

(No Model.)

2 Sheets—Sheet 1.

E. L. BRUNDAGE.
TEMPORARY BINDER FOR PAPERS, &c.

No. 513,979.

Patented Feb. 6, 1894.

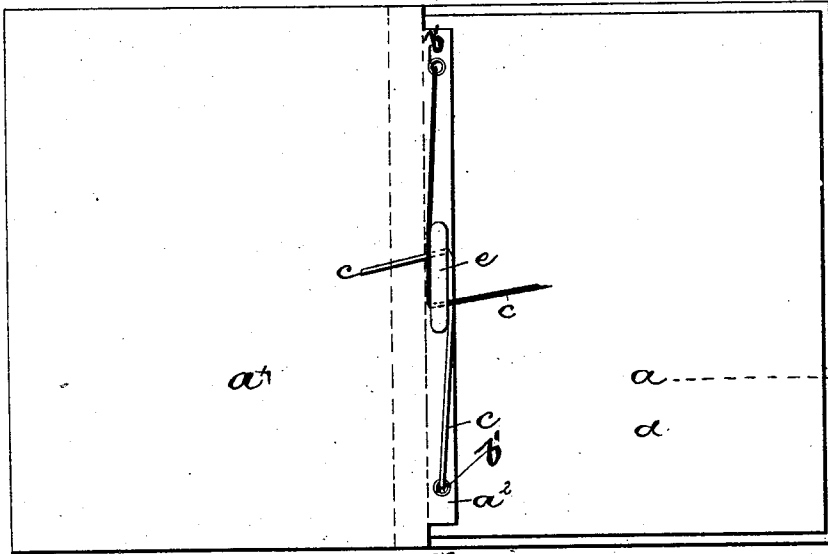


Fig. 1.

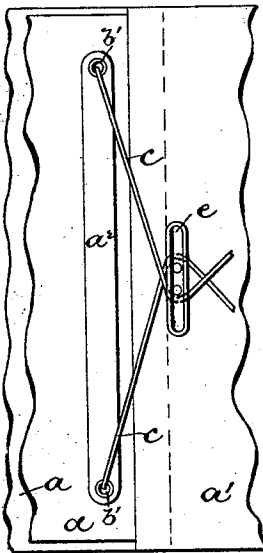


Fig. 2.

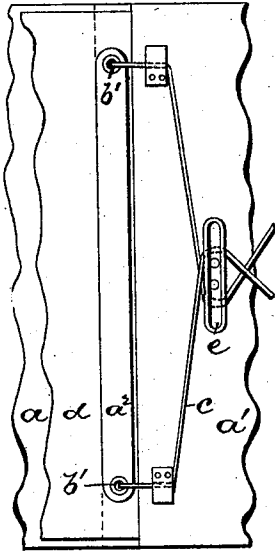


Fig. 3.

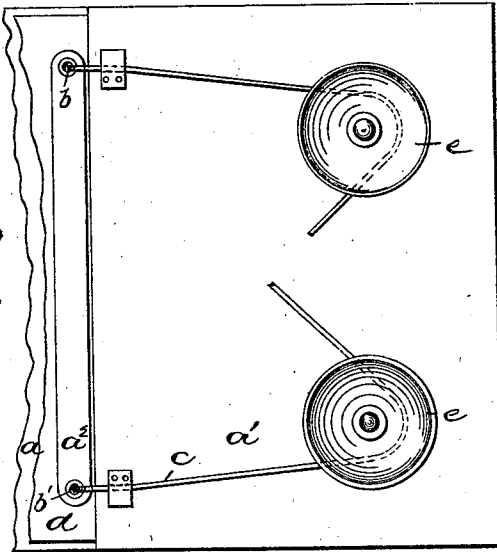


Fig. 4.



Fig. 5.

Witnesses

Inventor

Oscar A. Michel,
Jas. S. Baldwin

Edwin L. Brundage,

By Drake & Co. Attys.

(No Model.)

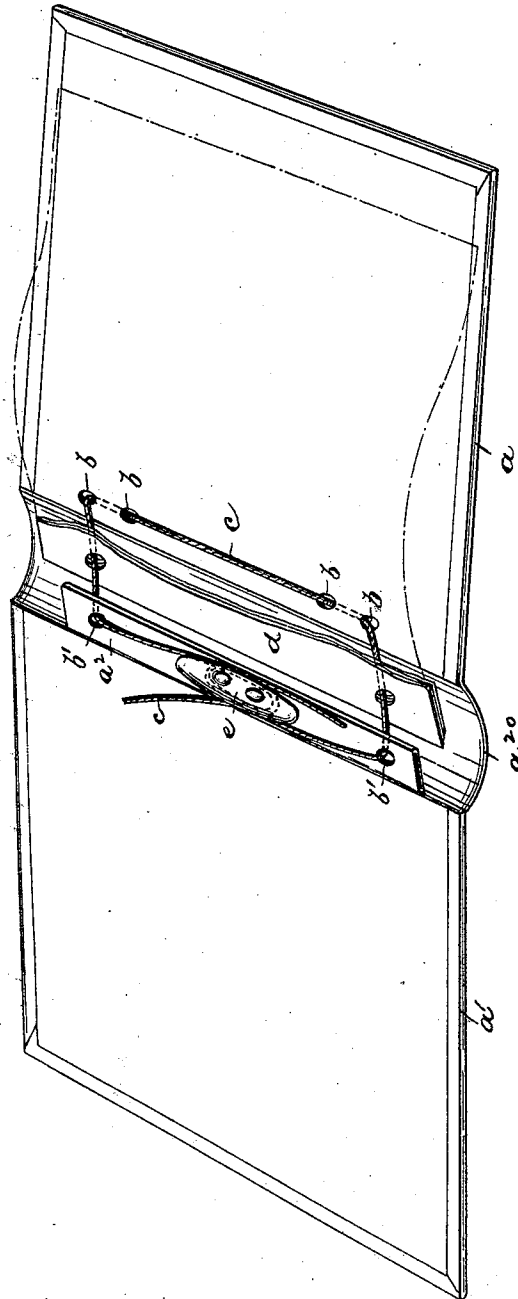
2 Sheets—Sheet 2.

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Fig 6.



Witnesses

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UNITED STATES PATENT OFFICE.

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

TEMPORARY BINDER FOR PAPERS, &c.

SPECIFICATION forming part of Letters Patent No. 513,979, dated February 6, 1894.

Application filed March 30, 1893. Serial No. 468,272. (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 for Papers, &c.; 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.

This invention relates to certain detail improvements in temporary binders for letters and other documents, and other papers, and it has for its objects the reduction in the cost of construction, increased durability, and to secure greater ease and facility in binding the papers.

The invention consists in the improved temporary binder and in the arrangements and combinations of parts, all substantially as will be hereinafter set forth and finally embraced in the clauses of the claim.

Referring to the accompanying drawings in which similar letters indicate corresponding parts in each of the views, Figure 1 is a plan of the binder, showing the covers open. Figs. 2, 3 and 4 are detail plans, showing modifications of construction, and Fig. 5 is a section taken on line *x* of Fig. 1. Fig. 6 is a perspective view of the binder, showing more fully the relations of the several parts and the manner of securing the leaves or papers removably in place.

In said drawings, *a*, *a'*, are the boards or covers of the binder which are joined together by a flexible back *a*²⁰ in any suitable manner to enable the said covers to be closed together and to cover and conceal the inner edges of the papers, *d*, secured within the file. The flexible back, *a*²⁰, is permanently connected with the boards or covers, holding the same together when the cord is detached from its binding relations and thus to an extent holding the papers in place when not clamped or bound. One of said covers is perforated as at *b*, *b*, and *b*, *b*, Fig. 5, toward the upper and lower edges of the binder to receive a binding cord, *c*, the said cord being

arranged in connection with said perforated covers, as shown more clearly in Figs. 5 and 6, where it is shown to extend along the inner edge, or near the same, of the cover *a*, then outward through the inner perforations of the pairs *b*, *b*, and *b*, *b*, then along the outer face of said cover *a*, as at *c'*, *c'*, to the outer perforations of the pairs, and through the same to the interior of the binder, where the said cord, *c*, is adapted to receive the papers, *d*, to be bound, the said papers being perforated near their inner edges at points corresponding with said outer perforations of the cover to allow the cord to take a straight course, through the papers to be filed from said cover perforations and thus prevent the papers from being wrinkled or drawn out of proper position.

On the opposite side of the papers, *d*, between the covers when the same are closed together is arranged a stay and binding strip, *a*², which is also perforated in correspondence with the perforations in the cover as at *b'*. As a stay strip, the said part, *a*², holds the cord in its direct course through the papers at right angles to the cover, *a*, and, as a binder, it serves to hold the papers firmly in place one against the other. The said strip, *a*², possesses considerable stiffness and may be an independent strip of metal or other material as indicated in Figs. 2, 3 and 4, but preferably it is in the form of a stub, as shown in Fig. 1, the said stub being a flexible extension of the cover *a'*.

Upon the cover, *a'*, or more particularly and preferably upon the stay strip or stub, so as to overlies the papers bound together, is a cord-fastening cleat or cleats *e*, consisting of a raised piece of metal, adapted to form <-shaped recesses between it and the cover into which the free ends of the cords may be secured by simply turning them, as shown in the several plans, under tension. Somewhat similar cleats have been provided heretofore, but they have had shoulders at the angle formed beneath them, against which the cord bore. In the present case, the said shoulder is discarded and the two surfaces form sharp angles in which the cord may be held securely by a single half, or quarter, turn and be held, whether the cord be large or of reduced size, with the same security. By securing the fas-

tening cleat upon the strip or stub, the same tension may be maintained upon the cord when the covers are closed together as when the covers are spread open and thus I prefer the arrangement shown in Figs. 1 and 6 over the constructions shown in Figs. 2, 3 and 4 and make the preferred construction the subject of specific claims. Thus the strip, a^2 , is held against the inserted papers and the latter are removably filed, the work of filing being easy and rapid because of the convenience of the means employed, and the covers may be brought closely down against the papers, whether there be but a few papers in the binder or many, making a thick collection.

In filing the papers, I may perforate them and string them upon the cords as before referred to, before fastening the string or cord upon the cleats, or, when the strips, a^2 , are independent pieces, as in Figs. 2, 3, and 4, the papers may be simply folded over the strips, the perforations b', b' , being, in that event, on the outside of the folded papers.

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

1. The improved temporary binder herein described in which is combined the boards or covers a, a' , flexibly joined, by the permanent back, a^{20} , inseparable from said covers, a cord, c , having free ends, and a central attachment to said covers, a stay strip, or stub, a^2 , permanently attached to the covers, and against which the papers are bound by said cord, and fastenings for holding the free ends of the cord, substantially as set forth.

2. The improved temporary binder, combining therein flexibly and permanently jointed boards or covers a, a' , a cord c secured

to one of said covers, a stay strip arranged between said covers and perforated at opposite ends to receive the free ends of the cord, and fasteners e , substantially as set forth.

3. In combination, the boards or covers permanently and flexibly joined together, the stay strip arranged between said covers, the cord for binding the papers to said stay strip and a cleat forming $\angle$ -shaped recesses to receive and hold the ends of the cord substantially as set forth.

4. In combination the boards or covers, a stay strip arranged between the covers and connected with one of said covers and forming a stub, a cord for fastening the papers to said stub and a cleat for holding the ends of said cord substantially as set forth.

5. In a temporary binder, the combination with the covers or boards a, a' , and a stub a^2 , permanently and flexibly joined together at the back, a^{20} , said back covering and concealing the inner edges of the papers, one of said covers and the stub being correspondingly perforated, of a cord arranged in said perforations and a cleat for fastening the free ends of the cord, substantially as set forth.

6. The combination with the covers, backing, stay strip and cord, of a cleat forming, with its support, a sharp or unshouldered angle to receive and fasten the cord substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of March, 1893.

EDWIN L. BRUNDAGE.

Witnesses:

CHARLES H. PELL,
OSCAR A. MICHEL.