

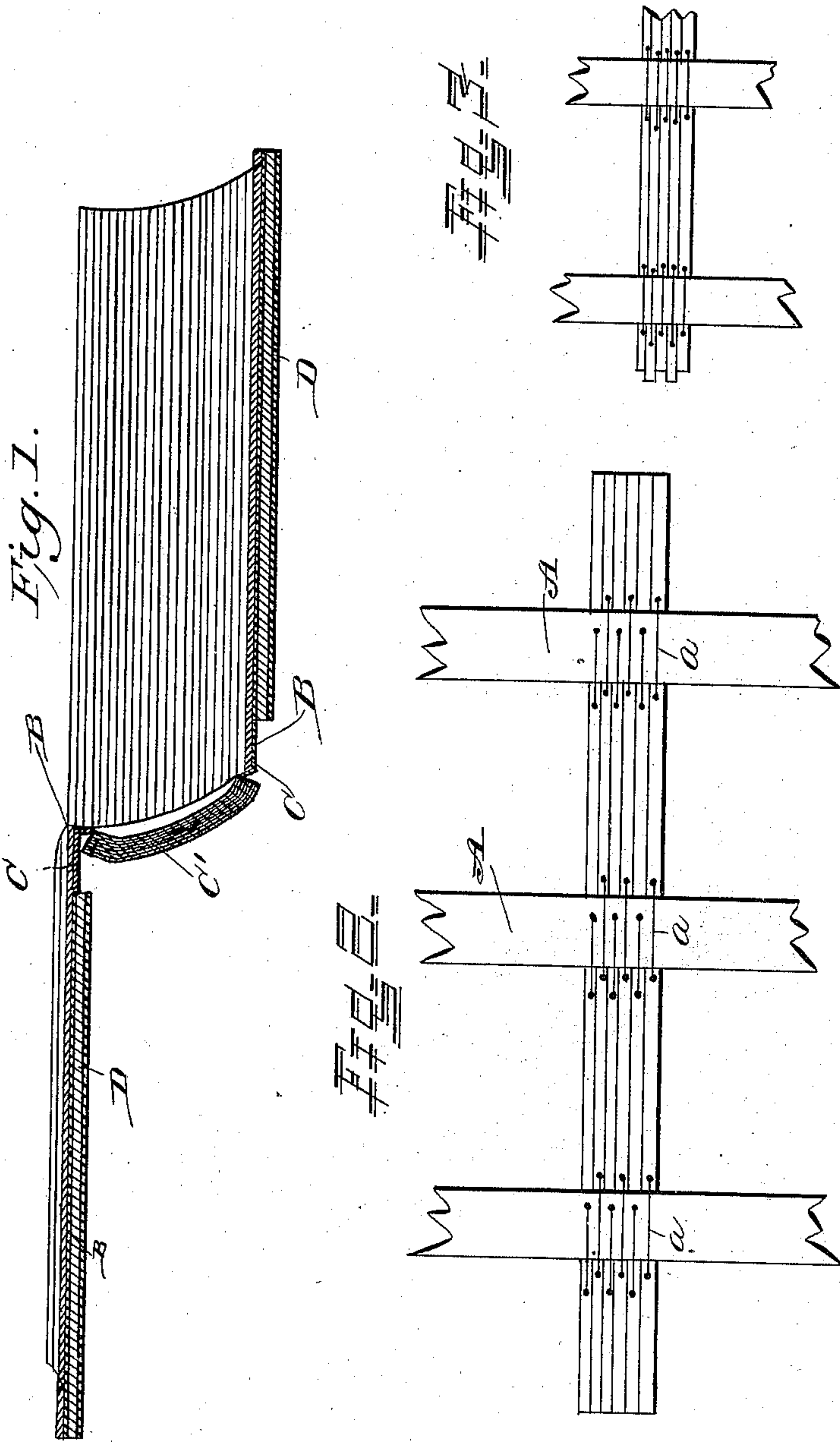
(Model.)

E. V. FOHLIN.
BOOK COVER.

2 Sheets—Sheet 1.

No. 382,148.

Patented May 1, 1888.



WITNESSES.

Howard J. Schneider
John C. McEll.

INVENTOR
Ernest V. Fohlin.
By Myers & Co
ATTORNEYS

(Model.)

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Fig. 5.

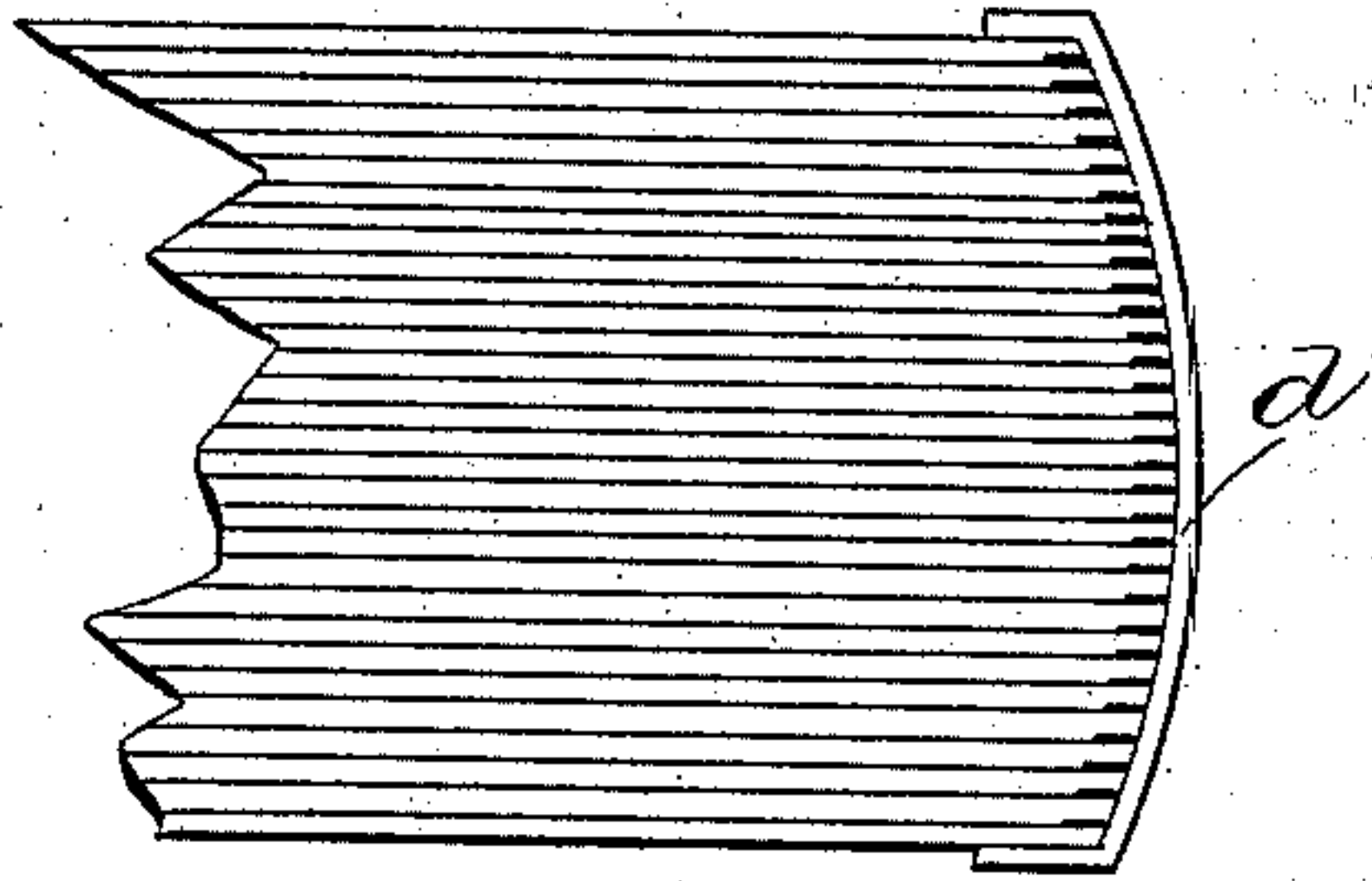


Fig. 4.

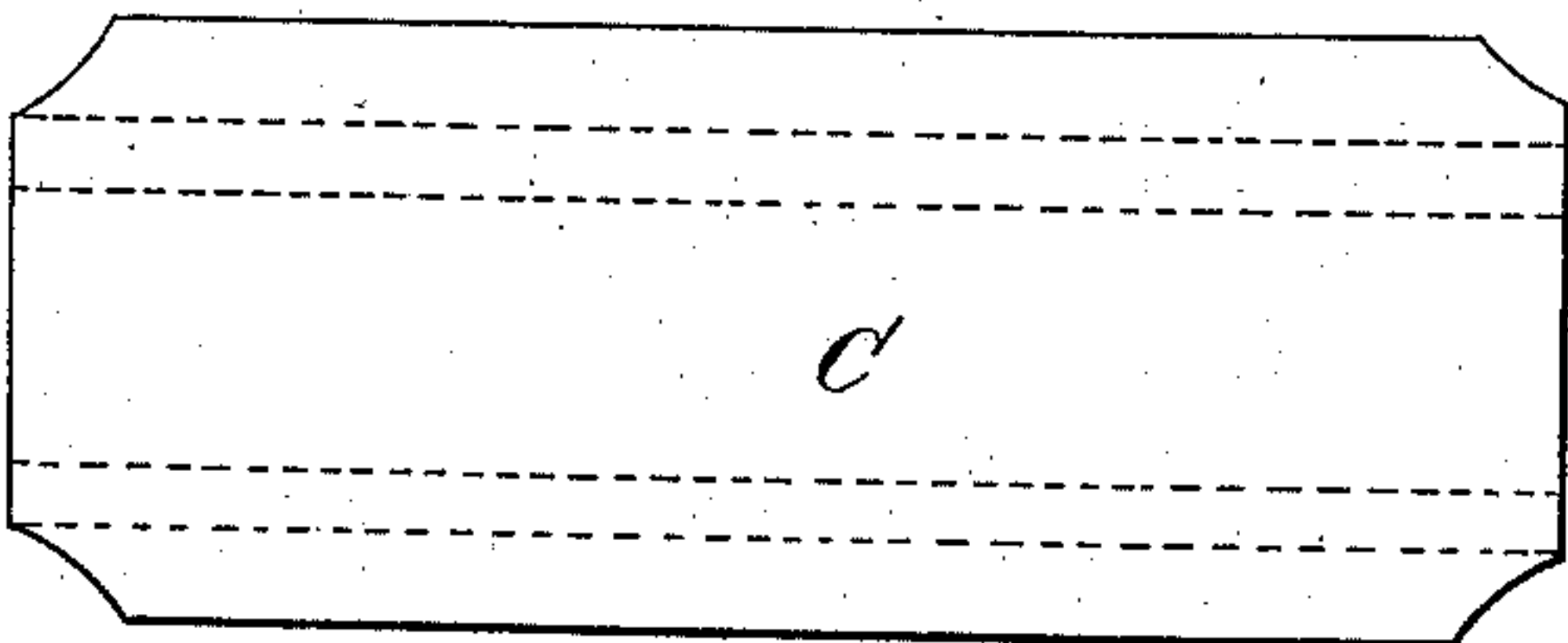


Fig. 6.

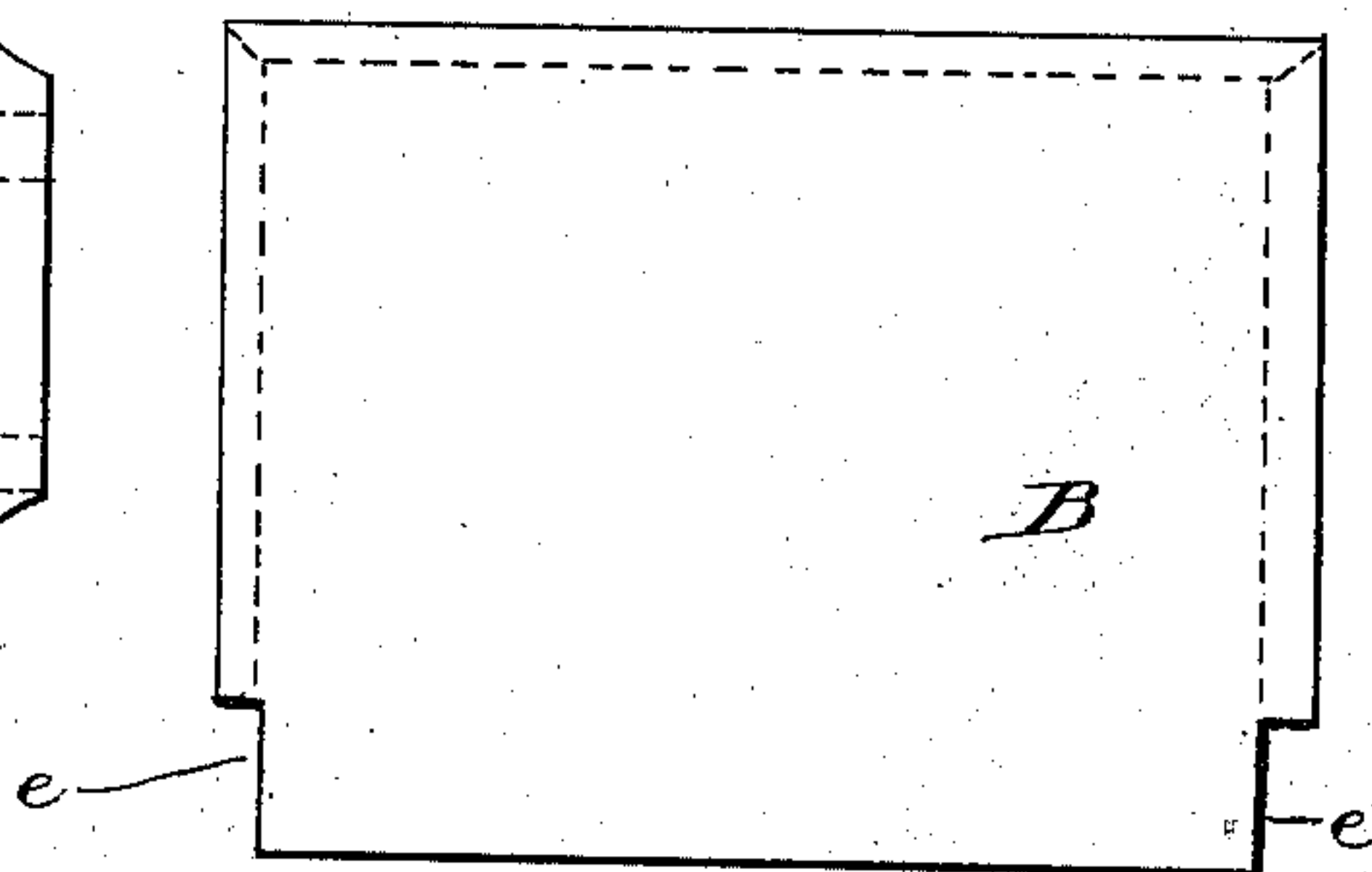
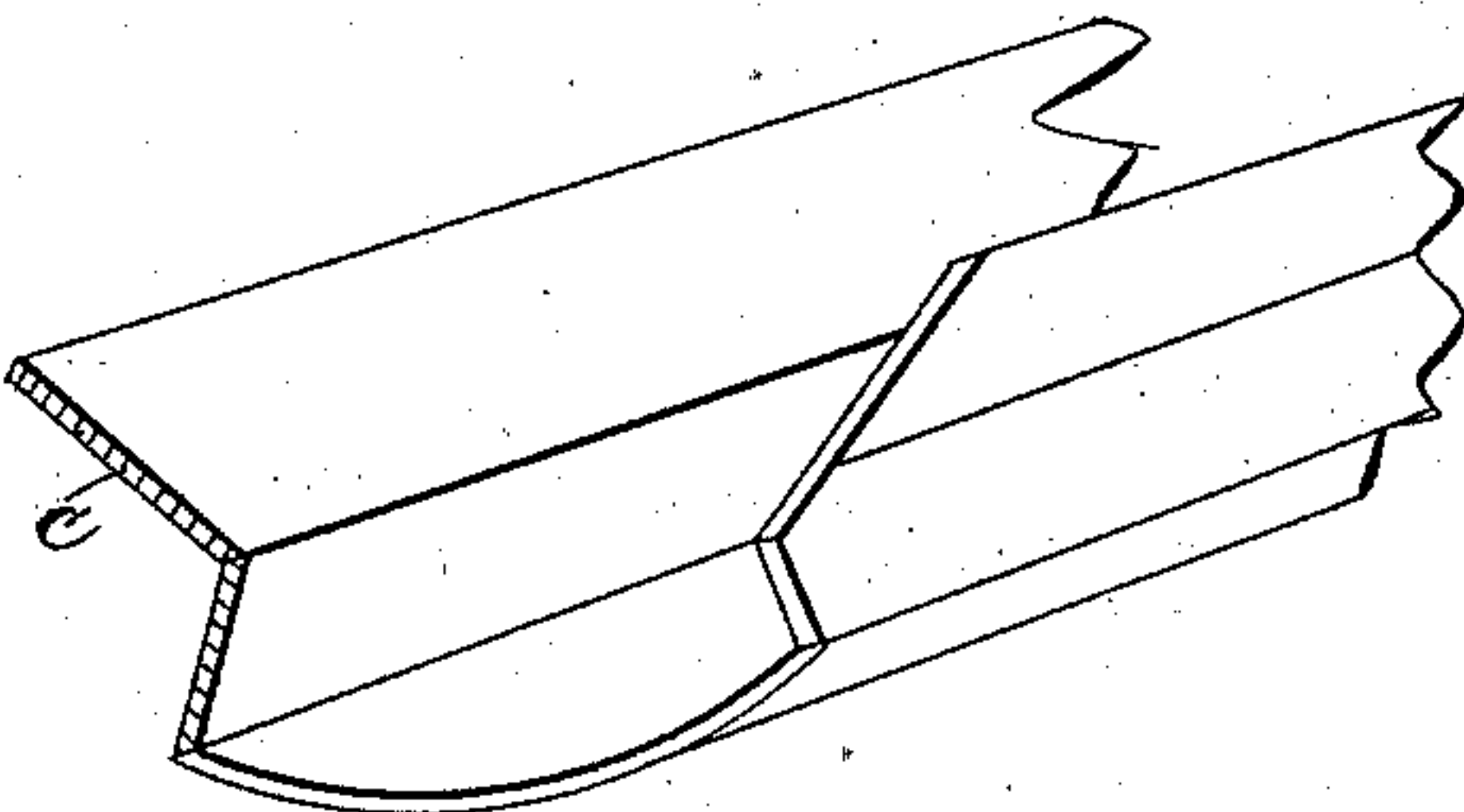
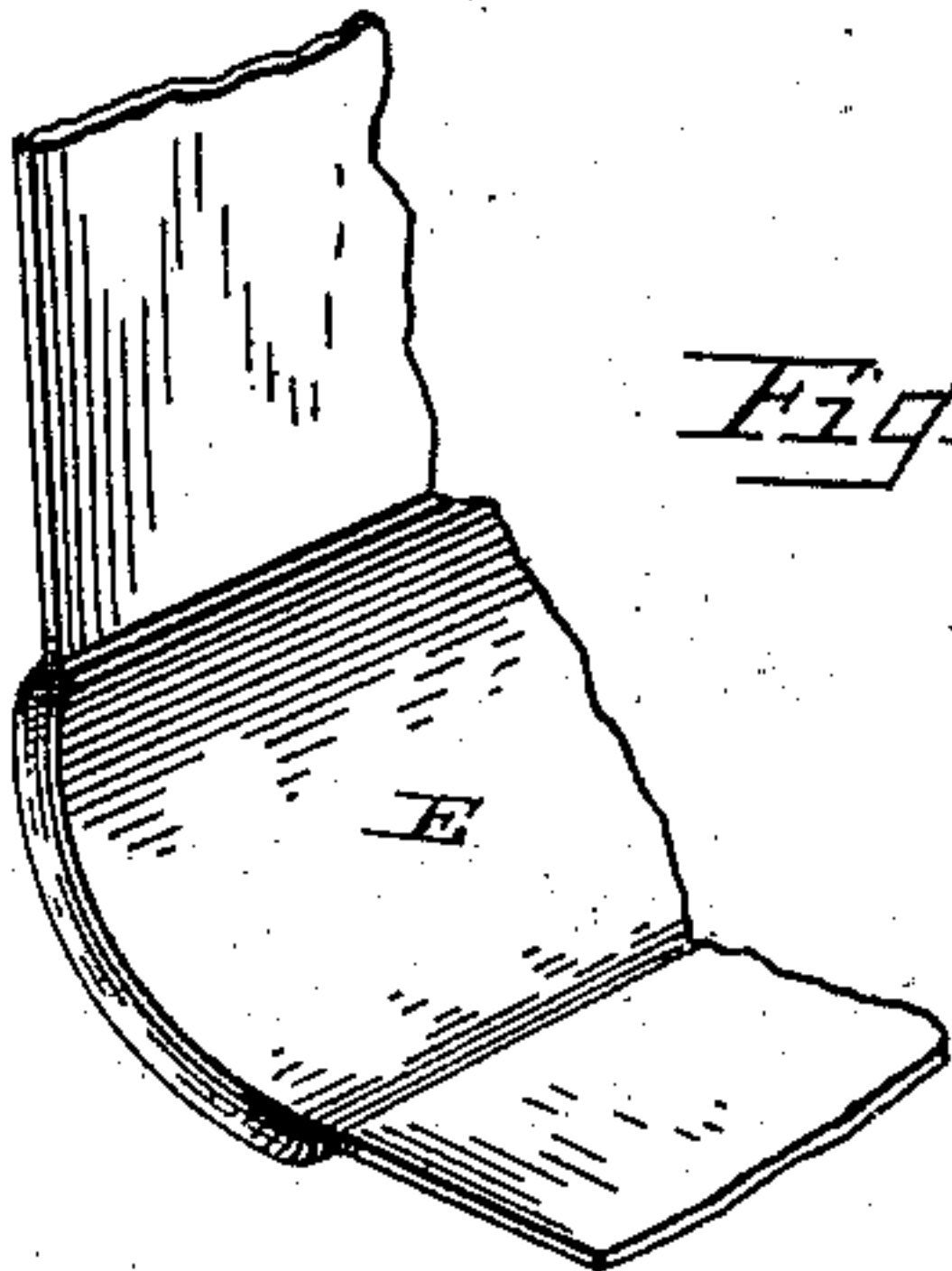


Fig. 7.

Fig. 8.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ERNEST VICTOR FOHLIN, OF SALT LAKE CITY, UTAH TERRITORY.

BOOK-COVER.

SPECIFICATION forming part of Letters Patent No. 382,148, dated May 1, 1888.

Application filed December 9, 1885. Serial No. 185,153. (Model.)

To all whom it may concern:

Be it known that I, ERNEST VICTOR FOHLIN, a citizen of the United States of America, residing at Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented certain new and useful Improvements in Book-Covers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention pertains to certain new and useful improvements in book-covers; and it consists in the detailed construction, combination, and arrangement of the parts, substantially as hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a transverse sectional view of a book embodying my invention. Figs. 2, 4, 5, 6, and 8 are detail views thereof. Fig. 3 is a view of the former method of sewing the leaves, and Fig. 7 is a detail view of the head-band.

The principal object of this invention is to provide an improved cover for books, so as to cause the leaves thereof when the book is opened to present a perfectly smooth or flat surface.

In the construction of the book to which my invention is to be applied I take the sheets ready for binding and sew the same to a heavy linen tape, A, it being preferable to parchment, heretofore employed for this purpose. The stitches are made so as to pass through the bands near one of the sides thereof, as shown at *a*, Fig. 2, and also through the paper on each side of the binding material, close to or a little from the edge thereof, the former method of sewing being shown in Fig. 3. The leaves of the book, it will be understood, are provided with glue or paste, as customary. (See Fig. 5.) The leaves being thus secured, I attach in the usual way to the curved back of the book at the required intervals apart leather straps, except at the ends of said back, which ends I cover with head-band E, composed of pieces of leather, cloth, or other suitable material, and turn the extra width of this material over a piece of cord, forming a rounded curved end, as shown in Fig. 7. The ends of the leather straps and head-bands I now glue to the side of the book.

In constructing the cover, which forms the principal feature of my invention, I provide a

thin sheet of tar-board, B, for each side or cover of the book, which I term the "joint-board." This board is cut away, as at *e*, Fig. 6, at its inner corners, which points may be covered by leather or cloth. I firmly glue these boards to the covers of the book, with the inner edges thereof placed parallel with the same edges of the back of the book, care being taken to leave just sufficient space between the edges of the boards B and the back to permit of the free movement of the boards as the book is opened and closed.

C is a piece or strip of heavy Manila paper or other suitable tough and flexible material, which is lined with a piece of common waste linen lining. This piece or strip is of length sufficient to project about an inch beyond each end of the book and of a width to cover the exact curve of the back of the book and to extend a short distance on each side thereof.

By means of a suitable straight-edge guide or rule I provide this piece or strip C with the necessary creases or joints, as shown in Fig. 8, thereby forming the skeleton or mold of the prospective double spring-back. The skeleton or mold C is then provided with glue on its outer portions and the curved back of the book is placed within said skeleton or mold, and the glued portions thereof are attached to the side of the joint-boards B. I now glue the main boards D D, which form the covers or backs of the boards B and the attached portions of the mold C, their inner edges being disposed on a line with the outer joints of the latter, allowing sufficient room between the said joints and the boards for the covering material, so that there will be no interference with the free action of said joints. To give to the skeleton or mold C a spring-back, I generally use several sheets of thin tar-board or other suitable material, C', which I glue to the outside of the base of the mold, making it at the edge the same thickness as the main boards. This forms the spring-back into a thick, solid piece, enabling it to preserve its curvature and to retain the original form of binding.

It will be understood, of course, that the main boards are finished and furnished with suitable covering, and that the title of the

book is to be stamped or otherwise placed on the outer surface of the spring-back.

In addition to strengthening the book in the joints of the cover, the joint-boards B support the body of the book when placed in any position. They form an extension of the main cover over the spring-back joints and render the book flat at the back, thus preventing the leaves from bulging up in the center when the book is opened, thereby obviating a great fault of the books in general use. They also support the body of the book when standing on its end, so that the upper end does not bend or sink from the spring-back, as is the case with books bound in the old way.

It is not necessary that the joint-boards B should completely cover the sides of the book unless it is desired to add to the thickness of the main boards; otherwise each joint-board may be made of a piece only of from three to four inches wide.

The spring-back C, by reason of the flexibility between its central portion or base and its outer portions or wings, admits of the covers being readily or easily turned back. A book constructed in this manner when well bound and all the parts properly adjusted will, when opened at any part, present a perfectly-level surface, as seen in Fig. 1.

My improvements may be used in either heavy or light binding with equal success.

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

1. The combination, with the cover and the joint-boards, of the spring-back creased and jointed in the manner stated and thickened in its central portion, substantially as shown and described, the ends of said spring-back being secured between the cover and the joint-boards, as set forth.

2. In a book-cover, the combination, with the joint-boards and the main boards, of the spring-back having creases formed therein and its ends secured between said boards, a space being formed between the inner edges of the main boards and the outer joints of the spring-back, substantially as shown, and for the purpose stated.

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

ERNEST VICTOR FOHLIN.

Witnesses:

FRED. C. ANDERSON,
WILL H. FARNSWORTH.