

(No Model.)

2 Sheets--Sheet 1.

E. L. BRUNDAGE.
TEMPORARY BINDER.

No. 516,519.

Patented Mar. 13, 1894.

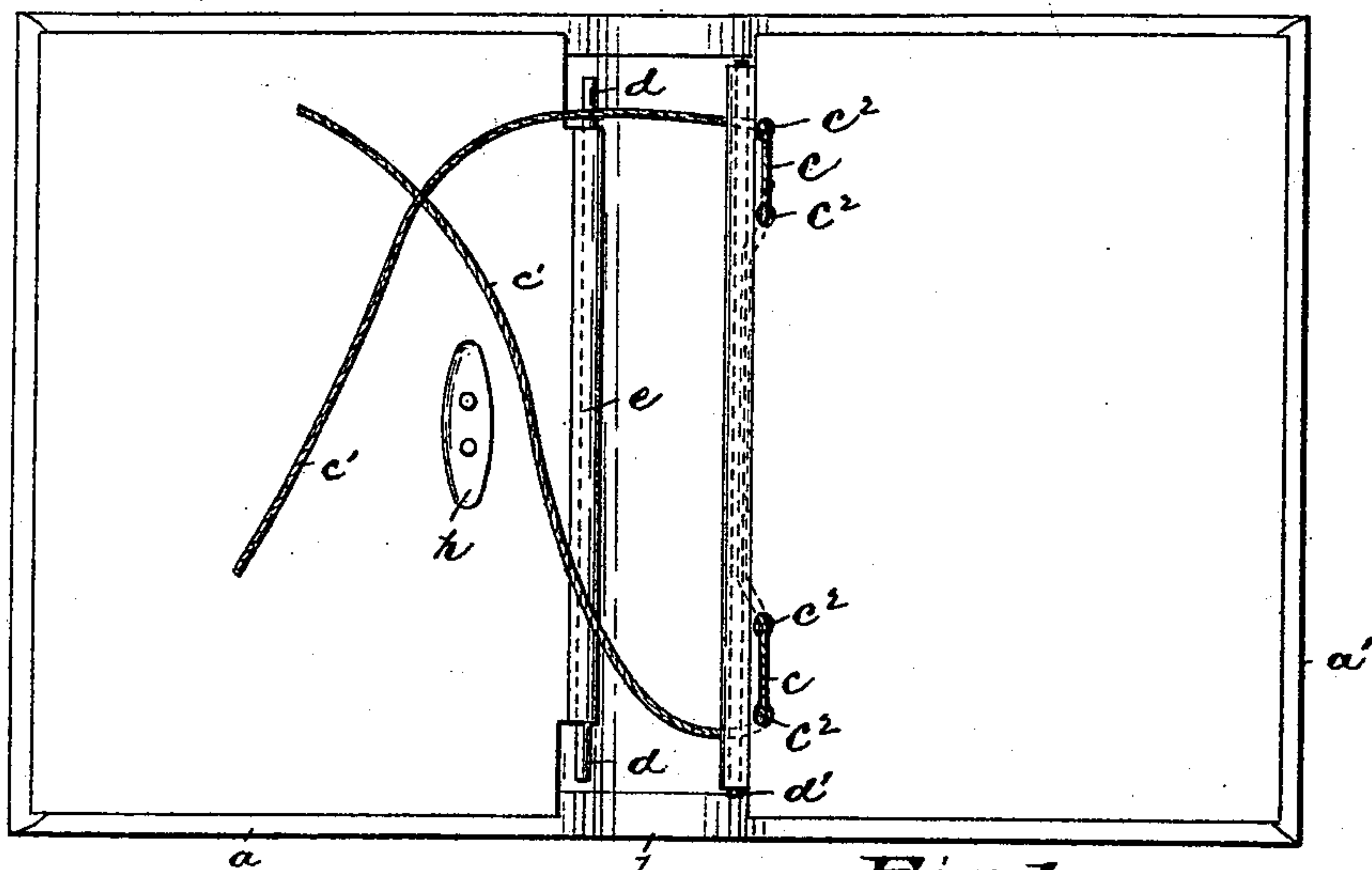


Fig. 1.

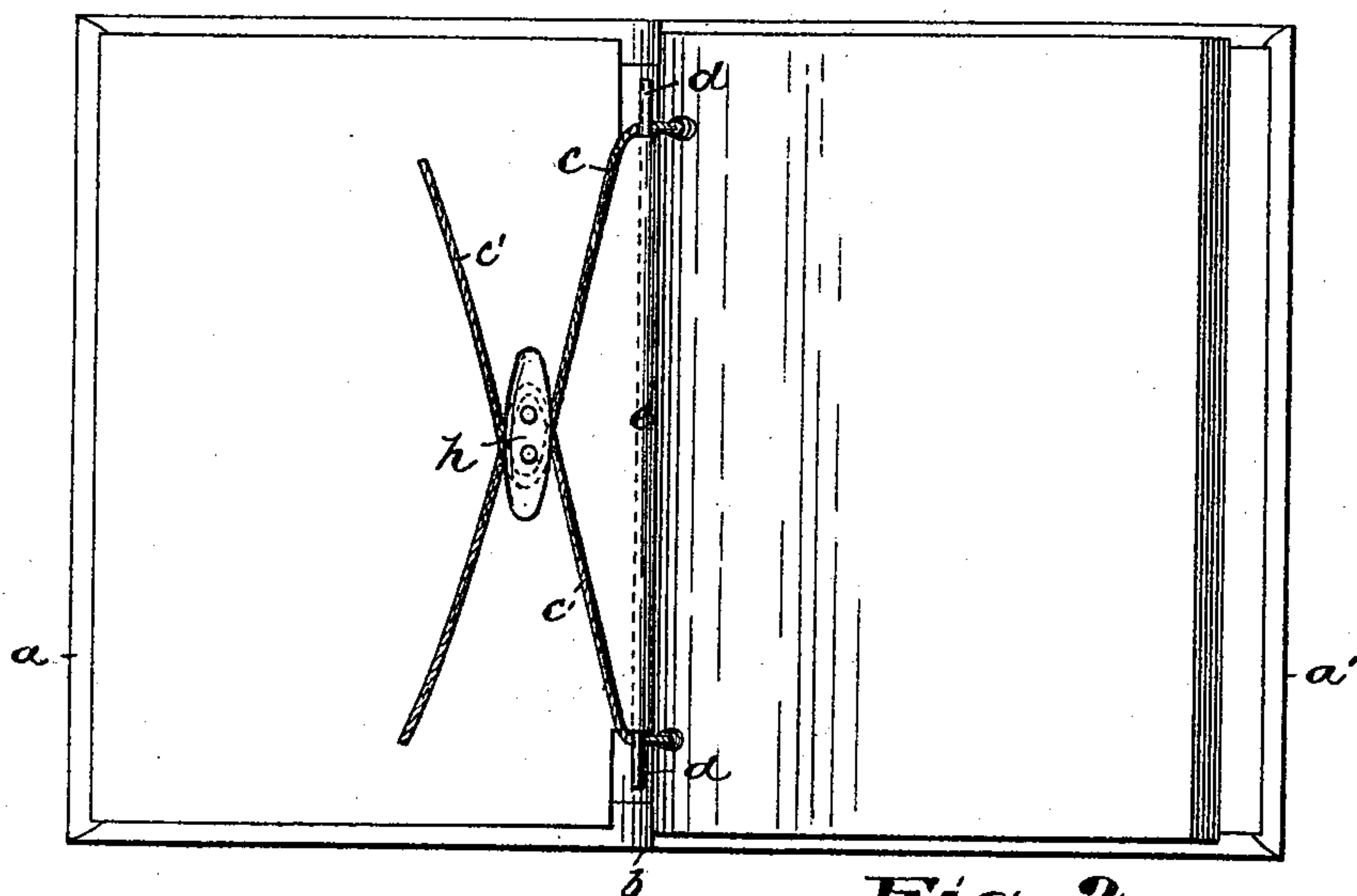


Fig. 2.

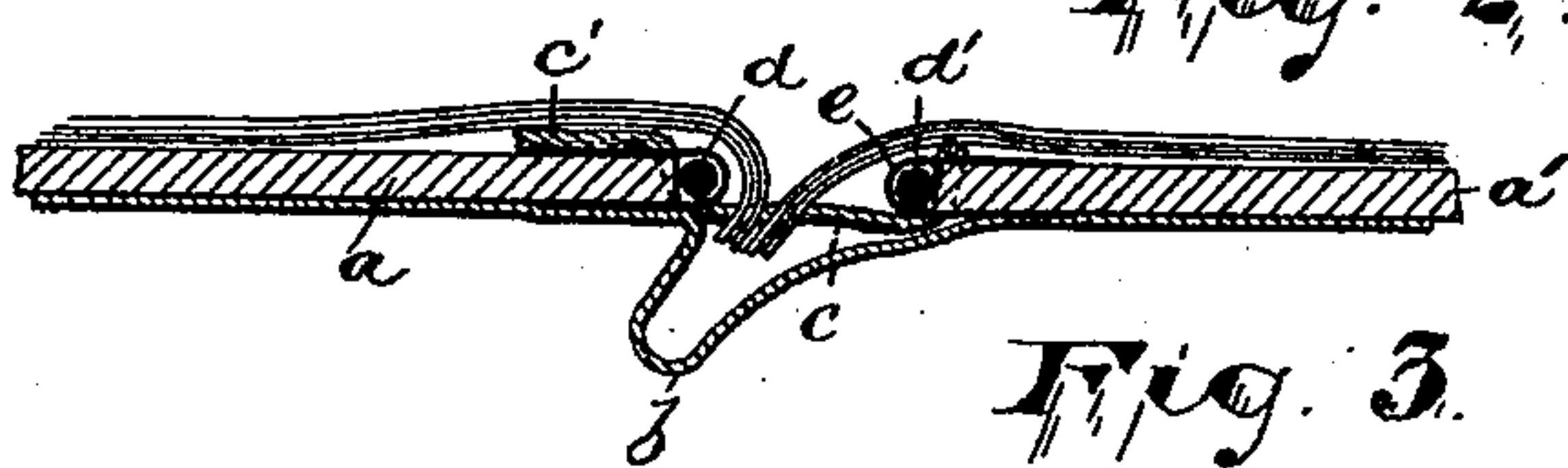


Fig. 3.

Witnesses

Inventor

Robert Solberger
James Wayland

Edwin L. Brundage,

By Drake & Co., Attys.

(No Model.)

2 Sheets—Sheet 2.

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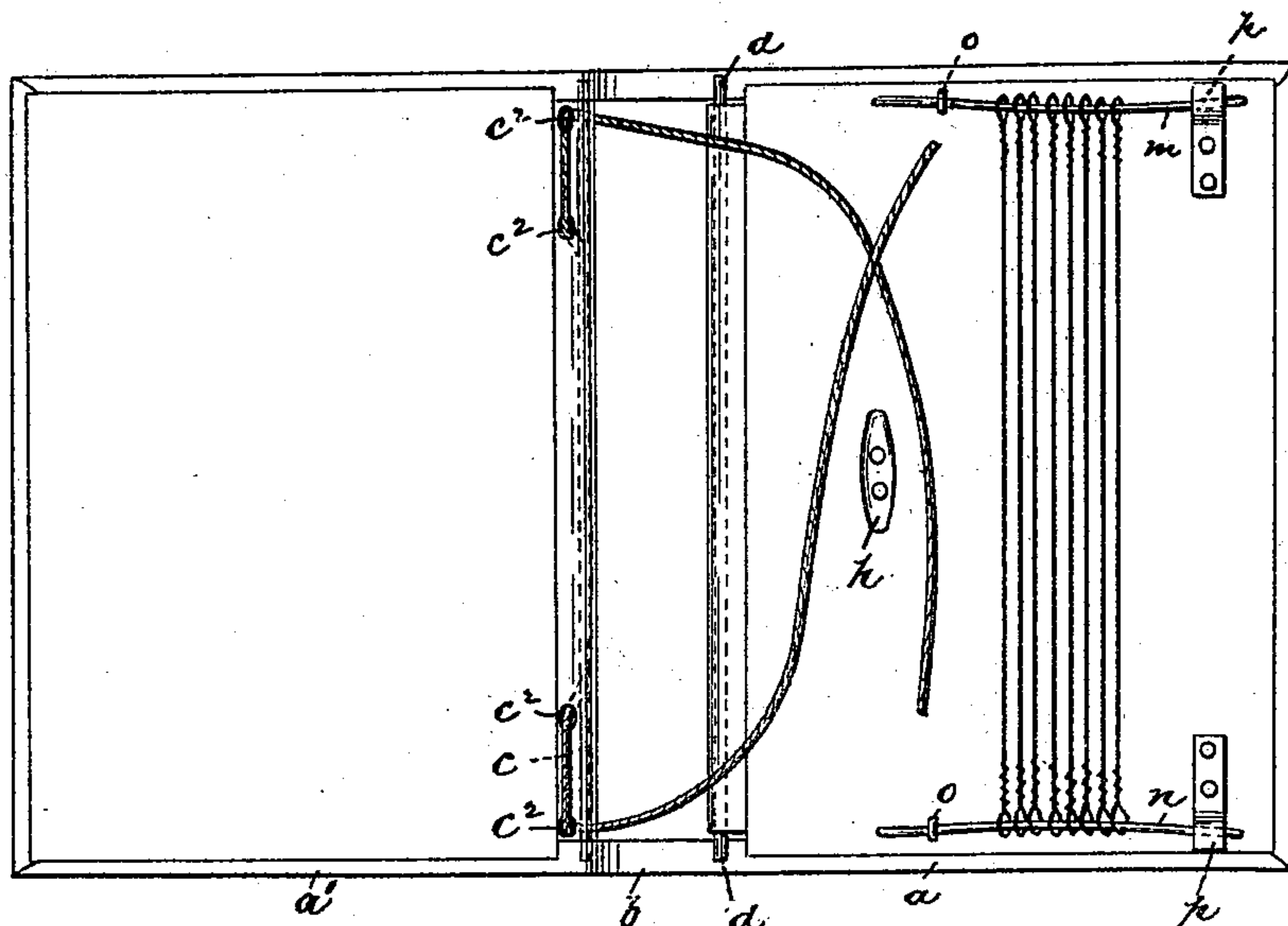


Fig. 4.

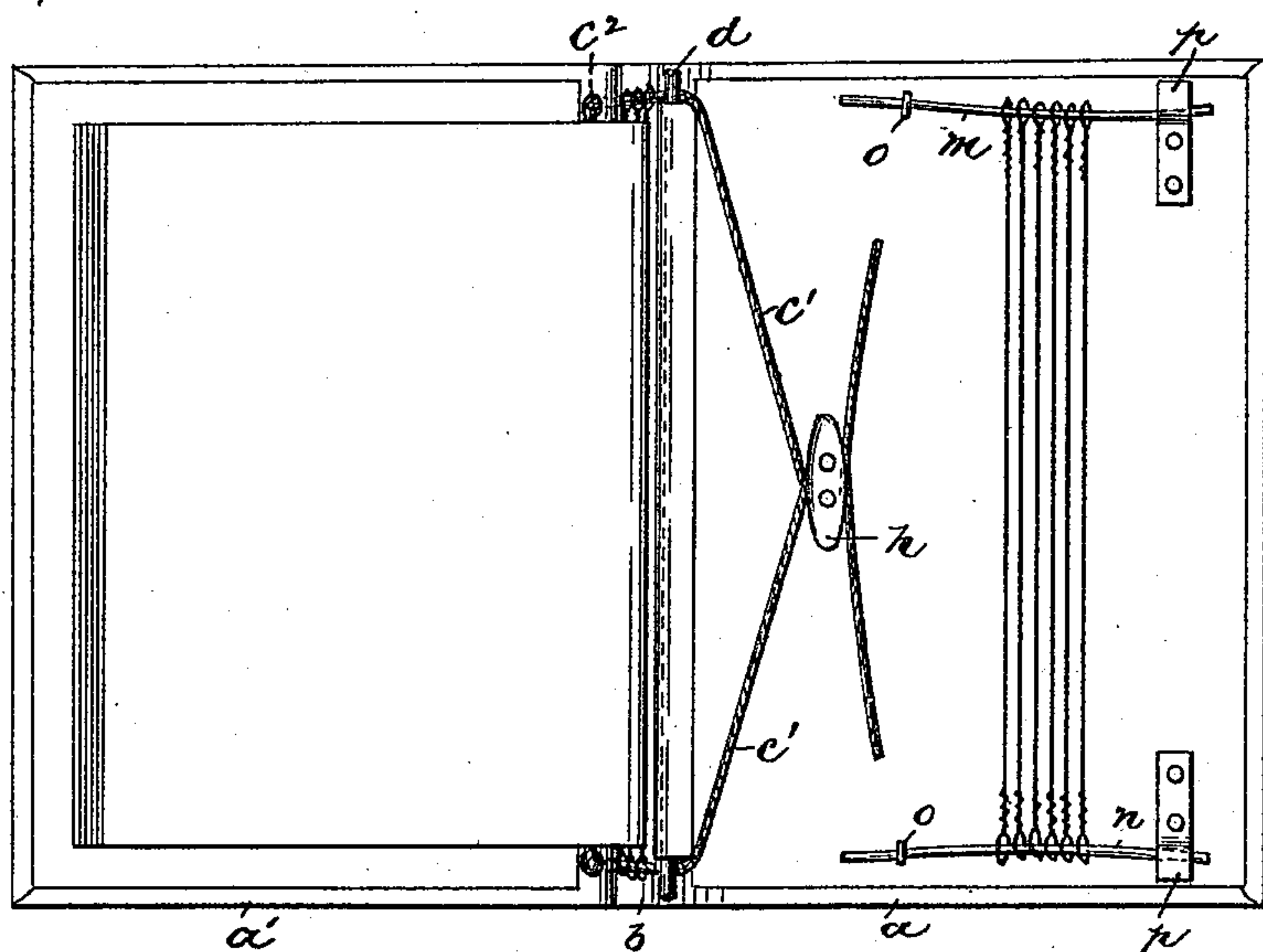


Fig. 5.

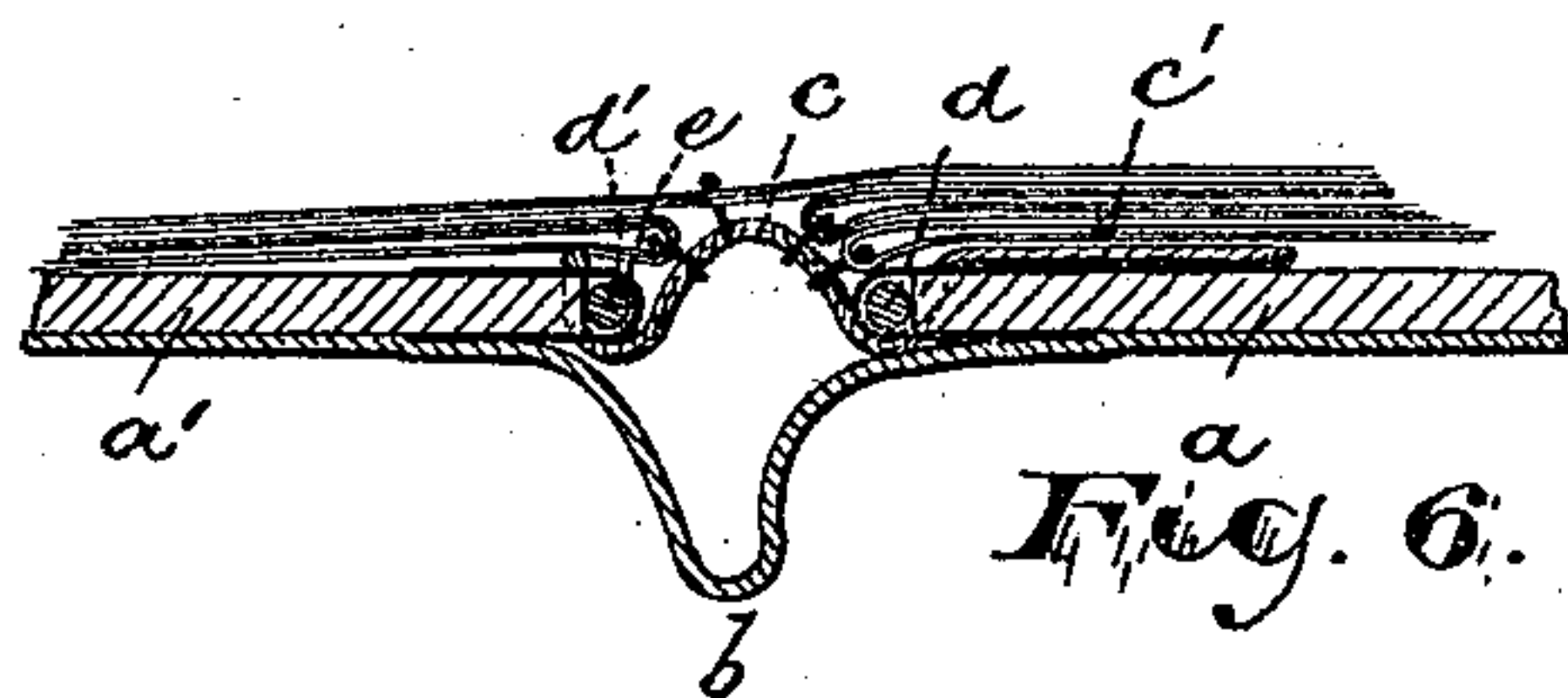


Fig. 6.

Witnesses

Inventor.

Robert Loebinger
James Wayland

Edwin L. Brundage,
By Drake & Co. Attys.

UNITED STATES PATENT OFFICE.

EDWIN L. BRUNDAGE, OF EAST ORANGE, NEW JERSEY.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 516,519, dated March 13, 1894.

Application filed September 23, 1893. Serial No. 486,344. (No model.)

To all whom it may concern:

Be it known that I, EDWIN L. BRUNDAGE, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Temporary Binders; 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 letters of reference marked thereon, which form a part of this specification.

The objects of this invention are, to provide a binder of increased convenience, more particularly in the operations of temporarily binding sheet music, periodicals, &c., and to enable binding strips to be employed without the trouble of removing all of the unused binding strips from the holders thereof, before stringing the needed strips, with the folded sheets thereon, on said holders, to provide a device, containing said binding strips, that will enable the covers to be drawn together when the binder is but partly filled with leaves, to provide a storage device for unused strips that will be separate and away from the strips that are in use, so that they may be more easily secured and strung into operative position, without interfering with those in use, or the leaves thereon; to reduce the cost of the binding strips and render them smaller than what have heretofore been used, so that they will occupy less room in the binder, to enable the leaves to be opened out flat when in use, as they will not lie when the binding strips are strung on rigid holders, or when the leaves are strung directly on flexible cords extending from cover to cover at the backing and to secure other advantages and results some of which will be referred to in connection with the descriptions of the working parts.

The invention consists in the improved binder for music, periodicals, &c., and in the arrangements and combinations of parts, all substantially as will be hereinafter set forth and finally embodied in the clauses of the claim.

Referring to the accompanying drawings in which like letters indicate corresponding parts in each of the views, Figures 1 and 2 are plans of the improved binder, the same being in both cases open, the binder, in Fig. 1, being devoid of inserted pages or leaves and, in the second figure, the leaves being fastened in place. Fig. 3 is a sectional view more clearly showing certain relations of the parts. Figs. 4 and 5 are plans similar to Figs. 1 and 2 showing binding strips removably secured to the cover ready for use when needed. Fig. 6 is a sectional view similar to Fig. 3. The construction shown in Figs. 4, 5 and 6 is preferred ordinarily.

In said drawings, *a, a'*, are stiff covers, consisting of paste board or like material, and *b* is a flexible backing permanently binding said boards or covers together and covering and concealing the inner bound edges of the leaves. This said backing is preferably of one piece with the fabric or material which covers the boards. At or near the inner edge of one of said covers or boards, *a'*, is secured a cord or string, *c*, so that its opposite ends, *c', c'*, lie loose and free to be employed in fastening the leaves. The loose ends are secured to the covers at the upper and lower edges thereof, and, in the preferred construction, at points beyond the edges of the leaves to be inserted, as will be understood upon reference to Fig. 5, so that the said ends will pass from said points directly through rings or eyes projecting out from between said leaves and from thence to holders at or on the opposite cover in line with said points, as will be understood. The cords are preferably secured to the cover by being passed through perforations *c², c²*, Figs. 1 to 4, although they may be secured in any other manner.

The holders consist preferably of the projecting ends, *d*, of a rod held to the inner edge of the cover, opposite that having the cord secured thereto, by a loop, *e*, of textile fabric or other suitable material, the opposite edges of which fabric are pasted or otherwise secured to the boards.

The inner edge of the board or cover, *a'*, may be provided with a protecting rod, *d'*, at

or near the perforations, c^2 , to prevent the cord from tearing out under tension or draft. The loose ends of the cord are caught and held by a cleat, h , such as I have heretofore described in a contemporaneous application.

The binding strips, g , having the eyes, g' , at the opposite ends, which project out from the folded leaves and are strung upon the cords from the perforations, c^2 , to the projecting ends, d , of the holding rods, are preferably of wire, the eyes being formed by looping and twisting the wire on itself, the said eye being held closed when drawn upon, by the extremity being twisted around the straight portion of the wire back or in from the loops as will be understood. Thus very light wire can be employed with advantage both in cheapness and in securing a less bulky binding. The leaves are folded over the wire and are thus held in position in the binder, where said wires are arranged on the cords. By means of the wires, constructed as described, perforation of the leaves to admit the cord is avoided.

In operating or using the device, in the preferred construction, the binding strips are laid between the folded leaves of music, or other prints, the eyes at opposite ends of said strip lying outside the upper and lower edges as indicated, and the loose ends of the cord are inserted through said eyes after which said loose ends are passed over the projecting ends, d , as shown in Figs. 2 and 5, and are caught by the cleat or fastener, h , so that the binding strips and the leaves held thereby are secured in place.

The binding strips, g , are stored convenient for use, preferably, on the inside of one of the covers, as shown in Figs. 4 and 5, where m , n , are rods held at the upper and lower edges of the cover by eyes, o , and spring clips, p . Said clips allow the rods to be unfastened

so that the strips carried thereby may be removed for use.

The storage rods admit of the binding strips being strung thereon in a regular series, and thus the twisted wires at the eyes will not become entangled so as to hinder a quick removal of the strips, nor can said strips become bunched at the cover but are held flat against the face of the cover, or in regular succession, as will be understood.

Having thus described the invention, what I claim as new is—

1. The improved temporary binder herein described, comprising the boards or covers, a , a' , and backing b , flexibly joining the same, a rod having projecting ends fastened to one of said covers, a flexible cord fastened to the other, in line, horizontally, with said projecting ends, a cleat for fastening the loose ends of the cord and holding strips for the folded leaves strung upon said flexible cord, said parts being arranged and combined substantially as and for the purposes set forth.

2. The improved temporary binder herein described, comprising the boards or covers, a , a' , and a backing b , a rod held to the inner edge of one cover by a loop, e , and having projecting cord-holding ends, a cord, a fastening, h , for said cord and a plurality of binding strips adapted to be inserted between the folds of the leaves or sheets of music, &c., and to be held by said cords, said parts being arranged and combined substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of September, 1893.

EDWIN L. BRUNDAGE.

Witnesses:

CHARLES H. PELL,
OLIVER DRAKE.