

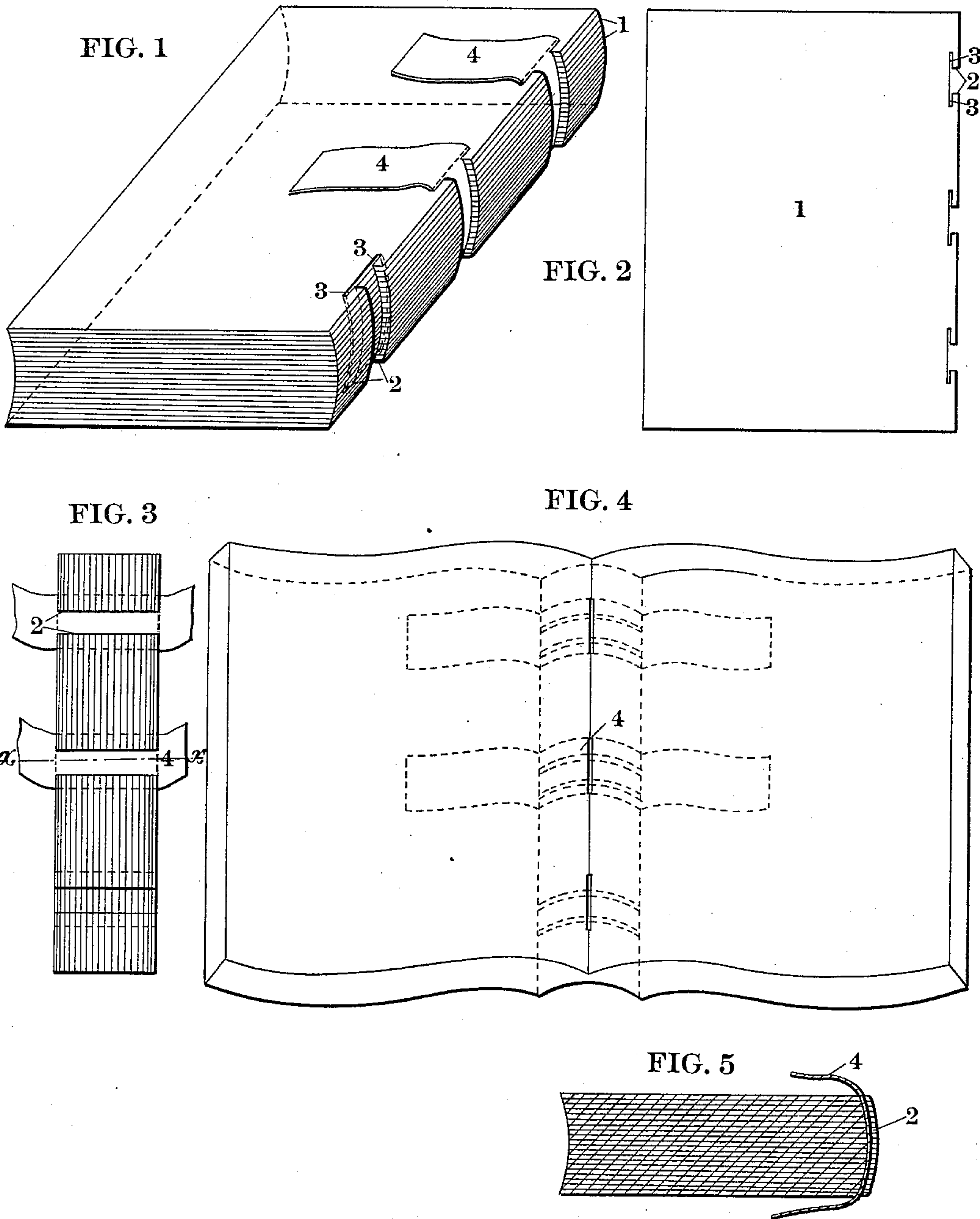
No. 607,012.

Patented July 12, 1898.

W. BOEHNER.
BOOKBINDING.

(Application filed Oct. 11, 1897.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM BOEHNER, OF CHICAGO, ILLINOIS.

BOOKBINDING.

SPECIFICATION forming part of Letters Patent No. 607,012, dated July 12, 1898.

Application filed October 11, 1897. Serial No. 654,806. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BOEHNER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bookbinding, of which the following is a specification.

My invention relates to bookbinding, and has particular reference to the manner of cutting and connecting the different sections of a back of a book before attachment of the cover.

Its objects are to provide a cheap, simple, and durable binding, to dispense with sewing and stapling, to avoid cutting and tearing by binding with bands in preference to threads, and to prepare the different sections for connection by a saw-cut in preference to stamping or puncturing same. I accomplish these objects by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the body of a book embodying my invention, omitting the cover. Fig. 2 is a side plan of a single section of the book. Fig. 3 is a back view of the book without the cover. Fig. 4 is an inside view of the book, showing same opened. Fig. 5 is a cross-section of the book, taken on the line *xx* of Fig. 3.

In putting my invention into practice I prepare the leaves or sections of a book by putting same together and first making the cuts 2 at the back, and thereby removing a small part of the material at each place where the sections are to be connected. I then extend the base of each cut 2 by cutting into the material longitudinal of the adjoining edge of same to form the cuts 3. I make all of these cuts preferably by sawing, so as to avoid tearing, indenting, or bending the material. The bands 4 are then drawn through with their side edges extending into the cuts 3. Glue may then be put into the cuts 2 along the angle formed by their side walls with the back of the bands. This serves to fasten the bands to the leaves or sections and also to fasten the leaves or sections together at these places. The cover of the book is then attached by fastening the bands 4 to same, preferably by fastening bands along their entire outer surface from their ends to where same enter the cuts 3 at the base of the projecting parts of the bands. It will be seen that a secure binding

is thus formed, requiring no sewing or stapling, and thus avoiding the cutting of the material by threads or staples when the book is in use. When the sections are pasted together in the angles of the cuts 2, as described, a stiff substantially solid edge is formed here, which firmly holds the leaves of the book in their proper position. The advantage of having cuts in such form that they may be conveniently sawed instead of being stamped will be readily understood, since it is plain that the leaves are thus left flat and not indented or bent, as is the case when a perforation is stamped through same or when same are punctured, as in the ordinary method of sewing and stapling.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A book comprising a plurality of leaves or sections having the cuts 2 and 3 in one edge and a binding-band seated in said cuts; said leaves being glued together along the edge overlapping the band substantially as described.

2. A book comprising a plurality of leaves or sections having the cuts 2 and 3 in one edge, and a binding-band seated in said cuts; said leaves being glued together along the edge overlapping the back of the band, and glued to the band at said edge; substantially as described.

3. A book comprising a plurality of leaves or sections having the cuts 2 and 3 in one edge, a binding-band seated in said cuts and projecting from either side; said leaves being glued together along the edge overlapping the back of the band; and a cover permanently secured to the band at the base of such projecting parts; substantially as described.

4. A book comprising a plurality of leaves or sections having the cuts 2 and 3 in one edge, a binding-band seated in said cuts and projecting from either side; said leaves being glued together along the edge overlapping the back of the band, and glued to the band at said edge; and a cover permanently secured to the band at the base of such projecting parts; substantially as described.

WILLIAM BOEHNER.

Witnesses:

FRED J. DRAKE,
ALFRED MELTZER.