

2 Sheets—Sheet 1.

No. 573,202.

Patented Dec. 15, 1896.

Fig. 1.

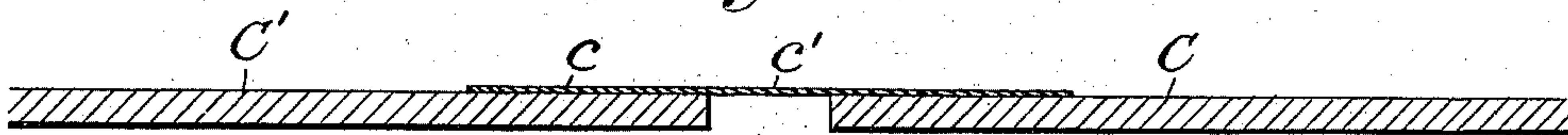
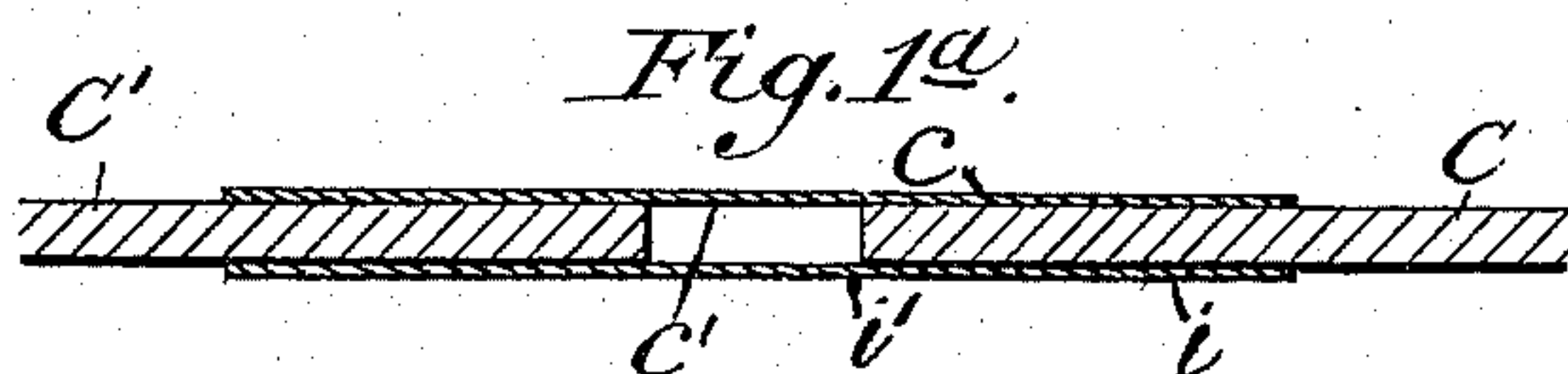


Fig. 1^a.



D Fig. 2.

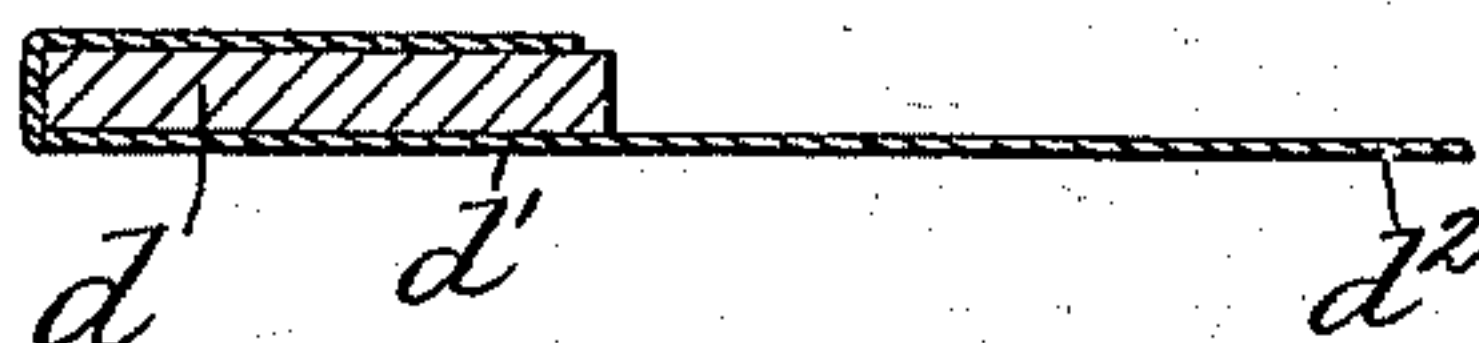


Fig. 3.

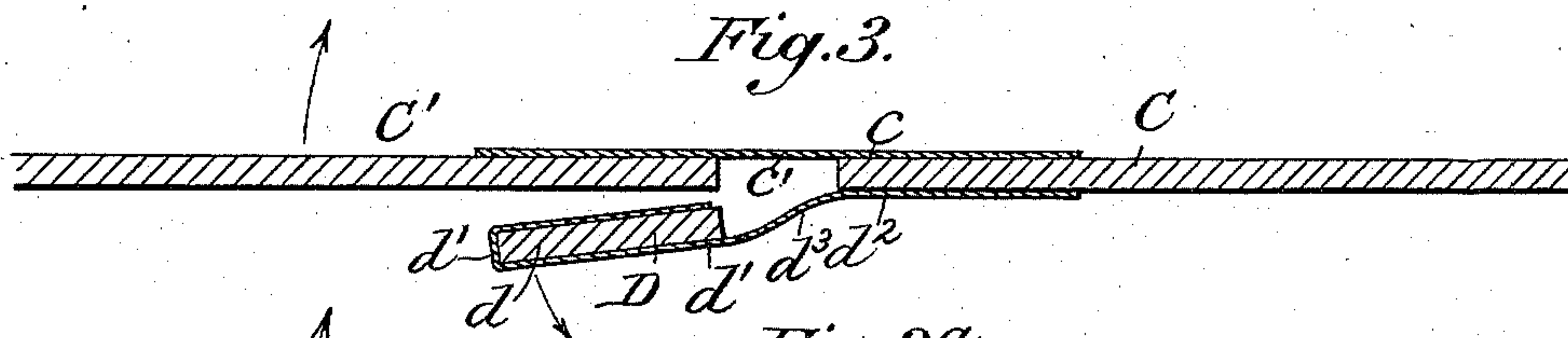


Fig. 3a

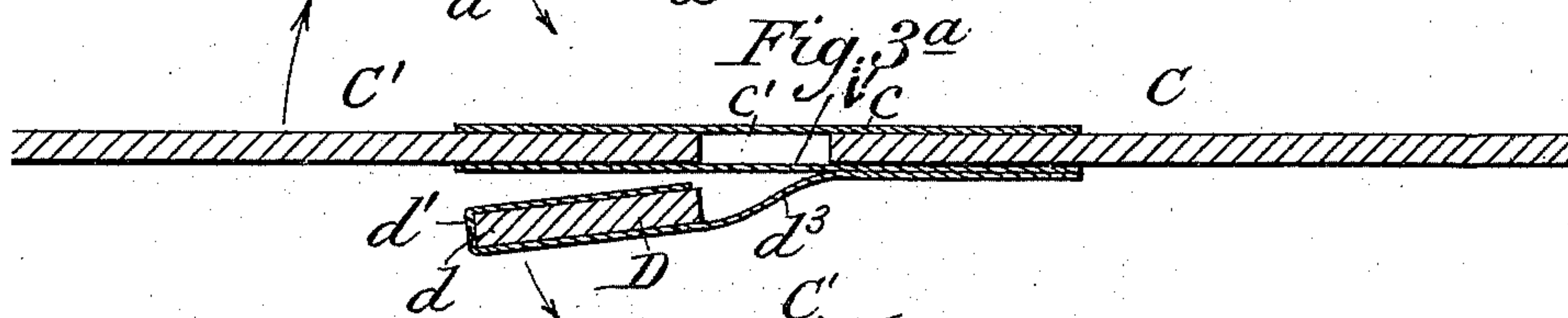


Fig. 4. d

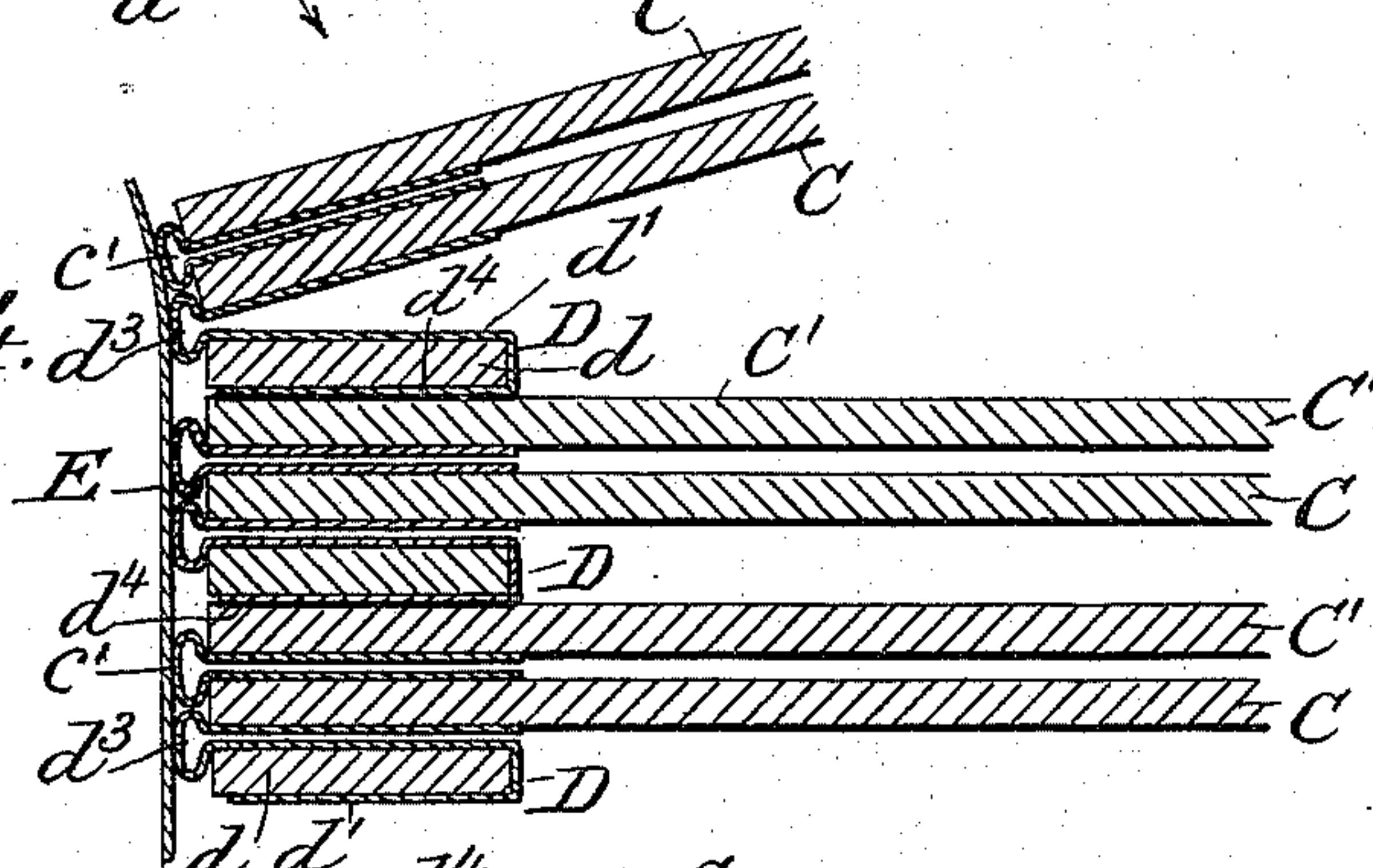
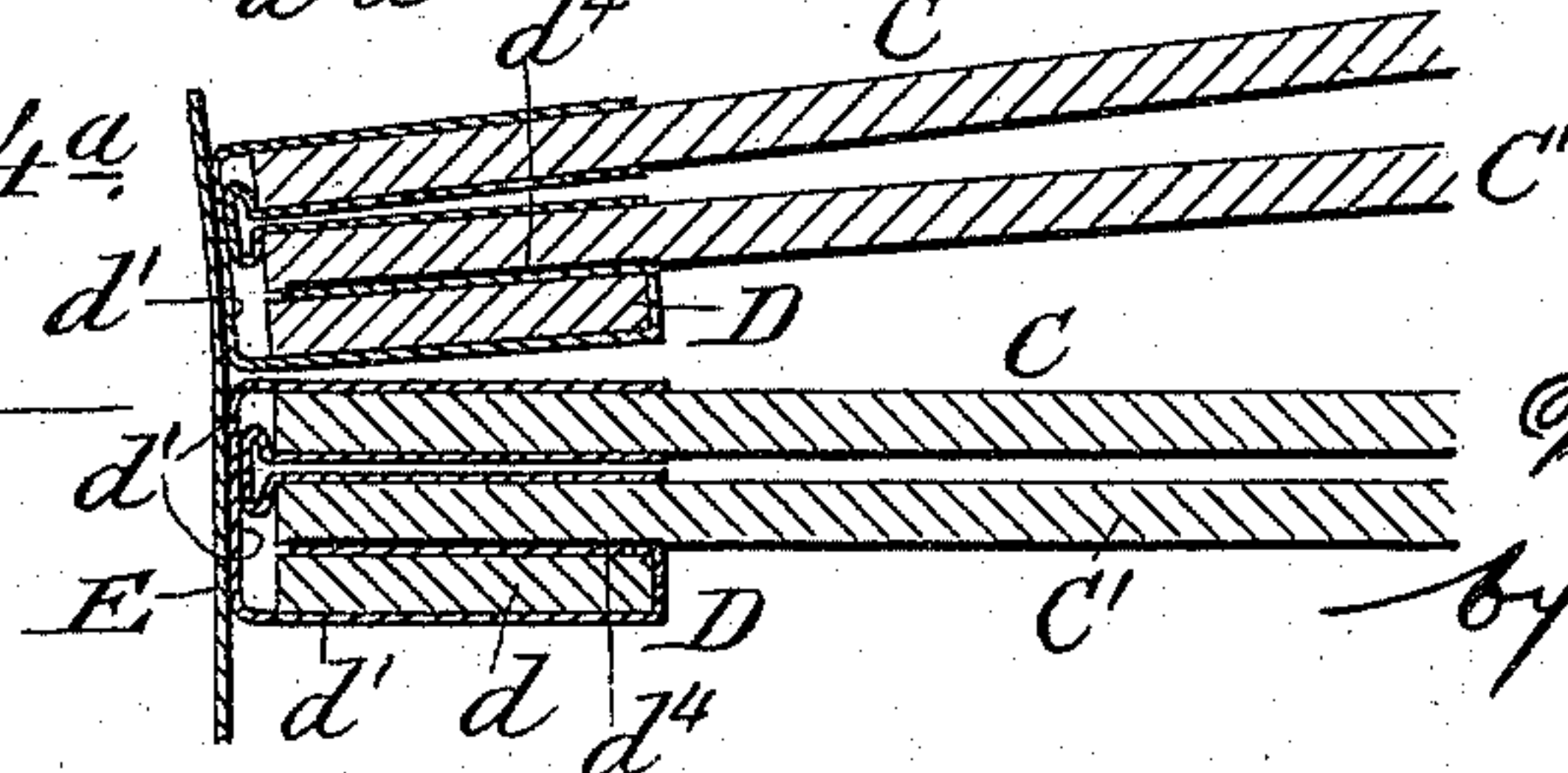


Fig. 4^a.



Attest:

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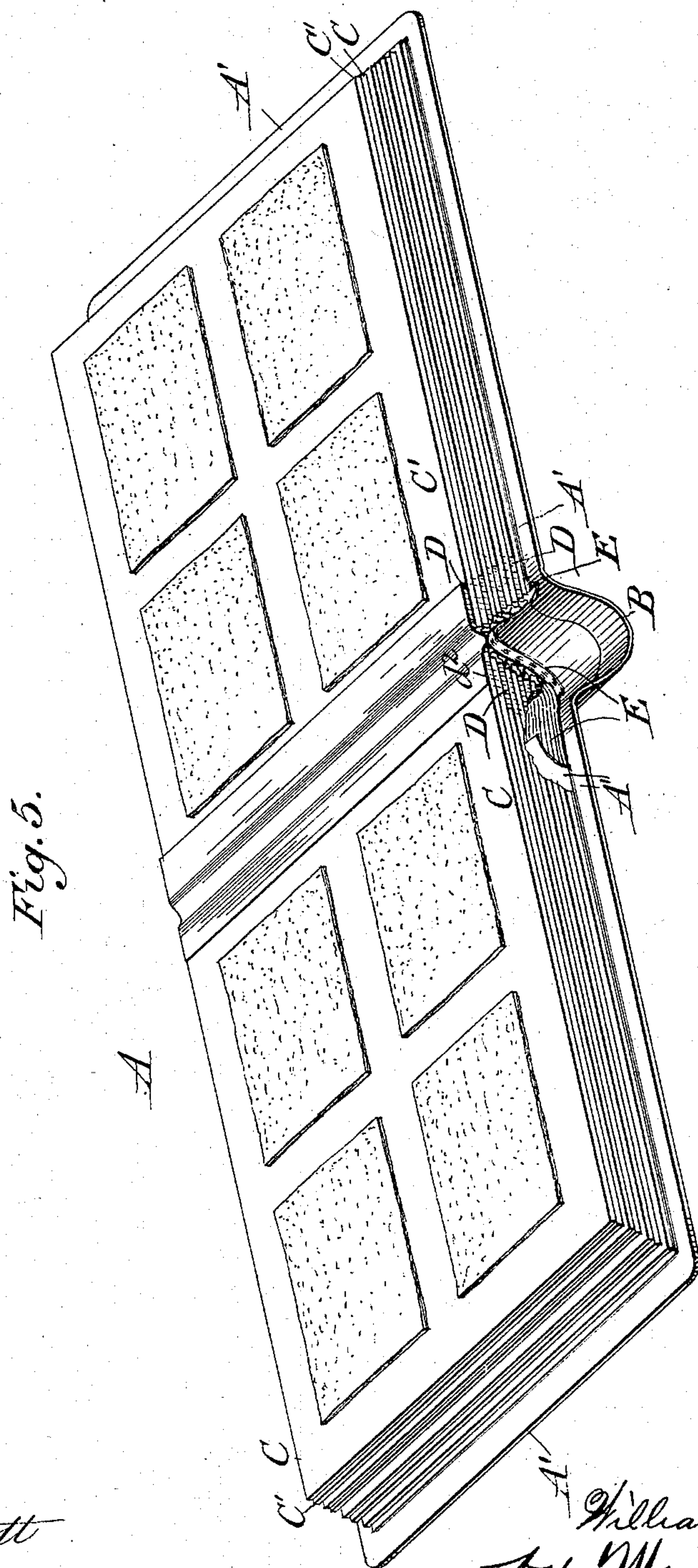
(No Model.)

2 Sheets—Sheet 2.

W. BUCKSATH
BOOK.

No. 573,202.

Patented Dec. 15, 1896.



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UNITED STATES PATENT OFFICE.

WILLIAM BUCKSATH, OF NEW YORK, N. Y.

BOOK.

SPECIFICATION forming part of Letters Patent No. 573,202, dated December 15, 1896.

Application filed June 1, 1896. Serial No. 593,838. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BUCKSATH, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Books; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to books, and in particular to that class of books having heavy sheets or leaves and adapted to have pictures, textile samples, clippings, photographs, or the like pasted or otherwise secured to the leaves, so as to occupy a position intermediate the leaves, as is the case, for example, in sample-books, scrap-books, albums, herbariums, and the like.

The object of this invention is to provide a book which will not be caused to bulge or spread at the edges and thus lose its shape by reason of the matter attached to the leaves, and which, when filled with such matter, will have its covers as nearly parallel to each other as practically possible. Books have heretofore been made with this object in view by connecting each sheet with a check or stub by a flexible hinge-strip, bending each check or stub over against the sheet, and pasting it to the adjacent sheet, and then further uniting the so-assembled sheets by a backing-strip pasted to the flexible hinge-strip. This construction effectually overcomes the objections above pointed out, but, as will be seen, it necessitates the use of as many checks or stubs as there are sheets.

In a book made according to my invention I secure the advantage of interposing a spreading stub between every two sheets only, which is sufficient generally to secure the parallelism of the covers after the book has been filled with samples, pictures, &c.

My invention also results in a cheapening of the manufacture of such books and at the same time greater strength of the binding.

My invention consists in the features, means, and combination of parts, as will be hereinafter set forth, and pointed out in the claims forming part of this specification.

In the drawings accompanying this specification, Figure 1 represents a longitudinal

section of a double leaf detached from a book embodying my invention; Fig. 1^a, a similar view of a slightly-modified form of double leaf; Fig. 2, a similar view of one of the checks or stubs; Fig. 3, a similar sectional view of such double leaf with its check or stub attached; Fig. 3^a, a similar view of a slightly-modified form of double leaf with stub attached; Fig. 4, a similar view of a number of such double leaves with their stubs or checks assembled; Fig. 4^a, a similar view of a modified form of assembling such double leaves with their stubs, and Fig. 5 a perspective view of the book embodying my invention.

Referring to the drawings, it will be noted that the book A has the usual covers A' A' and back B. Between these covers are arranged the double-hinged leaves C C', preferably of cardboard or other stiff material, and spreading stubs D, of similar material, which are constructed, connected together, assembled, and secured to the covers of the book in the manner now to be detailed.

Each leaf C is connected at its inner edge to its companion leaf C' by one or two flexible hinge-strips *c* or *c'* and *i*, as shown in Figs. 1 and 1^a, respectively, of muslin or other suitable textile or equivalent material, a sufficient space being left between the adjacent edges, as shown at *c'* or *c'* and *i'*, to permit the leaves to be folded together on said strip or strips as a hinge. (See Figs. 4 and 4^a.) The spreading stubs or checks D (see Fig. 2) are each made of a strip *d*, of cardboard or similar material, around which a strengthening flexible strip *d'*, of muslin or other textile or equivalent material, is folded and pasted, so as to cover and protect it, and particularly its front edges, against wear and injury. This flexible strip *d'*, as shown, extends backward beyond the stiff strip *d* sufficiently to enable it to be attached to the pair of leaves C C', as best shown in Fig. 3, where the projecting flexible flap *d''* of the strip *d'* is shown as pasted or attached to the leaf C of the double leaf C C'. Sufficient space is left between the strip *d* and the leaf C to allow the flexible strip *d'* to form a hinge, as at *d''*.

The required number of double sheets comprising two sheets united by an intermediate flexible hinge portion, consisting of one or two strips of textile material, with attached

spreading stubs or checks, are assembled in the manner best shown in Figs. 4 and 4^a.

In the arrangement as shown in Fig. 4 the double leaf C C' is folded on the hinge c' and the stub D on hinge d³, so that the spreading stub D is on the outside. The folded double leaves are then piled together with a stub D between each pair, the stub D of each double leaf C C' being pasted or otherwise attached to the adjoining leaf C' of the adjacent double leaf, as indicated by the heavy lines d⁴. The leaves and stubs so assembled and connected are then pasted or otherwise attached to a strip E of binder's cloth, which in turn is secured to the covers or back, or both, of the book in the manner shown in Fig. 5, *i. e.*, by pasting or otherwise attaching the projecting ends or tongues of the strip E to the covers A A' of the book. This, however, forms no part of my invention and any other known or suitable means for securing the strip E to the book may be resorted to.

In the modified arrangement shown in Fig. 4^a the parts are assembled in the same manner as in Fig. 4, except that here each stub D is pasted or attached to the leaf C' of the pair of which it forms a part and to the leaf C, of which pair its projecting flexible strip d' has already been pasted. The double leaves in this case are connected by pasting or otherwise securing them to the backing-strip E.

Both forms, (shown in Figs. 4 and 4^a, respectively,) it will be noted, have the following features in common: a series of sheets arranged in pairs, each pair connected by a flexible strip, in combination with a series of stubs, one stub being arranged between each pair of sheets, the said stubs being connected to every alternate sheet by hinge-strips of textile material and bodily fastened to the remaining sheets of the series.

My invention results in a cheap construction which effectually prevents the spreading of the book and at the same time affords means whereby the binding of the book may be made sufficiently strong to resist the wear and tear to which books of the character to which the invention is mainly directed are ordinarily subjected.

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

1. In a book, a double leaf consisting of two sheets and an intermediate flexible hinge portion of textile material secured to the two sheets, in combination with a stub connected to one of the sheets by a flexible hinge-strip of textile material.

2. In a book, a double leaf consisting of two sheets of cardboard, and an intermediate flexible hinge portion of textile material secured to the two sheets, in combination with a stub of cardboard connected to one of the sheets by a textile hinge-strip, the said hinge-strip being folded and pasted around and covering the front edge of the stub, substantially as set forth.

3. In a book, a series of sheets arranged in pairs, each pair connected by a flexible strip, in combination with a series of stubs, one stub arranged between each pair of sheets and the next pair, the stubs being connected to every alternate sheet by hinge-strips of textile material and bodily fastened to the remaining sheets of the series, substantially as set forth.

4. In a book a series of double leaves connected together by flexible strips in combination with spreading stubs one for each double leaf, each stub being attached to one leaf and connected to the other leaf of the same double leaf by a flexible strip, substantially as set forth.

5. In a book a series of sheets arranged in pairs each pair connected by a flexible strip, in combination with a series of stubs, one stub arranged between each pair of sheets and the next pair the stubs being connected to every alternate sheet by hinge-strips of textile material and bodily fastened to the remaining sheets of the series, the sheets and stubs being all attached to a flexible strip as, E, substantially as set forth.

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

WILLIAM BUCKSATII.

Witnesses:

HENRY B. SALISBURY,
ISAAC HYMAN.