employed for this purpose. Following out the line of illustration, (Figs. 1 and 2) a series of split fasteners 12 is inserted through the holes 10 and project through the elongated holes 6, and also a circular washer 13, and then clinched and bent as illustrated in Fig. 1. By this means it can readily be seen that the terminal edge of the

flap 4 may be readily attached and detached to the back 1. The object of the elongated holes 6 is to permit the back 1 to freely be closed and opened over the flap 4, thus permitting the back 1 to be completely opened or closed up as desired without in the least crimping or distorting the flap 4. The object of the elongated holes 5 is to accommodate a number of sheets of printed matter and also to permit the same to be freely opened and closed.

Having fully described our invention, what we claim is—

1. The improved binder, comprising two backs flexibly connected at adjacent edges, an inner flap 4 fixed at one edge to the inner surface of one of said backs and extending the full length thereof with one of its edges free, said flap having a series of parallel slots or elongated holes as 5 and 6 formed in it and extending in a direction at right angles to the length of said flap, fastening devices ar-

ranged to slide back and forth in said slots, whereby the leaves to be bound are loosely connected to said flap, and means for temporarily securing the free edge of said flap to the opposite back, substantially as herein specified.

2. The herein described book, comprising backs 1 and 2, a flap 4 provided with elongated holes 5 and 6, one edge of said flap being securely fastened to the back 2, fasteners 12 for detachably securing the remaining edge of said flap to the back 1, sheets of printed matter 7, and metallic staples 8 for securing said sheets of printed matter to the flap 4, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM C. BOEING.  
THEODOR P. STORK.

Witnesses:

E. E. LONGAN,  
MAUD GRIFFIN.