

No. 680,554.

Patented Aug. 13, 1901.

J. N. WARD.
METHOD OF BINDING BOOKS.

(Application filed May 14, 1901.)

(No Model.)

FIG. 1.

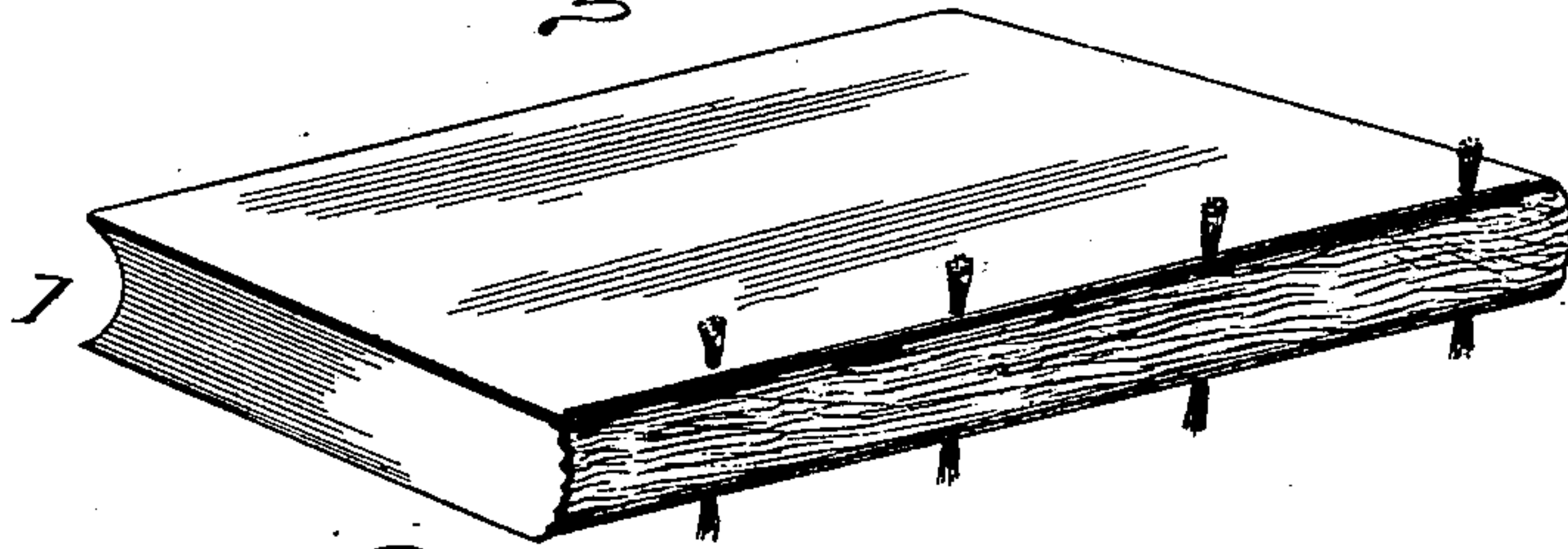


FIG. 2.

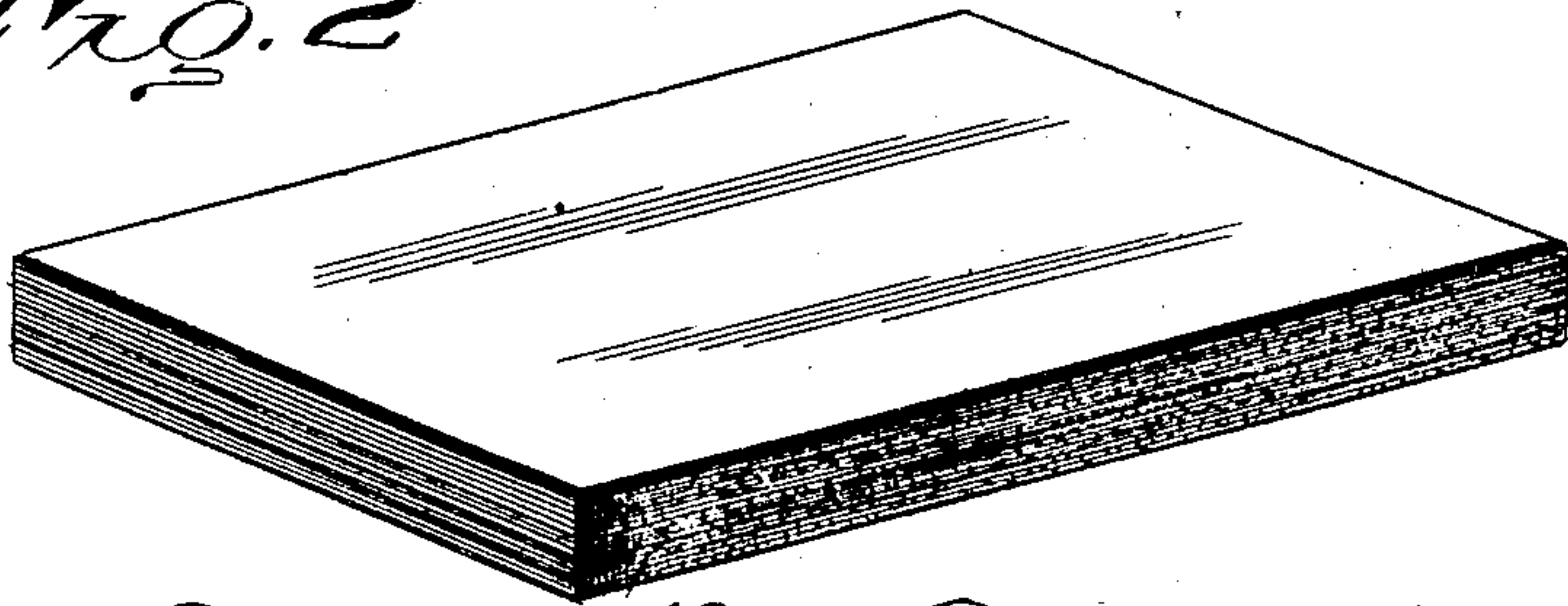


FIG. 3.

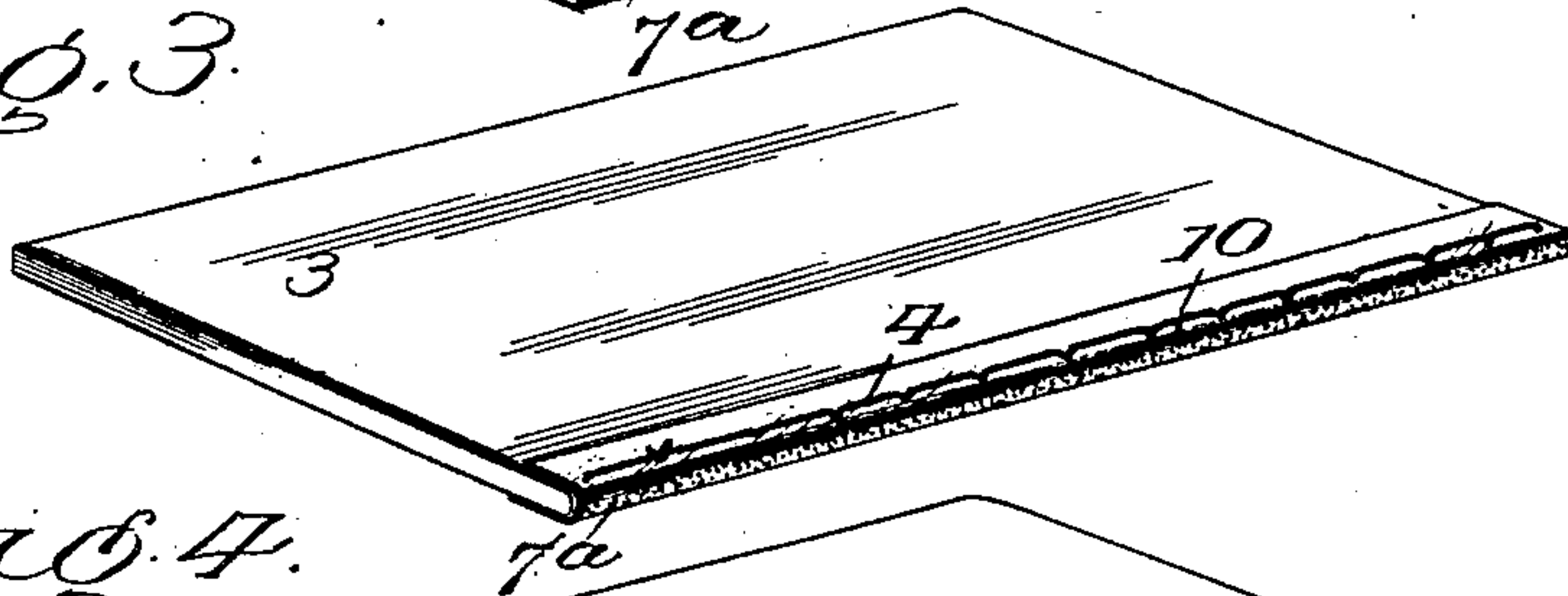


FIG. 4.

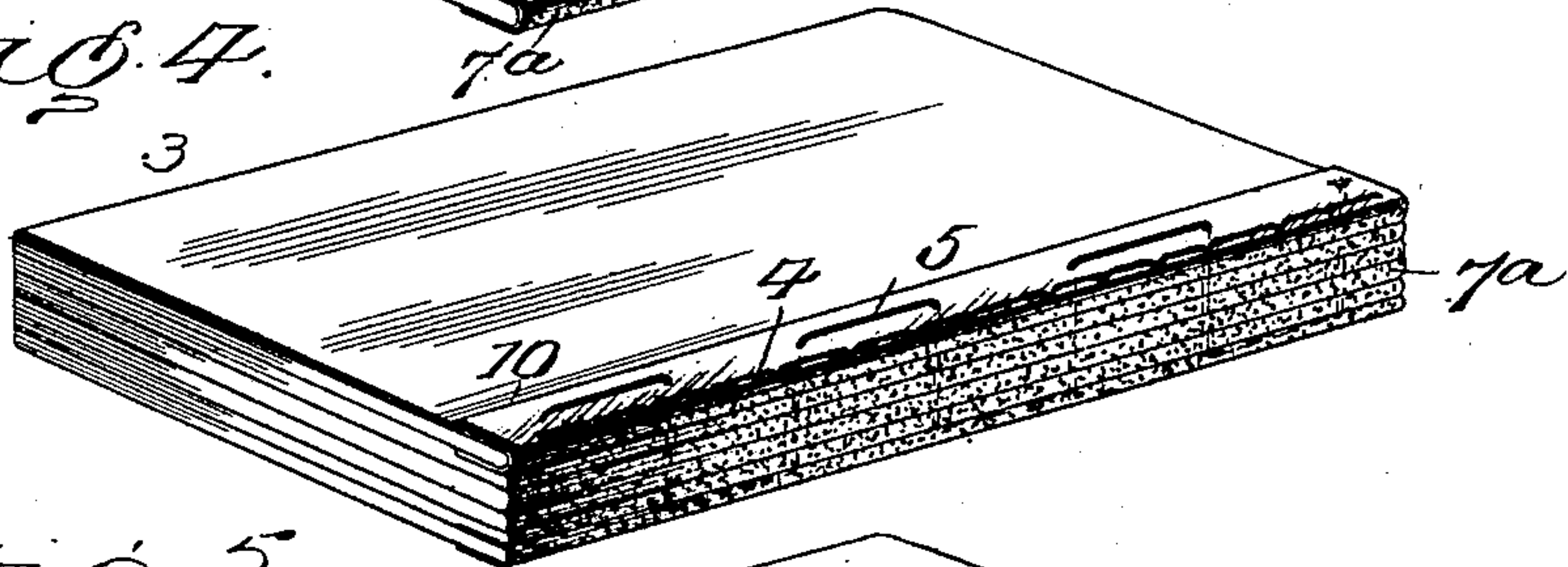


FIG. 5.

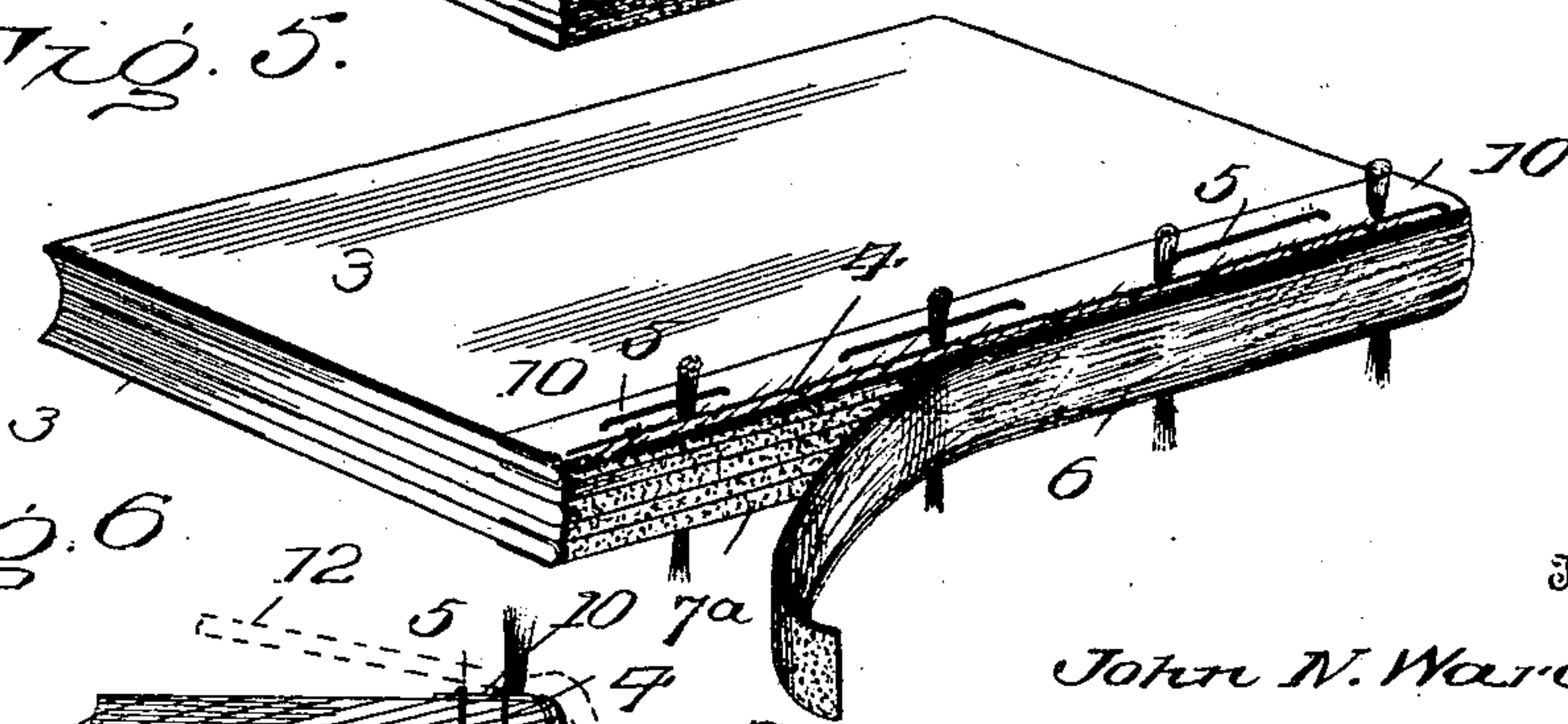
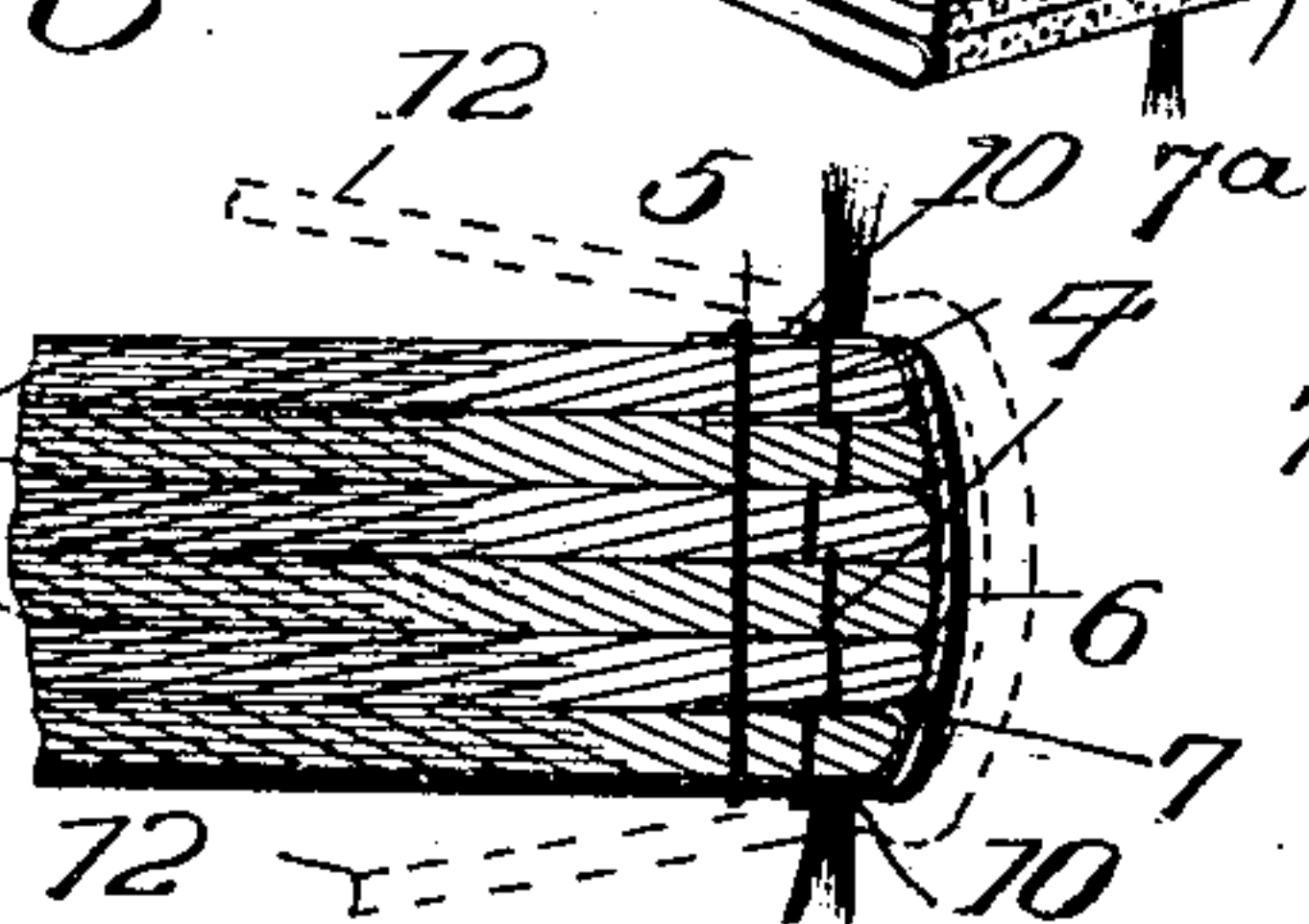


FIG. 6.

Witnesses
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METHOD OF BINDING BOOKS.

SPECIFICATION forming part of Letters Patent No. 680,554, dated August 13, 1901.

Application filed May 14, 1901. Serial No. 60,199. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. WARD, a citizen of the United States, residing at Jacksonville, in the county of Morgan and State of Illinois, have invented new and useful Improvements in Methods of Binding Books, of which the following is a specification.

This invention relates to an improved method of binding books.

The object of the invention is to provide means whereby old books and magazines, and especially old and worn public-library books that have become worn and torn in the folds of the sections, can be rebound in a substantial manner.

Other objects and advantages will become apparent in the description to follow and be particularly pointed out in the claims.

Figure 1 is a perspective view of a worn book with the cover removed, showing the torn edges of the sheets. Fig. 2 is a similar view of the book illustrated in Fig. 1, having the torn edges and its binding trimmed off and the leaves glued together at their inner sides in tablet form. Fig. 3 is a similar view of a thin section of the tablet shown in Fig. 2, the glued edges being stitched from end to end, and thus made into new book-sections to be sewed to tapes or cords in the usual manner. Fig. 4 is a similar view of a series of stitched tablets as shown in Fig. 3 united along the glued edges by stitching. Fig. 5 is a similar view illustrating a strip of adhesive fabric binding the outer glued faces of the tablet, said fabric contacting with the individual sheets for adding strength to the binding. Fig. 6 is a detail cross-section of the book ready to receive the cover.

The same numerals refer to like parts in all the figures.

In carrying out my method I take an old book or magazine 1 whose binding has become worn and mutilated, press and hammer out the old binding, and cut off the torn edges, leaving the book to be bound in a series of single sheets and presenting a flat surface 7^a. The sheets are then evened up, and the inner edges are glued together in the form of a tablet, as shown in Fig. 2. After the glue has become hard and dry the tablet is separated into smaller sectional tablets 3 (see Fig. 3) and are stitched adjacent the glued edges,

as at 4. A series of these glued stitched sections are now placed side by side and sewed to the usual bands, cords, or tapes in usual book form and are ready to be rounded and backed anew. Thus far in my method I have a plurality of individual sheets or leaves glued, stitched, and restitched together, and to insure added strength to their binding and at the same time add to the flexibility of the same the outer glued edge of said book is covered by a strip of fabric 6, provided on one side with some suitable adhesive material 7, which comes into contact with each individual sheet, which adds considerably to the strength of the binding. To make the binding still stronger, after the book is sewed together each section, as above described, is glued or pasted to the adjoining section near the sewed edge. The two outer sections 3 of the book have their glued edges covered by a reinforcing-strip 10 to relieve the strain incident to the weight of the cover pulling on these parts. To the leaves thus assembled a cover 12 is applied.

My method of binding is especially adapted for rebinding miscellaneous books which have had hard use and the leaves have become mutilated and worn or when the folds of the sections have become torn and separated. My method is especially serviceable in rebinding in a substantial manner books that have received rough handling in public libraries. In such cases, and with a certain class of books, it is impractical to sew them through the folds in the usual manner. Hence frequently valuable literature is needlessly thrown away. By utilizing the various steps as herein described an exceedingly well bound and serviceable book can be produced from what would otherwise have to be cast off.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described method of binding individual leaves into a book, consisting of first trimming the back edges of the sheets to present a flat surface, second, applying some adhesive substance to said surface and letting it become hard and dry to form a tablet; third, separating said tablet into sections and stitching said sections end to end along the edge adjacent the glued side;

fourth, stitching said sections together into a book form, and fifth, gluing a strip of fabric on the outer edge of said tablet-sections, substantially as described.

5 2. The herein-described method of binding individual sheets into a book, consisting of first trimming the back edges of the sheets to present a flat surface; second, applying some adhesive substance to said surface and
10 letting it become hard and dry to form a tablet; third, separating said tablet into sections and stitching said sections from end to end along the edge adjacent to the glued side; fourth, sewing said new sections to
15 bands, cords or tapes; fifth, gluing a strip of fabric on the outer edge of said tablet-sections; sixth, gluing or pasting the adjoining sections together near the sewed edge, all substantially as described.

20 3. The herein-described method of binding individual leaves into a book, consisting of first trimming the back edges of the sheets to present a flat surface so as to make each leaf

a separate sheet; second, applying some adhesive substance to the surface of the back 25 edge of said sheets and letting it become hard and dry to form a tablet; third, separating said tablet into thin sections and stitching said sections from end to end along the edge adjacent the glued side; fourth, sewing a 30 series of these glued sections to bands, cords or tapes side by side to be rounded and backed; fifth, gluing a strip of fabric on the outer edge of said tablet-section; sixth, pasting or gluing each section to the adjoining 35 section adjacent to the sewed edge, for uniting the sections together in one continuous series through the book to add strength to the binding, substantially as described.

In testimony whereof I have hereunto set 40 my hand in the presence of two subscribing witnesses.

JOHN N. WARD.

Witnesses:

LENA C. ENGEL,
CHAS. A. BARNES.