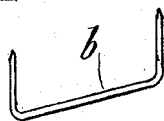
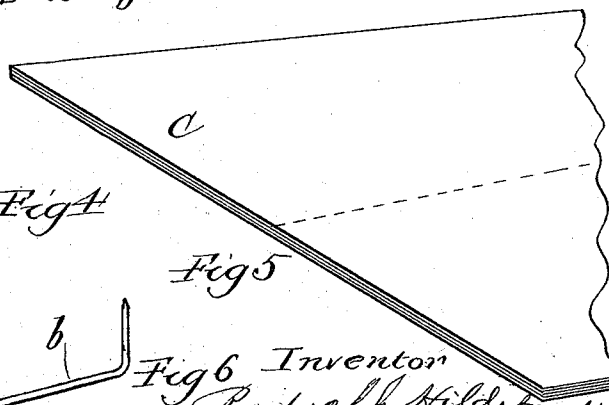
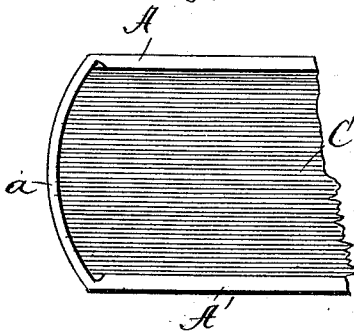
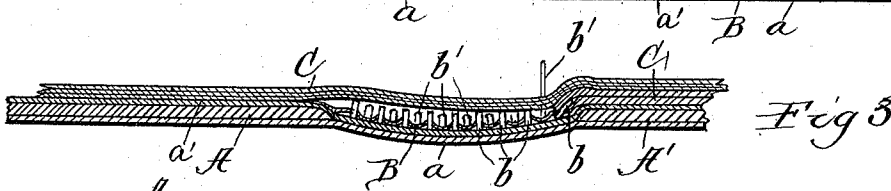
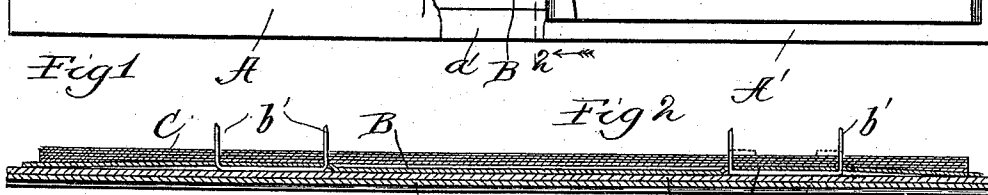
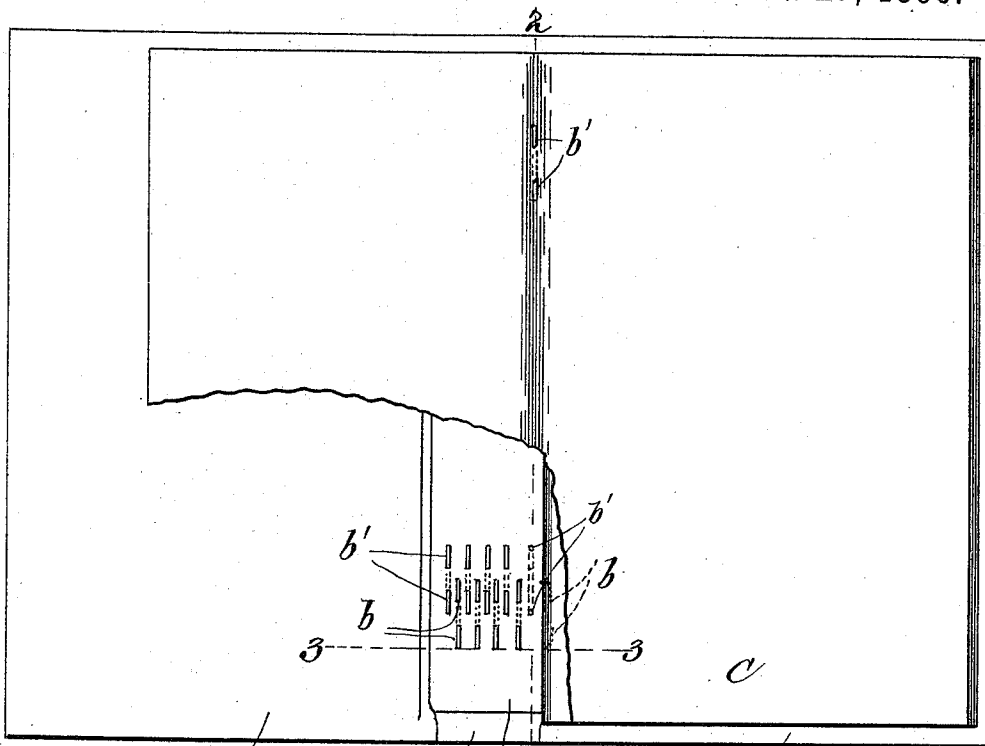


(No Model.)

R. HILDEBRANDT.
BINDER.

No. 570,399.

Patented Oct. 27, 1896.



Witnesses
W. C. Collier
C. H. Crawford

Inventor
Rudolph Hildebrandt
By Louis Wilson
Attorney.

UNITED STATES PATENT OFFICE.

RUDOLPH HILDEBRANDT, OF CHICAGO, ILLINOIS, ASSIGNOR TO ARVID SONG, OF SAME PLACE.

BINDER.

SPECIFICATION forming part of Letters Patent No. 570,399, dated October 27, 1896.

Application filed November 7, 1895. Serial No. 568,192. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH HILDEBRANDT, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Binders, of which the following is a full, clear, and exact description, and which is fully illustrated in the accompanying drawings, which are made a part of this specification, and in which—

Figure 1 is a plan view of the binder open, a portion being broken away, the binding-staples being reduced in number for clearness. Fig. 2 is a sectional view, upon a larger scale, on the line 2 2 of Fig. 1, the broken-out parts being restored. Fig. 3 is a detail section, upon the same scale as Fig. 2, on the line 3 3 of Fig. 1, the broken-out portions being restored. Fig. 4 is a detail end elevation of the binder. Fig. 5 is a perspective of a package of sheets adapted to be secured in the binder, and Fig. 6 is a perspective of a fastening-staple used in the binder.

The invention relates to means for binding together loose sheets, such as the successive numbers of newspapers and the like, and its object is to provide a simple and inexpensive binder of this class which will not require the use of thread.

The invention consists in lining the back of a book-cover with a stout strip, preferably of leather, in which are set series of wire staples, which may be passed through the leaves to be bound and then bent to secure them.

In carrying out the invention I use a pair of stiff boards A A', which are covered by the pieces a a', of canvas or similar material, one upon each side, and of sufficient size to cover both boards when the latter are spaced apart a distance corresponding to the desired thickness of the book, the limp portions of the covering material between the two boards constituting its back. A stout strip B, preferably of leather, is secured to the inside of the book-back by having its edges connected to the canvas covering a' of the boards, along the edges of the latter.

Wire staples b b' are set in this lining, projecting through from its inner side and having their ends folded down. Two sets of these staples are used, one located near each end of the strip B, and each set is preferably arranged in two series b b', as shown, so that they will be less crowded.

The leaves C to be bound will be folded in the usual manner, and a staple at each end of the strip B, having had its ends raised, will be inserted through them at the crease, and its ends being again turned down they will be securely and permanently held.

A very pliable and non-elastic wire is used for the staples, so that there will be no danger of breaking it in the bending, and so that its ends may be neatly folded down out of the way. While it is not the primary purpose to provide in this invention a mere temporary binding, it is clear that it may be used for that purpose, the leaves being easily removable.

I claim as my invention—

1. In a binder, the combination with the boards A, A', and the flexible back, a, of the lining B, secured within the back and the wire staples projecting inwardly through the lining, such staples being set in series arranged longitudinally as to the back and with the plane of each staple coinciding with the alinement of its series, substantially as described and for the purpose set forth.

2. The combination with a book-cover having a limp back or joint of staples secured in the back and having their ends projecting inwardly through the inner surface thereof, such staples being set in series arranged longitudinally as to the back and with the plane of each staple coinciding with the alinement of its series, the adjacent members of the several series being set staggered, substantially as described and for the purpose set forth.

RUDOLPH HILDEBRANDT.

Witnesses:

ARVID SONG,
LOUIS K. GILLSON.