

No. 746,354.

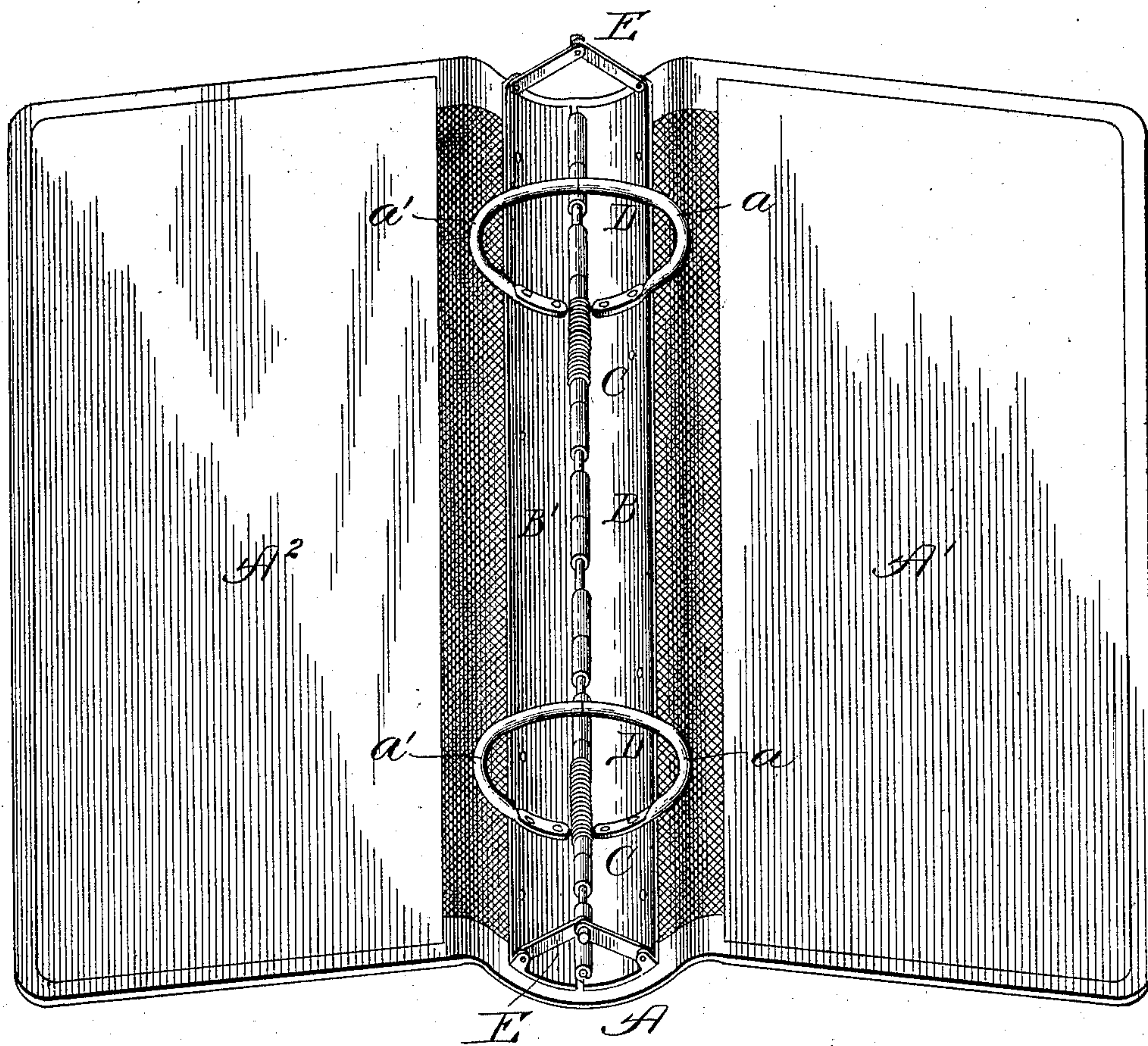
PATENTED DEC. 8, 1903.

J. A. MUDD.  
TEMPORARY BINDER.

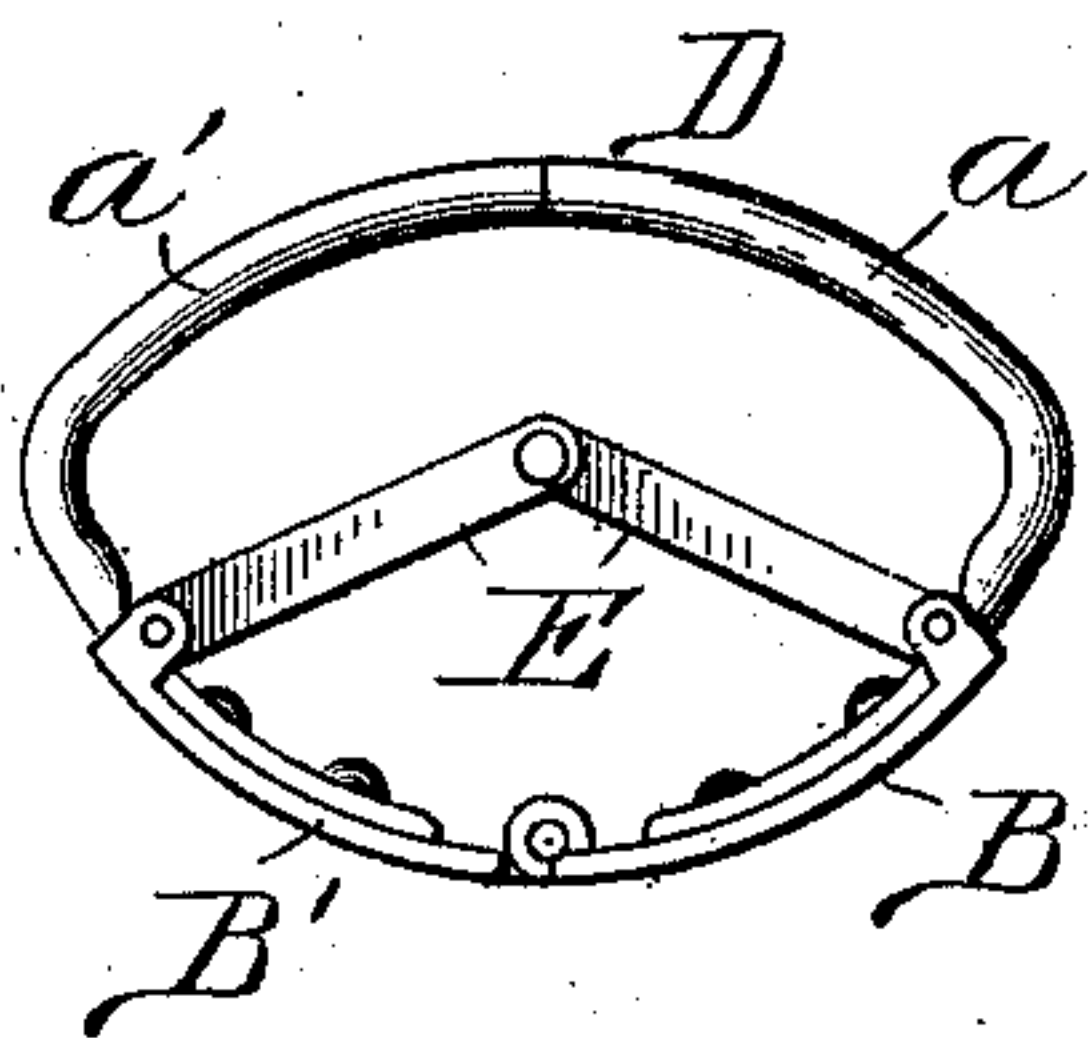
APPLICATION FILED JULY 6, 1903.

NO MODEL.

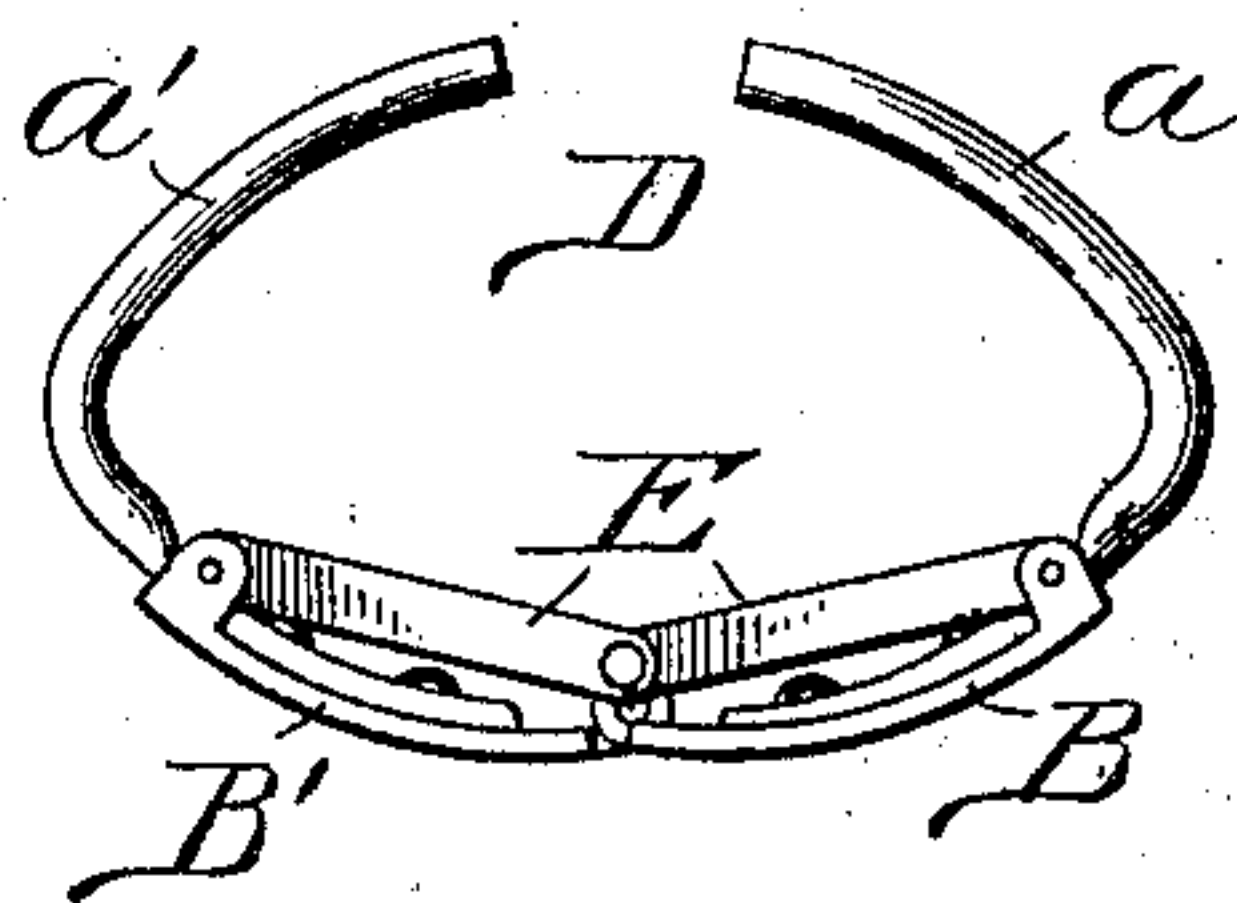
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

*Edw. L. Gaylord.*  
*John Enders.*

Inventor:

*Joseph A. Mudd,*  
*By Dymond, Dymond & See,*  
*Att'ys.*



## UNITED STATES PATENT OFFICE.

JOSEPH A. MUDD, OF CHICAGO, ILLINOIS.

## TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 746,354, dated December 8, 1903.

Application filed July 6, 1903. Serial No. 164,339. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH A. MUDD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Temporary Binders, of which the following is a specification.

My invention relates to an improvement in the class of temporary binders in which the back having covers flexibly connected with it is formed with a pair of parallel metal strips connected by a spring-hinge and carrying binder-pins or "hooks" arched across the metal strips.

The primary object of my improvement is to provide the back of the binder of rounded form in cross-section and prevent it from being creased longitudinally by opening it to insert into and remove from the binder perforated sheets on the hooks and to provide conveniently-operative means for locking the back in its opened condition against the tendency of the spring of the hinge to close it.

Referring to the accompanying drawings, Figure 1 is a perspective view of a temporary binder of my improved construction; Fig. 2, a view in end elevation of the back in its closed condition, and Fig. 3 a similar view of the same in its opened condition.

A is the back, having flexibly connected with it the covers A' and A<sup>2</sup>. Along the inner side of the back are fastened parallel metal strips B and B', each rounded in cross-section into concavo-convex form and both connected together along adjacent edges by a spring-hinge C of the usual construction in binders of the kind to which my improvement relates. The curved hinged plates thus render the back A of the rounded form represented in Fig. 1 in desirable resemblance of the back of a book.

D D are hooks at opposite sides of the transverse center of the back, each formed of two similar curved arms or sections *a* and *a'*, rigidly fastened, respectively, to the strips B and B' to meet at their extremities and form an arch over the strips when the hooks are in their normally closed condition, in which they are separably held by the spring action of the

hinge. At each end of the metal strips they are connected by a toggle-lever E.

To open the back A for introducing perforated sheets to be bound by adjusting them at their perforations on the hooks or for withdrawing such sheets, the operator presses the toggle-levers with his thumbs to straighten them into the condition of the toggle presented in Fig. 3, whereby they exert their leverage against the strips to turn them outward on their hinge connection against the resistance of the hinge-springs, with the effect of spacing apart the sections of each hook D to permit the introduction or withdrawal between them of a sheet or sheets, and the straightened toggles lock the back in its opened condition, from which it is released by bending the toggles to their condition illustrated in Fig. 1 to permit the recoil action of the spring-hinges to close the back and bring the arms of the respective hooks into engagement with each other to form continuous arches across the back for facility in turning the bound sheets and to insure their lying in an orderly manner against one or both of the covers.

The curvature of the strips prevents the flexible covering of the back A from creasing in opening the latter and always maintains the back in its desirable rounded shape.

The arrangement of the filing-hooks may without departure from my invention be different from that shown and described. Hence I do not limit my invention to the particular filing-hooks set forth nor to any particular relative disposition of filing-hooks.

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

1. In a temporary binder, the combination of the curved metal back strips having a spring-hinge connection and forming the rounded back of the binder, filing-hooks on said strips, and toggle-levers connecting the strips near their opposite ends and affording means by which to turn them on their hinge and lock them against its spring force.

2. In a temporary binder, the combination of the curved metal back strips having a spring-hinge connection and forming the

rounded back of the binder, fling-hooks on  
said strips at opposite sides of the transverse  
center of the back, each comprising a pair of  
curved arms with the members of each pair  
5 extending from the outer edges of the respec-  
tive strips to meet and form an arch over  
them, and toggle-levers connecting the strips  
near their opposite ends and affording means

by which to separate the hook-sections by  
turning the strips on their hinge and locking 10  
them against its spring force.

JOSEPH A. MUDD.

In presence of—

WALTER N. WINBERG,  
WM. B. DAVIES.