

C. R. DURYEA.
 BINDING FOR BOOKS.
 APPLICATION FILED FEB. 4, 1909.

951,436.

Patented Mar. 8, 1910.

Fig. 1.

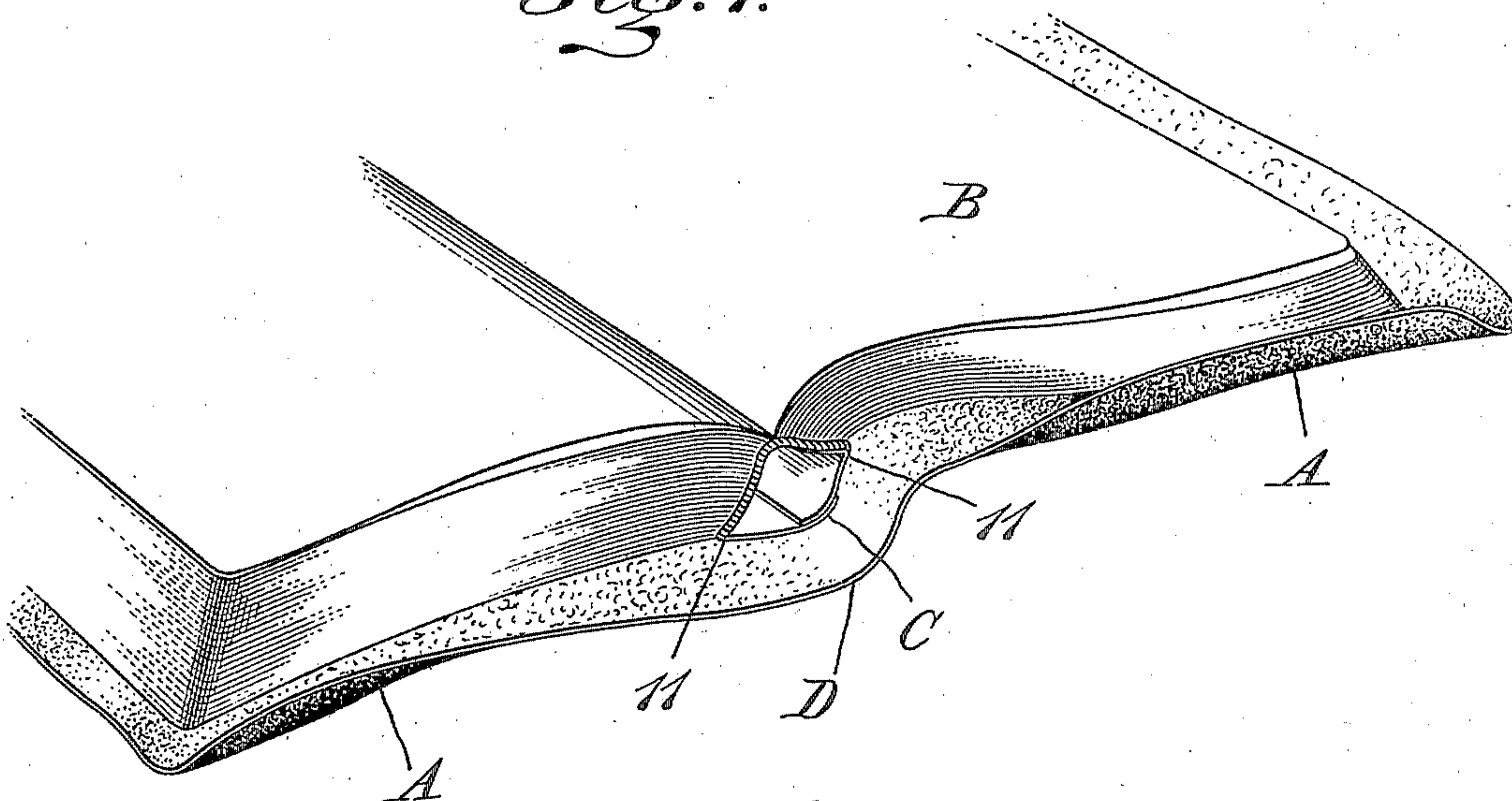


Fig. 2.

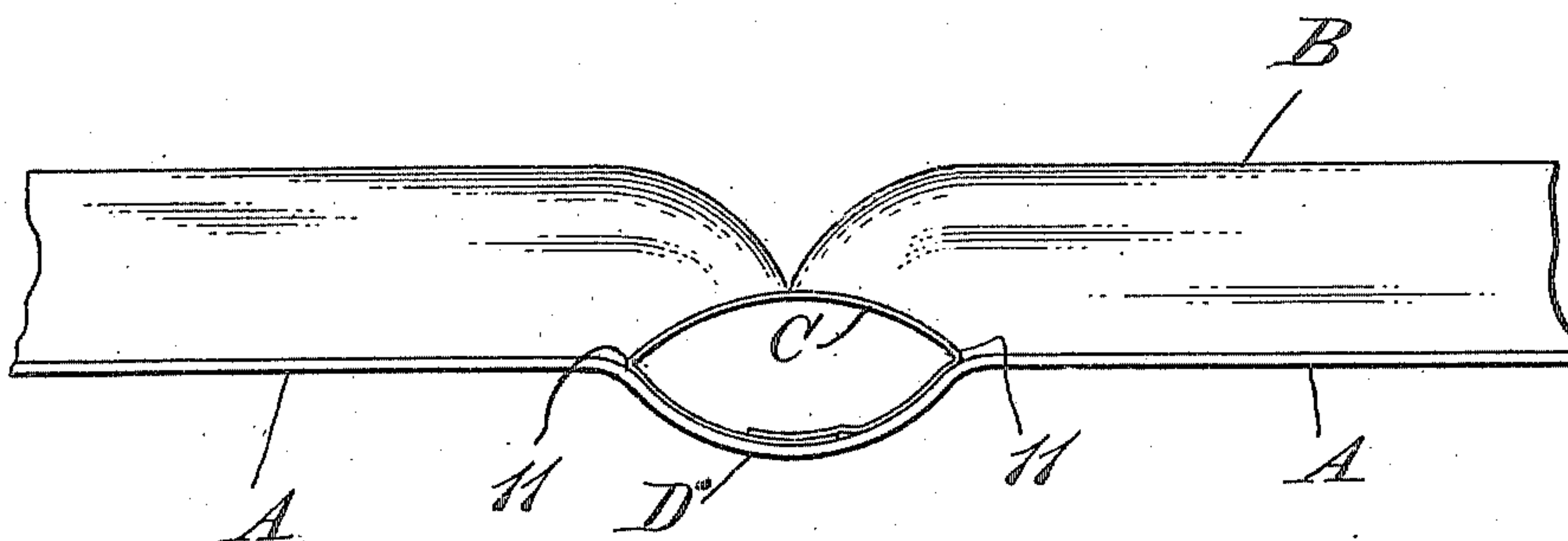


Fig. 3.

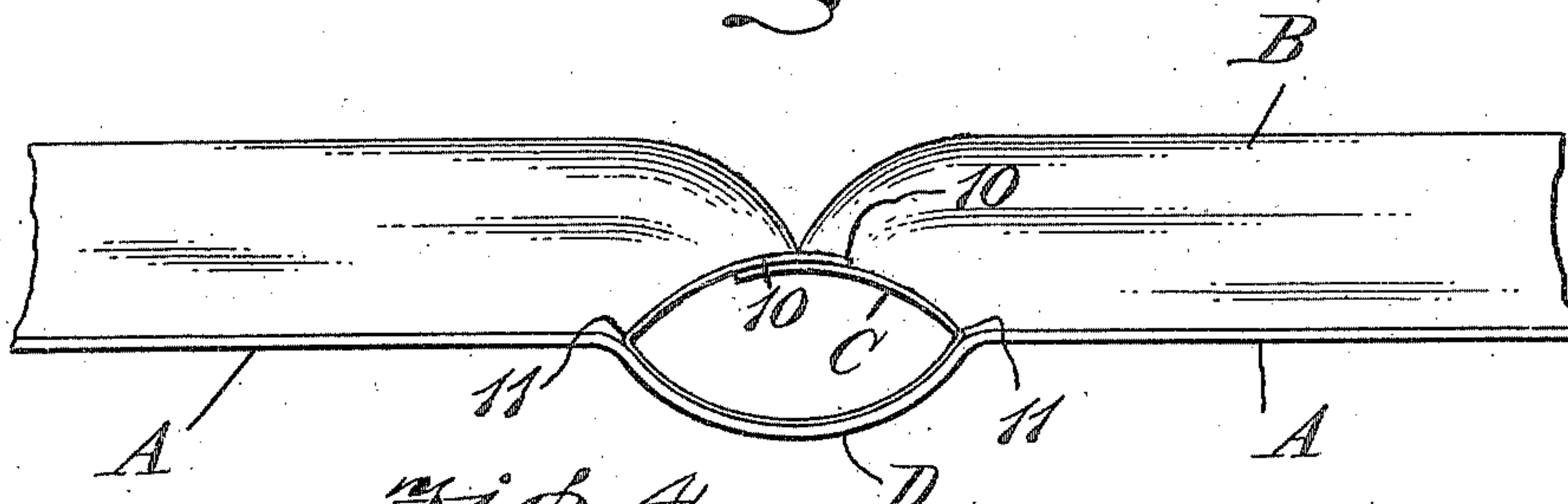
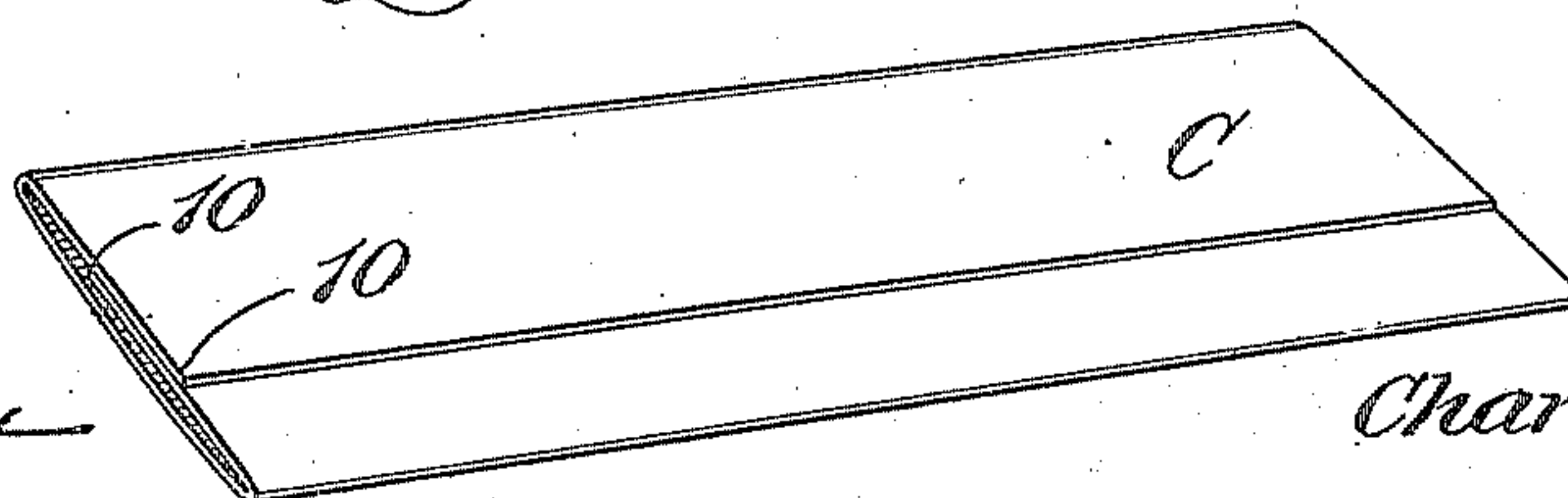


Fig. 4.



WITNESSES

W. C. Abbott
W. H. Humeke

INVENTOR

Charles R. Duryea

BY

[Signature]
 ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES R. DURYEA, OF AMITYVILLE, NEW YORK, ASSIGNOR TO JAMES POTT & CO.,
OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

BINDING FOR BOOKS.

951,436.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES R. DURYEA, a citizen of the United States, and a resident of Amityville, in the county of Suffolk and State of New York, have invented certain Improvements in Bindings for Books, of which the following is a specification.

This invention relates to certain improvements in bindings for books, and more particularly in that class of such bindings having limp or flexible backs, and the object of the invention is to provide a binding of this general character of a simple and comparatively inexpensive nature, and of a strong and durable construction, having novel and improved means for holding the leaves or signatures in relation to the binding without in any way interfering with the desirable flat opening of the book attained by the employment of such limp or flexible back.

The invention consists in certain novel features of the construction, and combinations and arrangements of the several parts of the improved binding, whereby certain important advantages are attained, and the binding is made simpler, less expensive, and stronger, and otherwise better adapted and more convenient for use, all as will be hereinafter fully set forth.

The novel features of the invention will be carefully defined in the claims.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein—

Figure 1 is a fragmentary perspective view showing a portion of a book provided with a binding embodying my improvements; Fig. 2 is an end view, drawn to an enlarged scale, and showing the book as illustrated in Fig. 1; Fig. 3 is a view somewhat similar to Fig. 2, but showing a modified formation of the improved binding, and Fig. 4 is a perspective view showing certain features of construction of the flexible binding tube forming part of my improved binding.

In these views I have shown my invention embodied in a book having limp or flexible sides or covers, such as are commonly provided for Oxford Bibles, and the like, but, while my improvements are especially well adapted for use in such books, I do not desire to be understood as limiting myself to

such use exclusively, since it will be apparent that my invention may also be embodied, with good results and without departure from its principles and spirit, in books having bindings of other styles or types.

In the drawings A, A, represent the sides or covers of the book, and D represents the limp or flexible back thereof, these parts being herein shown as formed from an integral piece or sheet of flexible or pliant material, while B represents the body of the book, comprising sheets or signatures secured together at their binding edges in the usual or any preferred manner.

C represents a connecting member, formed from an elongated piece or strip of pliant, flexible material of any preferred description, comprising opposite inner and outer sides or plies adapted to be laid flush one upon the other, and connected by integral bent parts 11, 11, which afford flexible joints between the meeting edges of such opposite sides or plies along the opposite sides of said elongated strip or member, the opposite edges of the piece or strip of material from which the said connecting member C is produced being lapped flush one upon the other along the central part of one of said sides or plies, and being securely held in relation by means of glue or cement, or some equivalent securing means, as clearly shown at 10, 10 upon the drawings, so that the joint between such lapped edges of the piece or strip of material is extended substantially centrally along one of the plies comprised in said connecting member C. The two opposite sides or plies of the connecting strip or member C are free from each other and are unconnected except at the joints 11, 11, and are capable of being freely separated and spread apart so as to impart a tubular form to said strip or member C, and in the construction of the improved binding as herein illustrated, I insert said connecting strip or member C between the back D of the binding and the binding edges of the sheets or signatures comprised in the body portion of the book, one of the sides or plies of said strip or member being glued or cemented flush upon the inner surface of the flexible back D, while the other ply or side of said connecting strip or member is glued or cemented flush upon the rear or back surface of the body portion B opposite to the binding edges of the sheets or signatures

thereof. By this arrangement of the parts of the improved binding the respective sides or plies of the connecting strip or member C being connected, one to the back D, and the other with the body portion B of the book, it will be seen that when the book is opened as shown in Figs. 1, 2 and 3, said sides or plies separate freely from each other, so as to afford a substantially flat opening of the book without liability of creasing of the back D of the binding, or cracking or loosening of the connections at the binding edges of the sheets or signatures, and at the same time the flexible joints 11, 11 at opposite sides of said strip or member C, afford secure connections for holding the back and sides or covers of the binding in relation to the body portion of the book, so that the strength of the binding is materially increased, and breakage at opposite sides of the back, such as is liable to occur where joints are present at such points, is avoided.

Where the connecting strip or member C is formed as herein shown, the side or ply having the lapped edges 10, 10 may be arranged either flush upon the back D of the binding, as shown in Figs. 1 and 2, or against the rear surface of the body portion B of the book, as shown in Fig. 3.

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

1. A book having a body portion, a back,

and covers, and a tubular connecting member having integrally connected sides secured, respectively, upon the inner surface of the back and the rear surface of the body portion and affording connections between the body portion and back at opposite sides of said back.

2. A book having a body portion, a back, and a connecting member formed from flexible material and having one edge portion lapped over and secured upon the other, said connecting member being continuously attached to the back and body portion upon its opposite surfaces.

3. A book having two parts, one of which is a back, and the other of which is a body portion comprising leaves or signatures and a connecting member formed from flexible material and having a central portion secured upon one of said parts, and having integral lateral portions secured to the other part and extended across the surface of such other part from its opposite sides toward its central portion, and affording flexible joints between the back and body portion extended along opposite sides of the back of the book.

In witness whereof I have hereunto signed my name, in the presence of two subscribing witnesses.

CHARLES R. DURYEA.

Witnesses:

A. F. CONNETT,

ERNEST W. BISCHOFF.