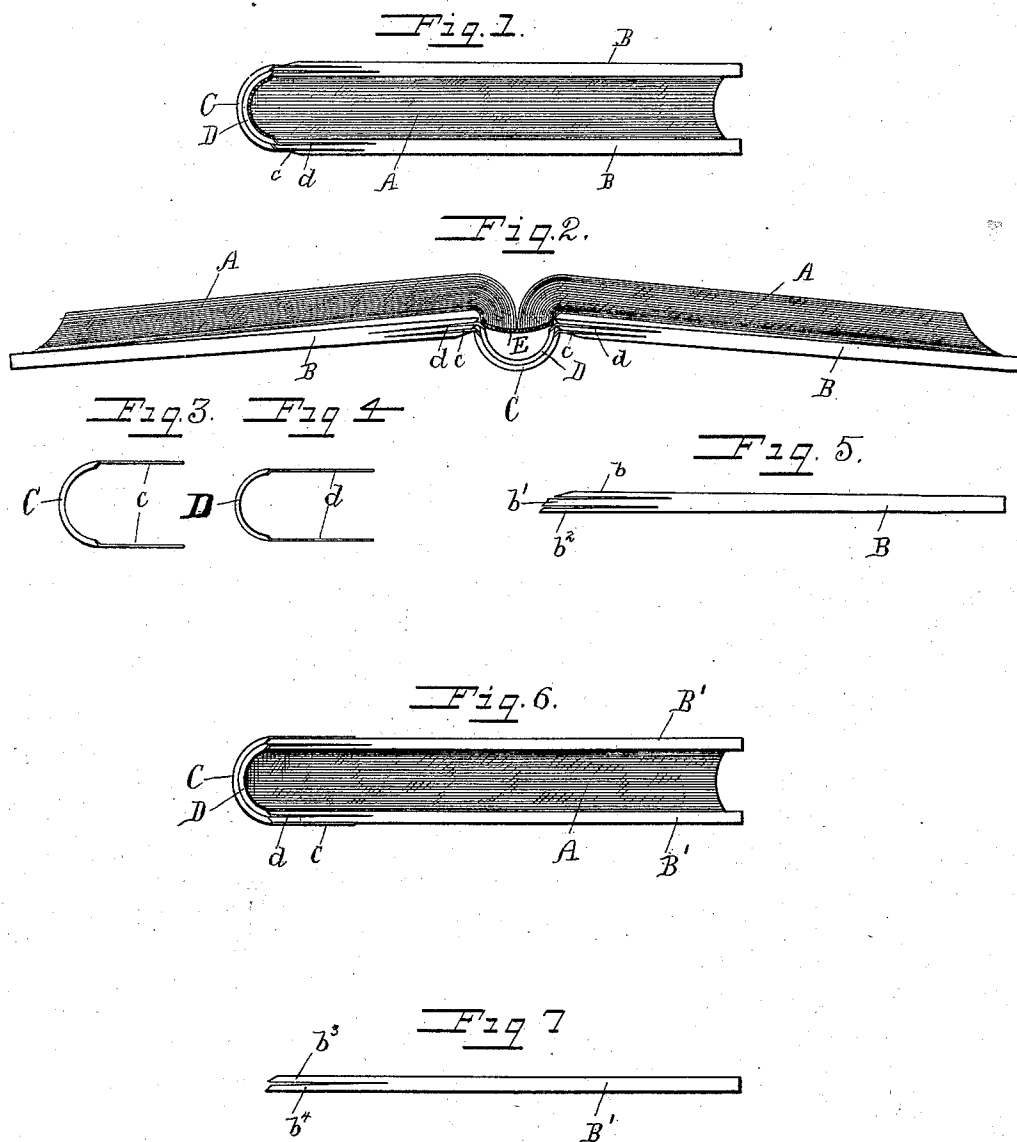


(No Model.)

H. J. RIES.
BOOK BINDING.

No. 406,476.

Patented July 9, 1889.



WITNESSES:

R. A. Balderson

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HENRY J. RIES, OF IOWA CITY, IOWA.

BOOK-BINDING.

SPECIFICATION forming part of Letters Patent No. 406,476, dated July 9, 1889.

Application filed November 20, 1888. Serial No. 291,322. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. RIES, a citizen of the United States, residing at Iowa City, in the county of Johnson and State of Iowa, have
5 invented certain new and useful Improvements in Book-Binding; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and
10 use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to the art of book-binding; and its objects are, first, to provide
15 a durable binding which is readily placed around the book; second, to bind the book so that the leaves will remain open in any prescribed position; third, to provide a binding
20 that will resist the wear incident to use; fourth, to dispose the book so relative to the binding that the opening and closure of the former will not affect the integrity of the latter; and, fifth, to obtain these ends with
25 structural simplicity and economy. I accomplish these aims by the means and in the manner illustrated in the accompanying drawings, in which—

Figure 1 indicates a side elevation of a book
30 bound according to the principles of my invention. Fig. 2 shows the same in an open condition. Fig. 3 is a side elevation of the outer flexible back, and Fig. 4 is a similar view of the inner one. Fig. 5 is a side elevation of one of the covers. Fig. 6 is a view
35 similar to Fig. 1, in which the cover has only one slit; and Fig. 7 shows the form of cover adapted to this modification.

The same characters designate corresponding
40 ing parts in the several views.

In the production of account-books and records subjected to constant reference a

form of binding is required that will maintain the pristine integrity of the book and not unduly tax the covers or binding. It is
45 desirable also for this purpose that the pages will readily assume and maintain an open condition at any desired position. To these ends my invention is addressed.

The book A is secured to the flexible cover
50 E, which has two free flaps that are adapted to be glued to the inner surface of the cover B. The cover B has two slits that form the walls b b' b^2 , between which the respective ends c of the back C and d of the outer back D are
55 inserted and glued. These walls are tapered to sixty, forty-five, and fifteen degrees, to provide for an easy movement of the inclosed book. I also use as a modification of the same principle the cover B', having only one
60 slit, thus making the walls b^3 b^4 , between which the ends d of the back D are inserted, while the ends c of the outer back C are glued to the outer surface of the cover B'. It will
65 be apparent that by this form of connection the book is comparatively free to open at any prescribed place and will there maintain an open condition.

Having thus fully described my invention,
70 what I claim is—

The book A, held in the flexible back E, having free flaps at either end, in combination with the concentric flexible backs C D, having, respectively, the ends c d , and the
75 covers B', slitted to form beveled walls b^3 b^4 , wherein the ends c are secured, the ends d being fastened to the outer surface of the cover B'.

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

HENRY J. RIES.

Witnesses:

PETER WEST,

JOE A. EDWARDS.