

B. J. Beck.
Temporary Binder.
N^o 92,251. Patented Jul. 6, 1869.

Fig. 1.

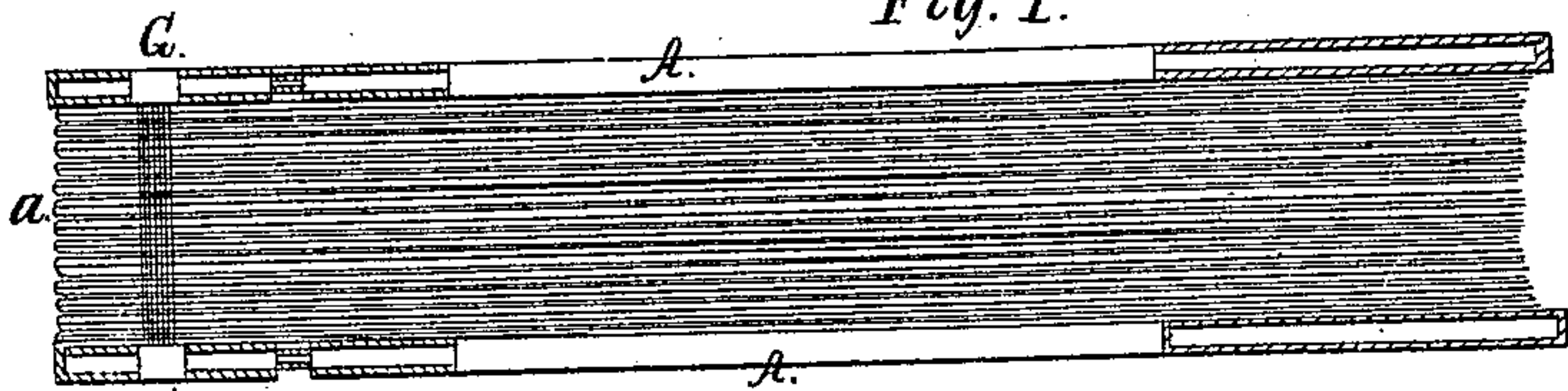


Fig. 2.

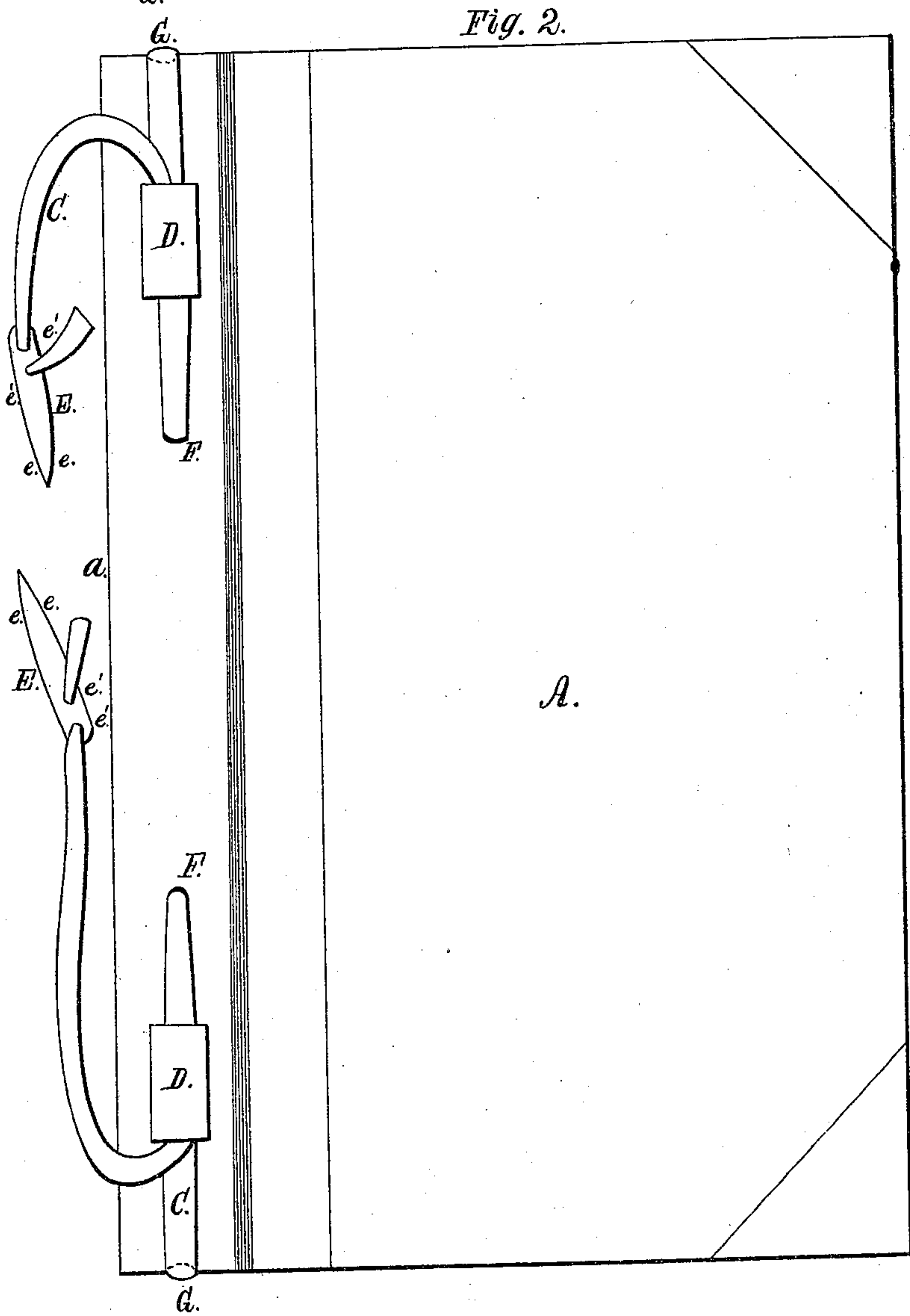


Fig. 3.

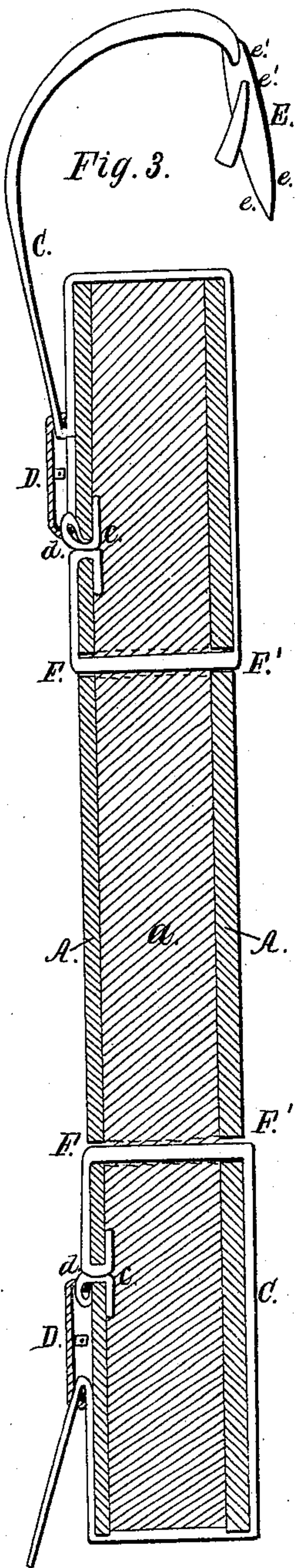
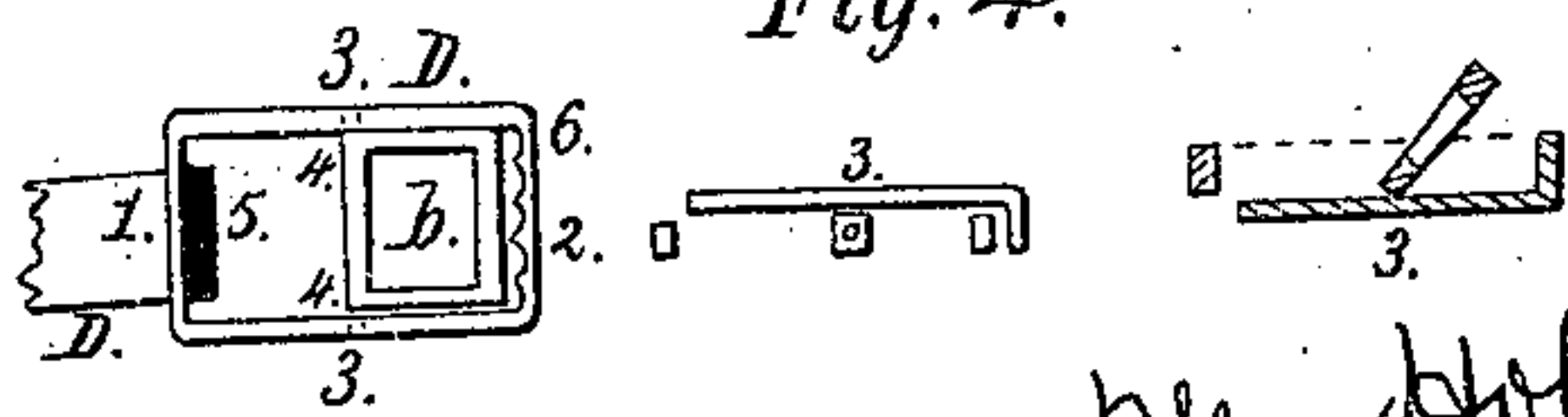


Fig. 4.



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Witnesses.

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BERNARD J. BECK, OF BROOKLYN, NEW YORK.

Letters Patent No. 92,251, dated July 6, 1869.

IMPROVEMENT IN PAPER-FILES OR BINDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, BERNARD J. BECK, of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Music-Binders, with buckle and needle; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is an end view.

Figure 2 is a plan view.

Figure 3 is a sectional view, at the point through which the cords pass through the sheets.

Figure 4 is plan and sectional views of the clamping-buckle.

In the temporary binders for music, letters, &c., heretofore used, it has been difficult to obtain sufficient tension upon the binding-cords or strings to cause the sheets to remain firmly together at the back; hence, in opening and closing the sheets of paper in the file, there has been more or less motion of the sheets on the strings or cords, rendering the holes large, and frequently causing the paper to tear; and it is well known that the strength of the paper alone, at the parts where the strings pass, is relied upon for holding the sheets in place.

The object of my present invention is to hold the sheets together much more firmly than heretofore, so as to relieve the strain upon the paper near the string, by the friction of the surfaces of the sheets of paper, for which purpose I employ a peculiar clamping-buckle and strings or cords.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A A are the covers of pasteboard or other suitable material, and

a is the flexible back.

To one of the covers A, as shown at c, by any suitable means, I attach one end of a cord, C.

At or near the same, I secure a loop, d, to which is permanently fastened a clamping-buckle, D.

To the free end of the cord C, I attach a needle, E.

This needle is composed of a flat metal-plate, and provided with sharp cutting-edges e e at one end, and with a double eye, e' e', at the other.

This needle is much better suited for the purpose intended than the one with the ordinary bodkin-point now in general use.

The sharp edges readily enable one to make the necessary perforations through any given number of sheets, and the double eye affords a secure means of fastening the cord.

Thus I am enabled to use a single cord, and, at the

same time, not subjected to the inconvenience of being compelled to draw a knot through each sheet, as is the case with the needle having a single eye, as you are forced, in order to secure the string, to tie the same.

The clamping-buckle D is formed with sides or flanges, 1, 2, and 3 3, the sides or flanges 3 3 forming bearings for the metal clamp b, that swings upon the journals 4 4, and has an opening through its centre, for the cord or string to pass.

In one end of the buckle D there is an opening, 5, by means of which it is secured to the loop d.

The other end is serrated at 6, fig. 4.

F F' are eyelets in the covers A, through which the cord passes, and

G G are recesses in the ends of the cover, which assist in retaining the cord in proper position.

The operation is as follows:

One end of the cord C, and the loop d, that retains the buckle D, are permanently secured, as shown at c, fig. 3.

The needle E and cord are thence passed through the eyelet F, perforating the sheets, as shown at f, and out through the eyelet F', and around the end of the boards resting in the recesses G G.

The needle and cord are then passed through the opening in the metal clamp b.

The clamp is then forced down, as shown in plan view in fig. 4, and the cord securely retained between its outer face and the serrated end 6 of the buckle D.

By this peculiar construction, the strings can be strained and held at any desired point, with whatever power the parts are capable of sustaining, so that the back edges of the cover will be firmly pressed upon the leaves or sheets, and while simply, by lifting the clamp of the buckle, the cord or string can be immediately released and drawn out, should the same be desired.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent of the United States, is—

The string or cord C, when the same is provided with a needle, E, having a double cutting-edge, e e, and eye, e' e', and is fastened by a clamping-buckle, D, each feature being constructed and secured as shown, and the whole being combined and arranged so as to operate substantially as described, as and for the purpose specified.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

B. J. BECK.

Witnesses:

JOHN F. KOCH,

AUG. BAUMTFELD.