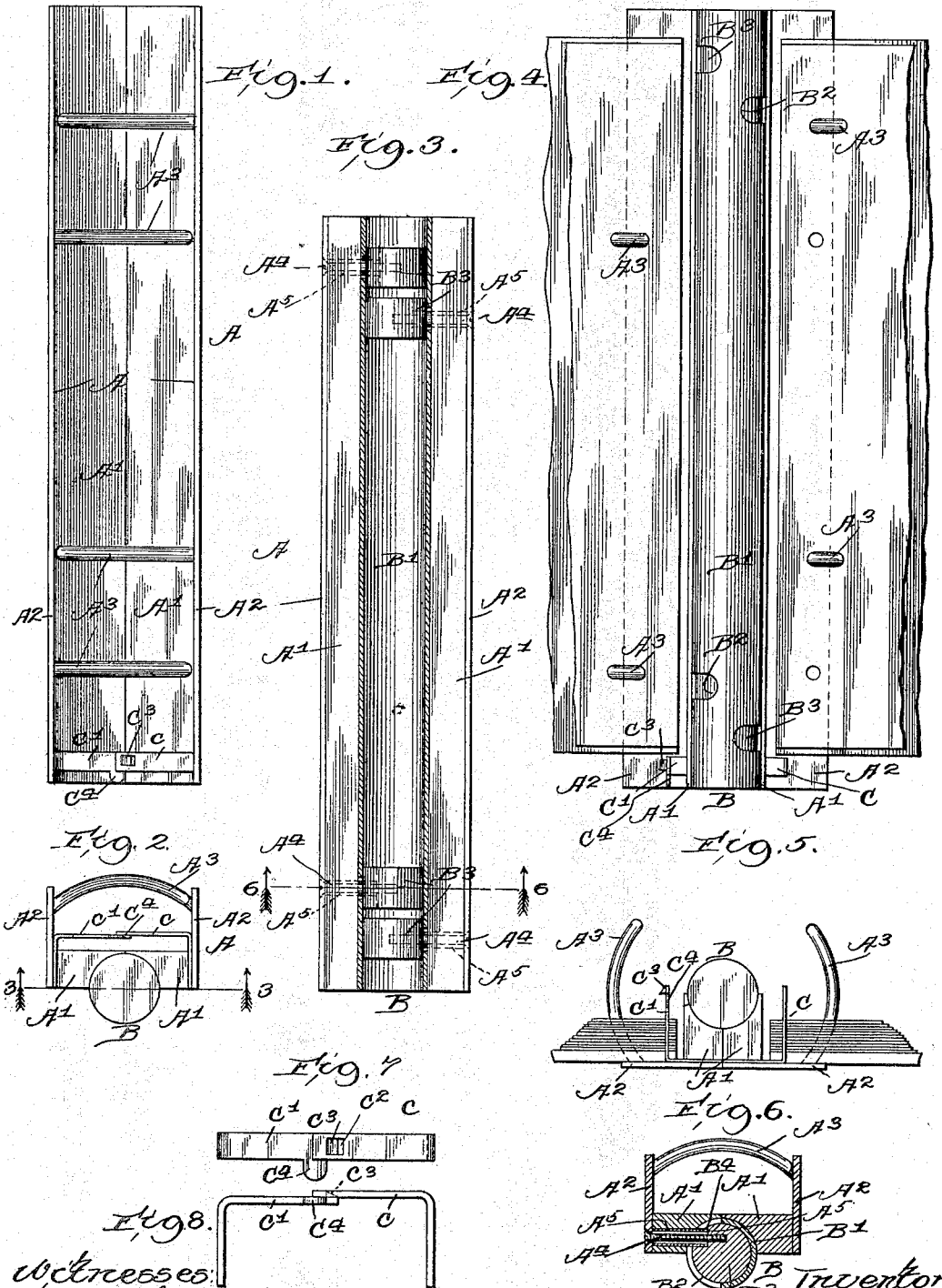


J. BYSTROM.  
 TEMPORARY BINDER.  
 (Application filed Feb. 26, 1900.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JOHN BYSTROM, OF CHICAGO, ILLINOIS.

## TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 647,646, dated April 17, 1900.

Application filed February 26, 1900, Serial No. 6,513. (No model.)

*To all whom it may concern:*

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

The object of this invention is the production of an improved means for holding together in book form detached leaves, as those of a perpetual ledger, which leaves may be withdrawn or new ones inserted at will. As in other binders of a similar kind, the leaves which go to make up the body of the book are perforated at suitable intervals near their inner edges to receive the holding-pins of the binder.

In the accompanying drawings, Figure 1 is a face view of the binder-frame. Fig. 2 is an end elevation of the same. Fig. 3 is a longitudinal section on dotted line 3 3 of Fig. 2. Fig. 4 is a face view showing the binder-frame provided with book-covers and having leaves inserted. Fig. 5 is end view of the same as shown in the preceding figure. Fig. 6 is a transverse section through the binder-frame on dotted line 6 6 of Fig. 3, and Figs. 7 and 8 are detail views of the means for locking the hinged members of the binder-frame together.

Like letters of reference indicate corresponding parts throughout the several views.

In the production of this binder I provide the two hinged members A, substantially alike in form, each having the back portion A' and the side portion A<sup>2</sup>. Curved holding-pins A<sup>3</sup>, concentric with the pivotal bearing between the two hinged members A, are rigidly secured to the sides A<sup>2</sup> of the members A, extending inwardly from said sides and of a length sufficient nearly to touch the side A<sup>2</sup> of the opposite member A. These pins are for receiving the leaves of the binder.

A<sup>4</sup> are screws for securing the side portions A<sup>2</sup> to the back portions A'. Where these screws extend through the back portions A' they are surrounded by sleeves A<sup>5</sup>. The screws A<sup>4</sup> connect the back portions A' of the members A to members of the hinge-joint between said members A.

B is the hinge between the two members A. It is composed of the tubular casing B', having elongated openings B<sup>2</sup> in its walls. Within the casing and fitting quite closely to its inner diameter are provided the four independent plugs B<sup>3</sup>, each having an angular notch B<sup>4</sup> near its periphery for the reception of the end of one of the sleeves A<sup>5</sup>, said plugs also being threaded to receive the screws A<sup>4</sup>. Each member A has two plugs B<sup>3</sup> in the casing B', which plugs lie opposite the elongated openings B<sup>2</sup> in the walls of the tubular casing B' in order that the screws A<sup>4</sup> and the sleeves A<sup>5</sup> may extend through said elongated openings.

In order to lock the hinged members A in a closed position, I have provided the two spring-latches C and C', lying between the two sides A<sup>2</sup> and extending inward, being raised a little above the back portions A' of each member. At their meeting ends the latch C is provided with an opening C<sup>2</sup> and the latch C' with a tongue C<sup>3</sup> for engaging the opening C<sup>2</sup> and locking the parts firmly together. The projection C<sup>4</sup> on the latch C' is to receive the thumb of the operator to disengage said tongue C<sup>3</sup> from the opening C<sup>2</sup> to separate the hinged members A.

In practice the frame shown in Figs. 1 and 2 is covered with leather or other suitable material agreeably with the rules of the book-binder's art, and leaves suitably perforated at their inner edges are placed upon the curved holding-pins A<sup>3</sup>. The members A are locked together by the spring-latches C and C' while the book is in use, excepting when it is desirable to remove leaves from or insert additional ones into the binder. The projection C<sup>4</sup> is then depressed, withdrawing the tongue C<sup>3</sup> from the opening C<sup>2</sup>, and the members A open upon the hinge-joint B. The parts are now in the positions indicated by Figs. 4 and 5 and leaves may be withdrawn from or inserted into the book at will. When the body of the book has been arranged satisfactorily, the members A are shut together upon the hinge-joint B and locked in a closed position by the spring-latches C.

I claim as my invention—

1. In a binder, in combination, two folding

members, each having a back and a side portion; a leaf-holding means; a tubular hinge-casing having independent plugs therein; and means for rigidly connecting the said folding members with said independent plugs.

2. In a binder, in combination, two folding members, each having a back and a side portion; a leaf-holding means; a tubular hinge-casing having transversely-elongated openings in its walls; independent plugs in said casing; means for rigidly connecting the said folding members with said independent plugs; and a locking-latch for holding said hinged members in a closed position.

3. In a binder, in combination, two folding members, each having a back and a side portion; curved pins extending inward from said side portions, for holding the leaves; a tubular hinge-casing having transversely-elongated openings in its walls; independent plugs in said casing; means for rigidly connecting said folding members with said independent plugs; and a spring locking-latch extending inward from each of said side portions, which latches

are adapted to engage and hold the hinged members in a closed position.

4. In a binder, in combination, two folding members, each having a back and a side portion; curved pins extending inward from said side portions, for holding the leaves; a tubular hinge-casing having transversely-elongated openings in its walls; independent plugs in said casing, which plugs are each provided with a notch and a threaded opening; screws extending through the folding members, adapted to engage the threaded openings in said plugs; a sleeve surrounding each of said screws; a locking-latch extending inward from each of said hinged members, one of which locking-latches is provided with an opening and the other with a tongue, which tongue is adapted to engage said opening, to hold the hinged members in a closed position.

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Witnesses:

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