

J. J. HANLON.
Book-Binding.

No. 223,672.

Patented Jan. 20, 1880.

Fig. 1.

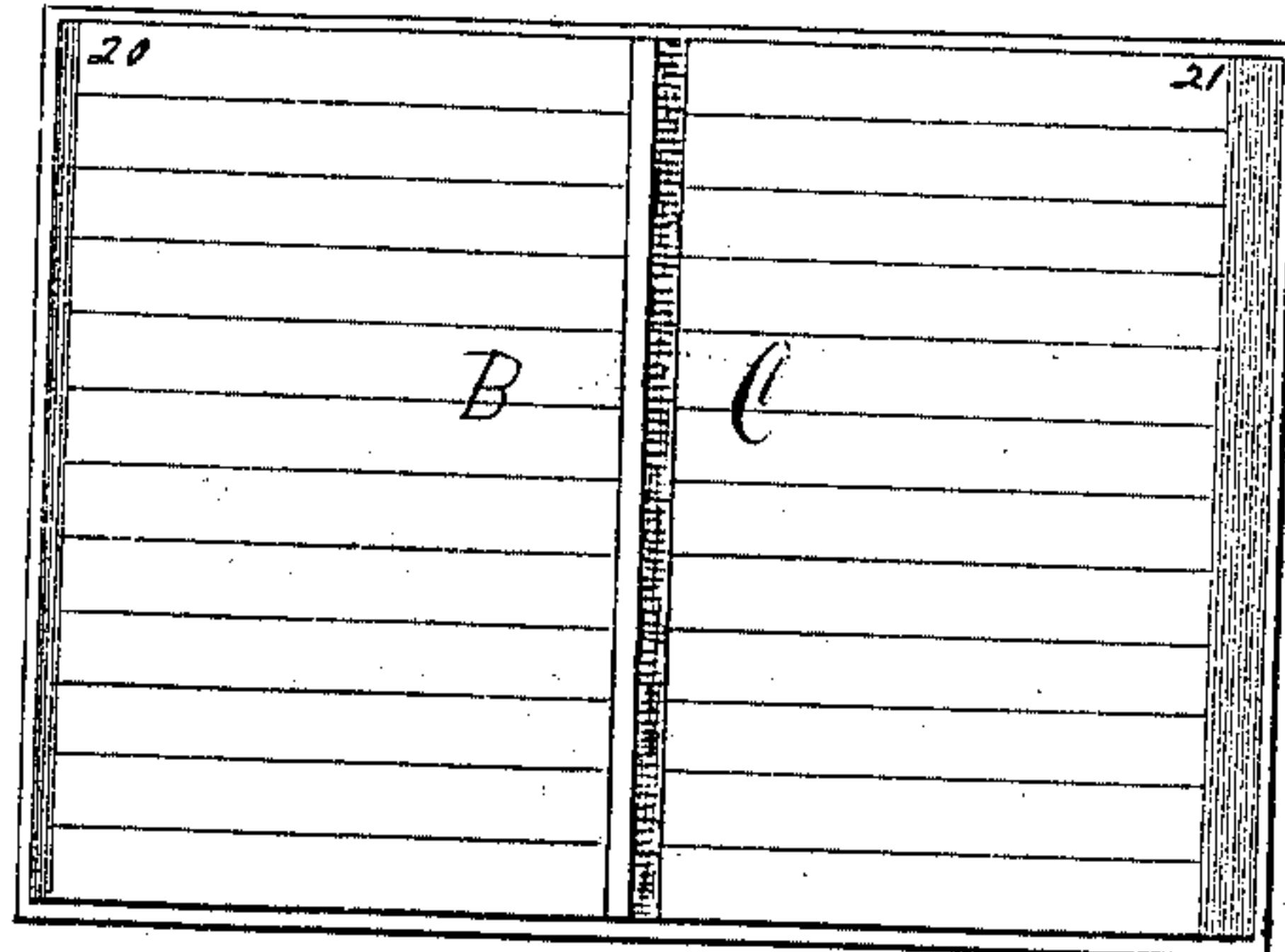


Fig. 2.

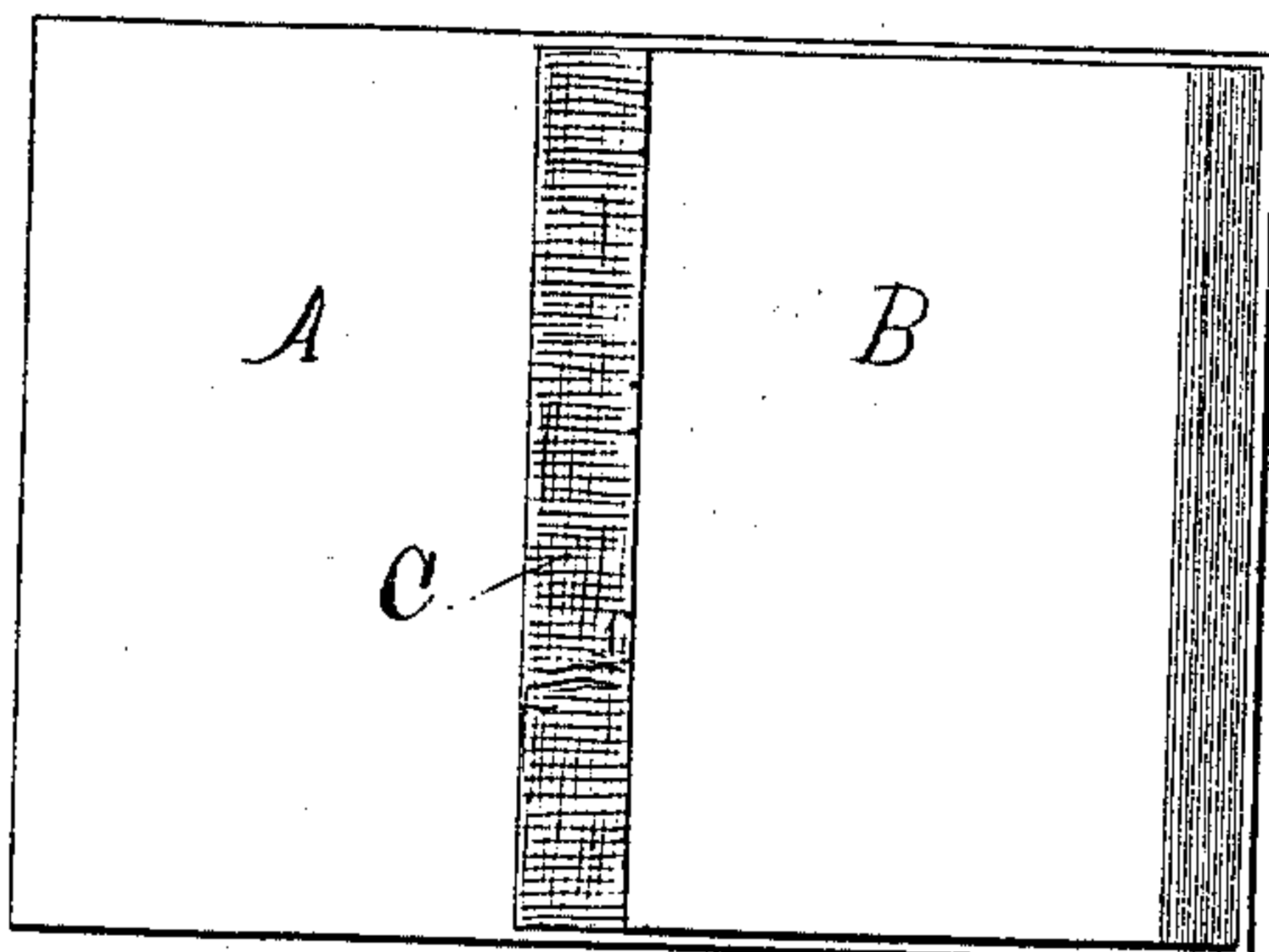
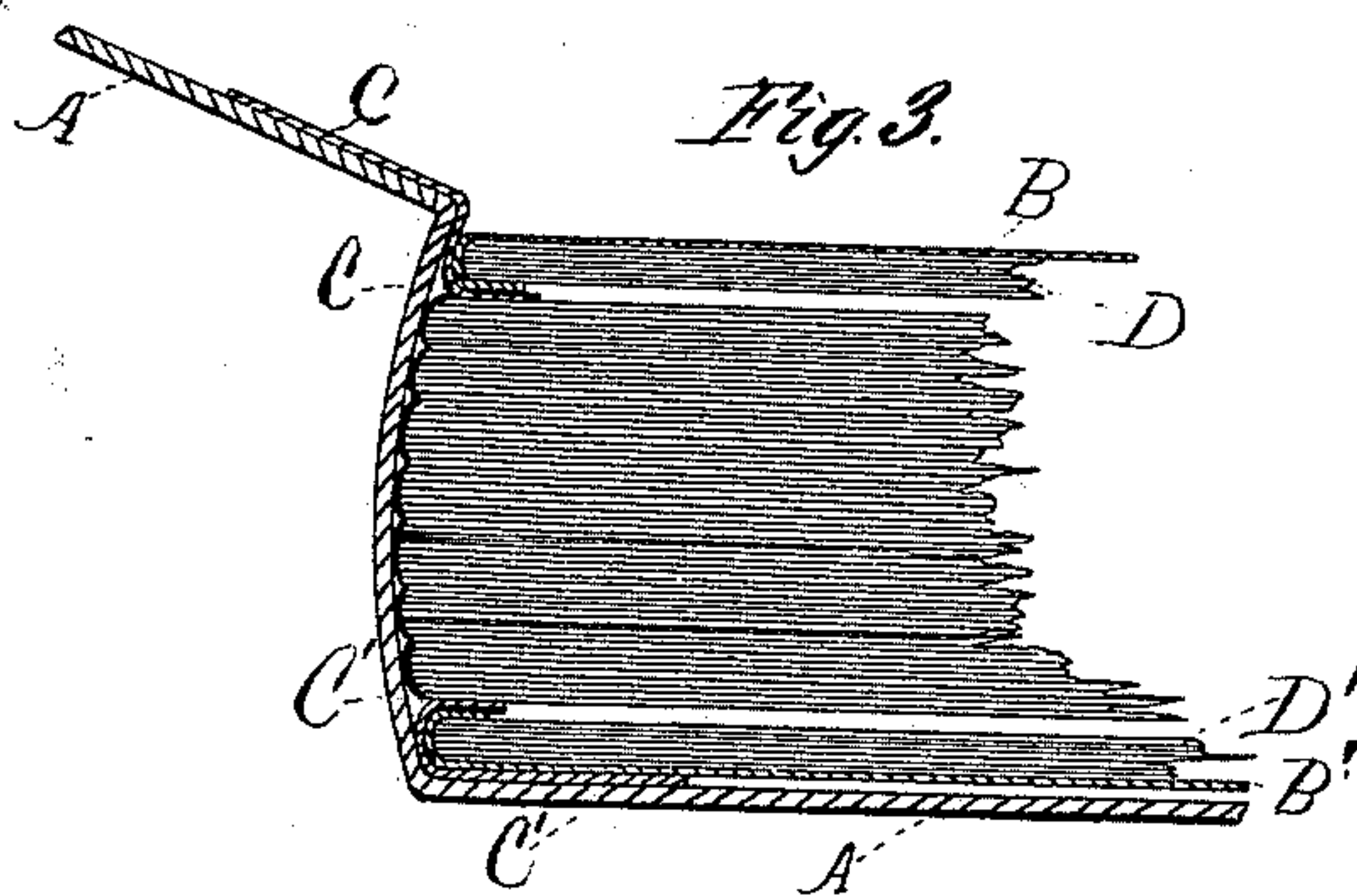


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN J. HANLON, OF CHICAGO, ILLINOIS.

BOOK-BINDING.

SPECIFICATION forming part of Letters Patent No. 223,672, dated January 20, 1880.

Application filed November 18, 1879.

To all whom it may concern:

Be it known that I, JOHN J. HANLON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Book-Binding; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to use of the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 shows a book embodying my improvements, open at the end of the first section. Fig. 2 shows the same open at the front side, between the fly-leaf and cover, and Fig. 3 a transverse section of the same.

The object of this invention is an improvement in the method of binding books, and more especially blank books, but it is applicable to all kinds of books, and is intended to present a form of binding of a very strong and durable nature, and more equally distributes the strain of the cover throughout the book as a whole instead of throwing the whole strain of the cover on the waste-paper or fly-leaves of the book, as is usually the case in the present well-known form of binding books.

The nature of this improvement consists in taking about the first ten leaves of a book—more or less, as practice may require—and a corresponding number of leaves, counting from the back part of the book, and forming them into what are here termed “sections”—that is, the leaves forming these sections are divided off from the other leaves composing the book by the interposition, at the back of the leaves, of the edge of a strip of cloth which extends over on the page about one-eighth of an inch, and is pasted onto the page, the other edge of the strip of cloth being attached to the inside of the cover, thereby forming a flexible or hinged joint for the free movement of the outside cover of the book, the exact arrangement of which will be hereinafter more fully explained in detail.

On referring to the drawings, A represents the cover of the book, and B B' the fly-leaves. C represents a strip of cloth, of any suitable fabric, and of about the width in proportion to the dimensions of the cover as shown in

Fig. 2 of the drawings. This strip of cloth C is secured to the inside of the cover of the book by means of any suitable adhesive composition, leaving, however, the inner edge of this strip C free from and not pasted to the cover A. This loose edge of the strip C is made to pass back of about the first ten leaves of the book and then between the same, and is pasted or tipped onto the leaf adjacent to the section, as shown in Fig. 1 of the drawings. This forms the first section, D. The inner edge of the fly-leaf B is made to embrace the back of the leaves forming the section D in the same manner and with the strip of cloth C, and is tipped onto the leaf or page opposite to the one to which the edge of the cloth C is attached, as shown in Fig. 1 of the drawings.

The section D', composed of the last ten leaves of the book, embodies the same general features in form and construction as that already described in connection with the front section, D, of the book.

This method or form makes a strong and durable binding, and allows the covers of the book to operate something like a hinged joint, not only allowing the book to be easily opened out flat, but the covers may be turned back without danger of breaking loose at the point of union, as all the strain or drag is not thrown onto the waste-paper or fly-leaf.

The different parts entering into the construction of a book are sewed together in the usual manner.

I do not strictly confine myself to the use of cloth to form the hinged joint, but may employ any other flexible material that may be found to be suitable for this purpose.

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

As a new article of manufacture, a book consisting of the filling or book proper, having sections D D', the strips of cloth C C', the fly-leaves B B', and the cover A, constructed, combined, and arranged substantially as and for the purpose herein set forth.

JOHN J. HANLON.

Witnesses:

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