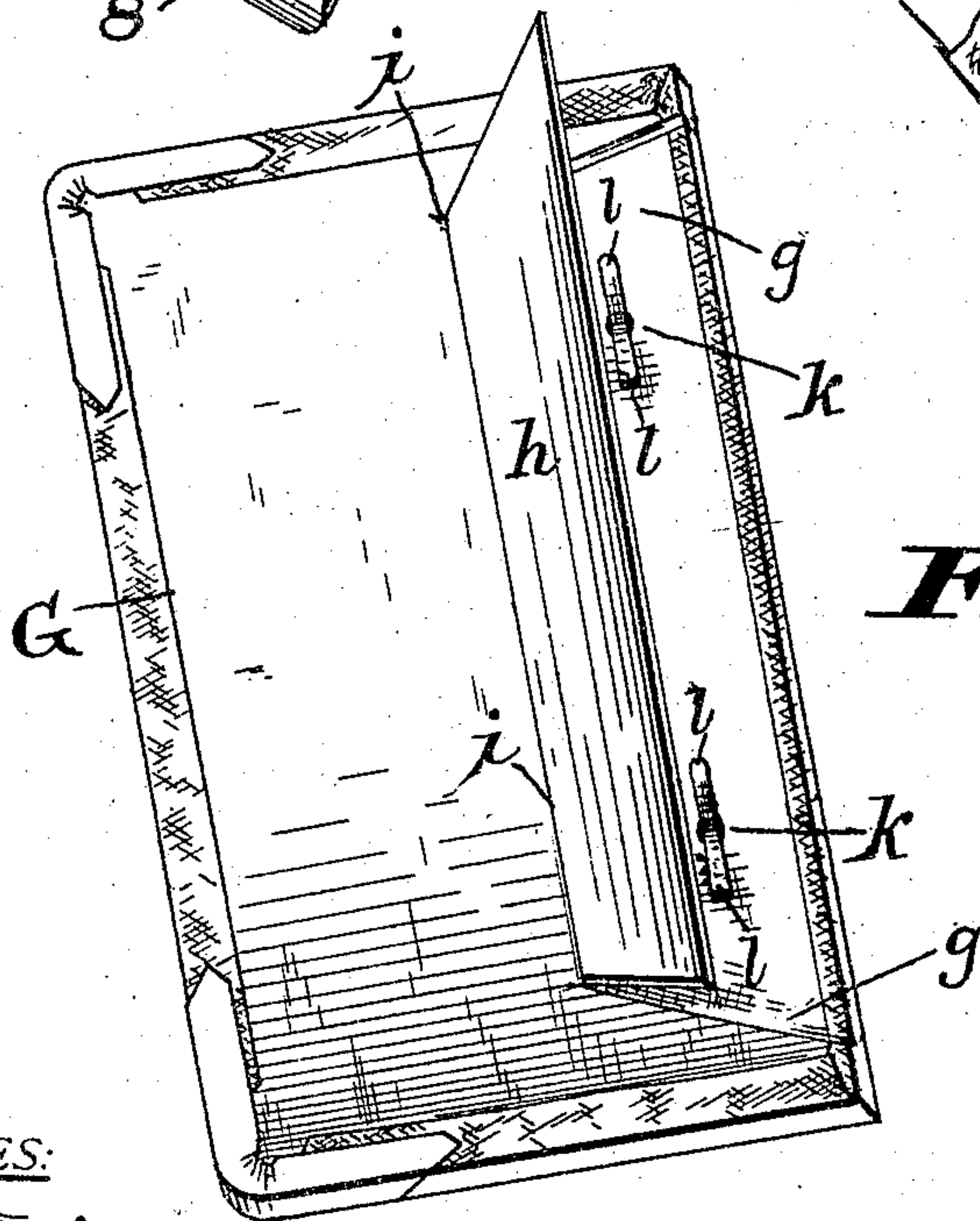
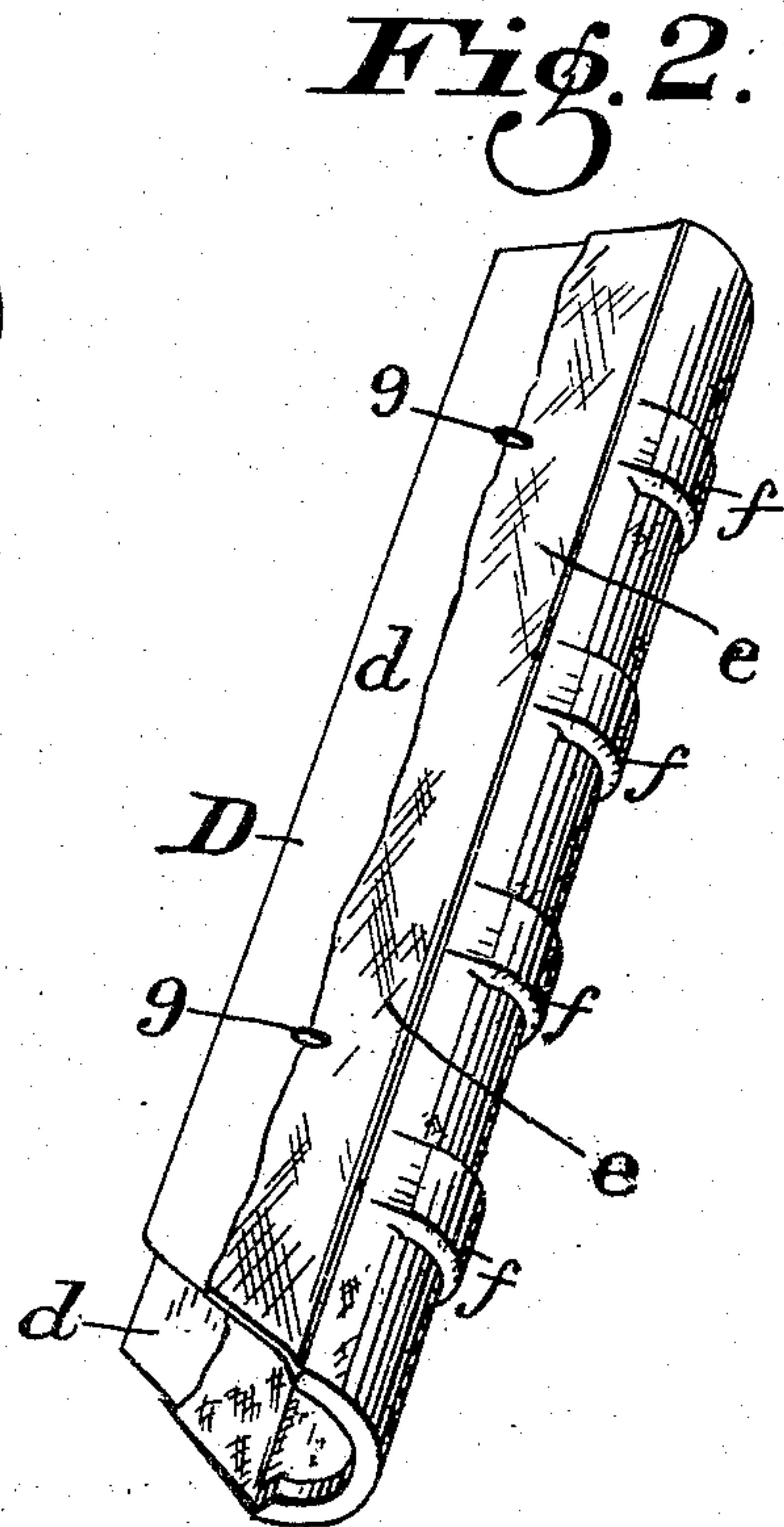
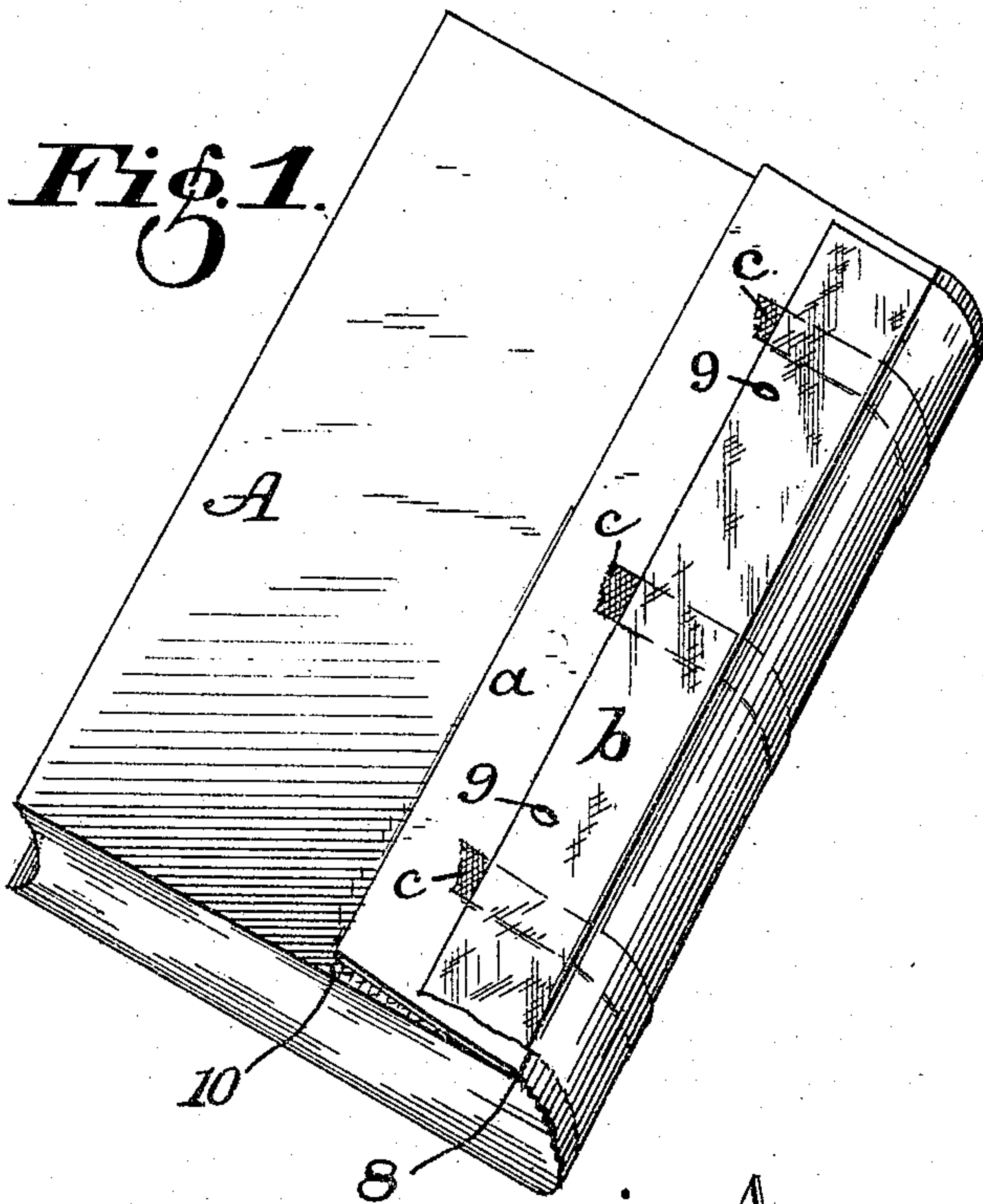


No. 782,365.

PATENTED FEB. 14, 1905.

L. STREIT.  
BINDING FOR BOOKS.  
APPLICATION FILED AUG. 19, 1903.

2 SHEETS—SHEET 1.



WITNESSES:

Benj. Fuaka.  
Fred Christy

INVENTOR:

Louis Streit,  
BY  
Frank M. Burnham  
Attorney.



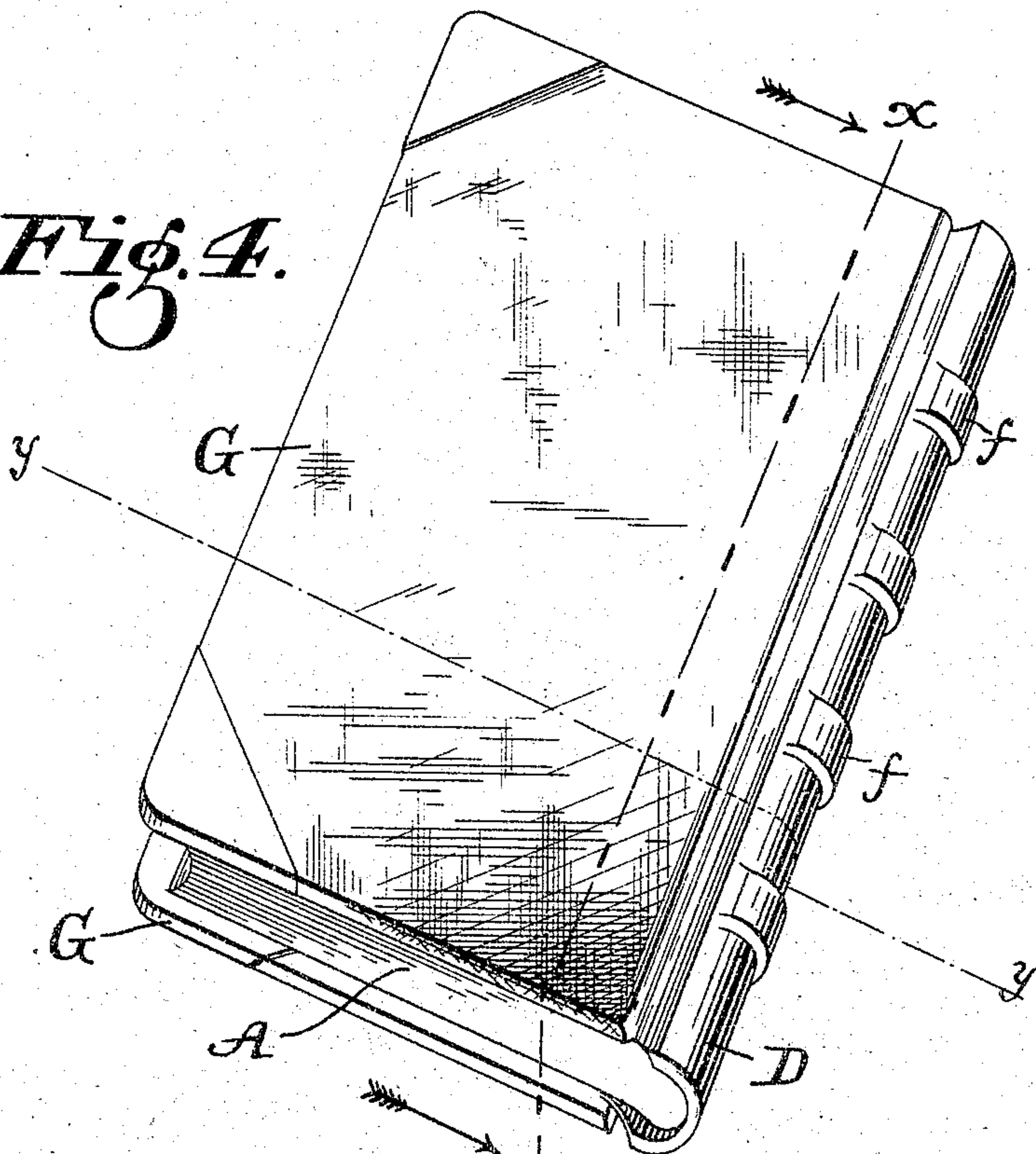
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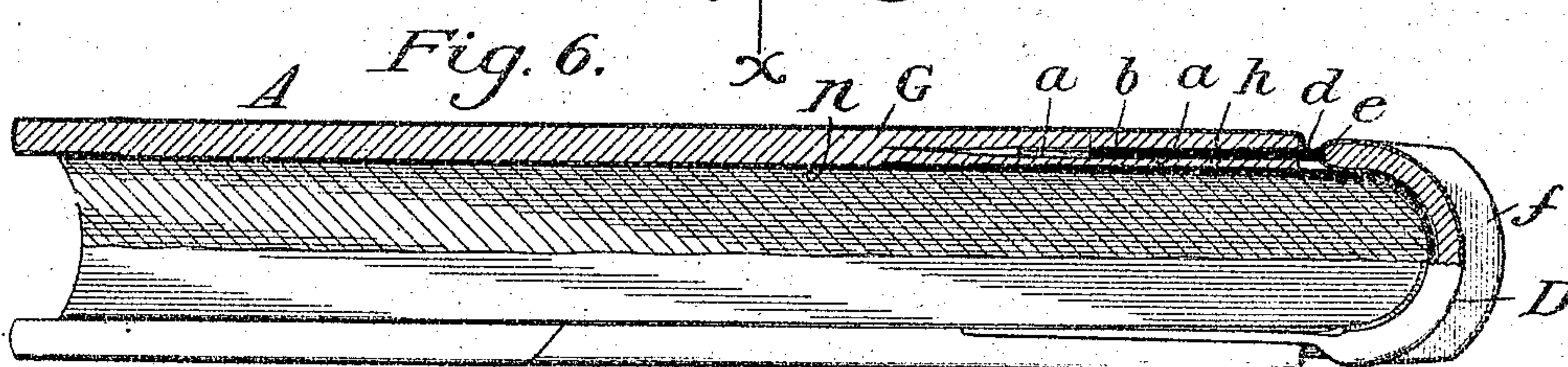
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2 SHEETS—SHEET 2.

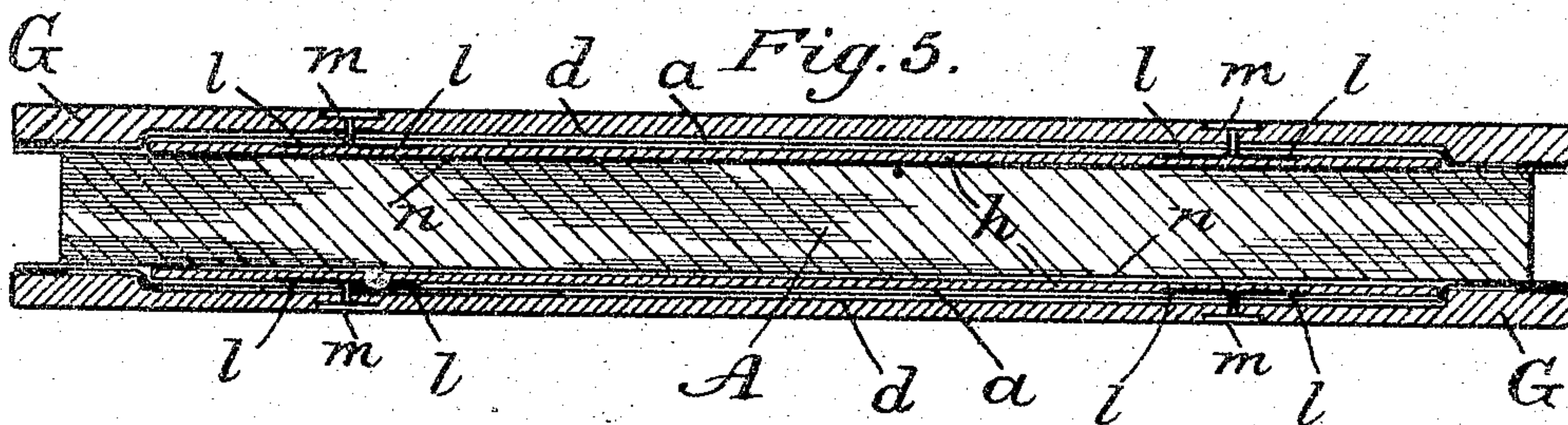
*Fig. 4.*



*Fig. 6.*



*Fig. 5.*



WITNESSES:

Bory. Fiala.  
Fred. Hecht.

INVENTOR:

Louis Streit,  
By  
Frank M. Burnham  
Attorney.



# UNITED STATES PATENT OFFICE.

LOUIS STREIT, OF DAYTON, OHIO.

## BINDING FOR BOOKS.

SPECIFICATION forming part of Letters Patent No. 782,365, dated February 14, 1905.

Application filed August 19, 1903. Serial No. 170,012.

*To all whom it may concern:*

Be it known that I, LOUIS STREIT, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Bindings for 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to an improved binding for books, and while my improvements may be used with equal advantage in book-binding generally of any or all classes or styles it is more directly applicable and more particularly and especially designed and intended to be used in connection with the binding of blank-books, which for the purpose they are intended have necessarily to be constructed out of more substantial material and in a stronger and more durable manner.

Some of the objects or purposes of this invention consist in providing means for the binding of books generally, but more especially heavy books, and particularly blank-books, such as ledgers, &c., by which time, labor, and material may be saved, thus facilitating their construction and making them less expensive in cost of manufacture and also in producing a book possessing more durability, wearing and lasting qualities, and of more substantial construction generally than books bound, as at present, by other methods, wherein the binding is done by hand and the covers simply glued to the body and the entire outside then covered with cloth or leather.

In carrying out my improvements in the binding of books, and referring in general terms to the construction, this invention consists of the body of the book made up of the requisite or desired number of leaves, the back, and the covers, all of which are made separate and then joined or connected together in accordance with my system and the peculiar manner of binding or combining said

parts, as will be more fully described hereinafter and pointed out in the subjoined claims in accordance with the statutes in such cases made and provided therefor.

Referring to the annexed drawings, illustrating my invention and constituting a formal part of this specification, and wherein the same letters and numerals of reference refer to like parts wherever occurring throughout the several views, Figure 1 is a perspective view of the body of a book. Fig. 2 is a perspective view of the back portion of a book. Fig. 3 is a perspective view of one of the covers of a book looking at the inner side or face thereof. Fig. 4 is a perspective view of a blank-book complete after all the parts have been assembled and bound together according to my system. Fig. 5 is a longitudinal transverse sectional view taken on line *x x* of Fig. 4, but on a somewhat-enlarged scale. Fig. 6 is a sectional view taken on line *y y* of Fig. 4.

In describing my said invention, and referring in detail to the different parts or features of construction as shown throughout the various views of the accompanying drawings and indicated by means of the letters and numerals of reference, as aforesaid, A indicates the body of a book made up or composed of the leaves, said leaves being sewed and glued together at the back or rear edges in the usual customary and well-known manner, and said body being further provided on each side with a longitudinal strip or flap *a*, of strong heavy paper, having a hinged connection to the body, as at 8, and reinforced by portion *b* and straps *c*, said portion and straps being preferably constructed out of suitable textile material—as, for example, a coarse linen or canvas and tape, respectively.

As is more clearly shown in Fig. 2, back D is formed of strong paper, as at *d*, also heavy strong material, as at *e*, the same as the outside of the covers. In the style herein illustrated I have shown this material as consisting of a coarse strong textile or fabric; but it is obvious that leather or any suitable material may be used, as the material is of course no part of the invention. Said back is then formed with ribs *f* by means of a machine provided with dies, in which it is placed and



then submitted to a severe pressure, said machine not being here shown, as it is no part of this invention.

The covers or sides G are each formed out of the usual quality of heavy pasteboard and provided with a recess or cut-out at *g*, adapted to receive a wing *h*, which is somewhat thinner at *i*, thus forming a flexible joint which permits of wing *h* to rest in recess *g*, as will be more fully described hereinafter. Said covers are further provided with fasteners or retaining-clips *k*, constructed out of thin sheet metal and formed with flexible bifurcated or pronged ends *l*, said fasteners being retained securely in position by reason of being seated in the body of the cover at *m*.

Slotted openings or eyes 9 are formed in flap *a* and the flexible portion of back D, so that as these last-mentioned parts are glued or pasted together when the back is placed in position on the body of the book said eyes will register, or, if so desired, said eyes may be punched or cut after the parts are glued together as aforesaid, and as the covers are placed in position the flexible prongs *l* of fasteners *k* are passed through eyes 9 and wing *h* is passed underneath at 10 (see Fig. 1) and glued and pressed to flap *a* in recess *g*, and the entire inside of said cover then has a sheet of paper known as a "fly" or "waste" leaf *n* glued or pasted over it, (see Fig. 5,) and after being pressed until dry in the usual manner a strong complete book is formed, as shown in Fig. 4.

It will be obvious that as the purpose of fasteners *k* is only to assist or reinforce the strength of the glue at this point in assembling the parts together when a heavy book having a great many leaves is bound therefore these fasteners may be omitted in binding books of light weight and not having many leaves without lessening the advantages

of my system or departing from the principles of my invention.

I desire it to be here understood that according to the well-established and accepted doctrine of patent law I reserve the right to make any necessary and minor changes, all within the scope and spirit of the invention, and without departing from the same, as may from time to time be suggested.

Having now described my improved system of binding books, what I claim is—

1. In an improved binding for books, the combination with the body of the book; of the longitudinal flaps; the back formed with the flexible portions; and the covers each provided with fastening means, and formed with a recess; and the wing which rests in said recess, and with which each of said covers is further provided; said body, back and covers, being constructed separate and properly joined together; all substantially as and for the purposes described.

2. In an improved binding for books, a book having the parts all separately constructed and then properly and securely assembled and joined; comprising the body formed by the leaves and provided with the flaps; the back formed with the flexible portions adapted to connect with the flaps of said body; the covers each provided with fasteners adapted to securely engage said flaps and said flexible portions, a recess or cut-out in said covers and a wing adapted to be securely seated in said recess; all substantially as and for the purposes described.

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

LOUIS STREIT.

Witnesses:

CARRIE C. LANTZ,  
JAMES O. HARTSHORN.