

(No Model.)

2 Sheets—Sheet 1.

J. R. BARRETT.
BINDER.

No. 551,808.

Patented Dec. 24, 1895.

Fig. 1.

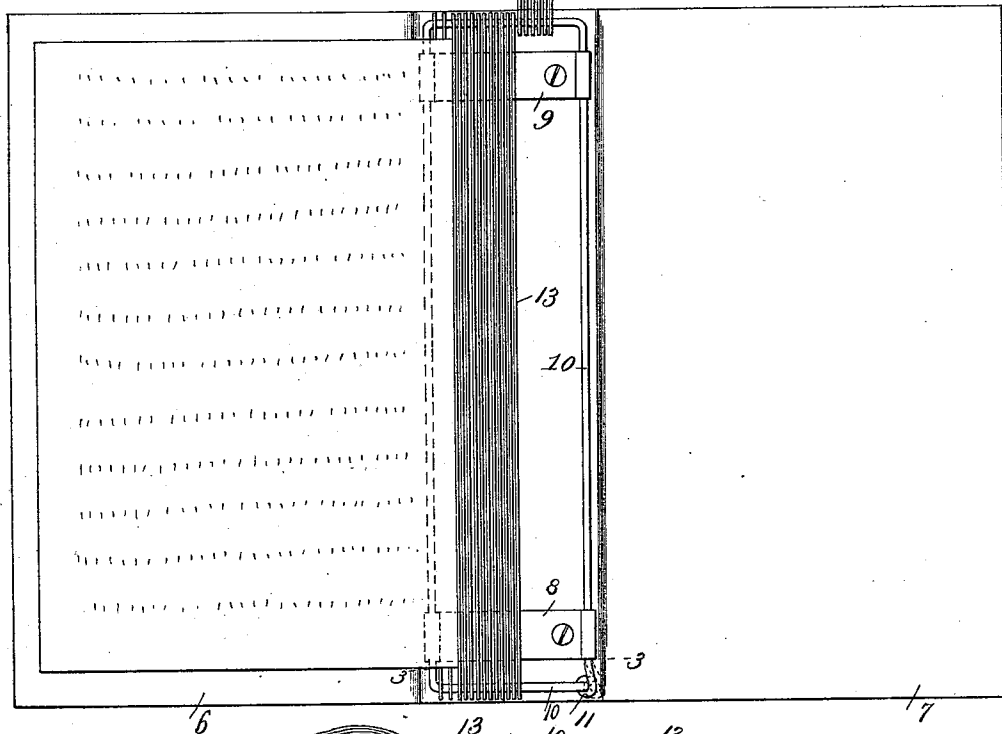


Fig. 2.

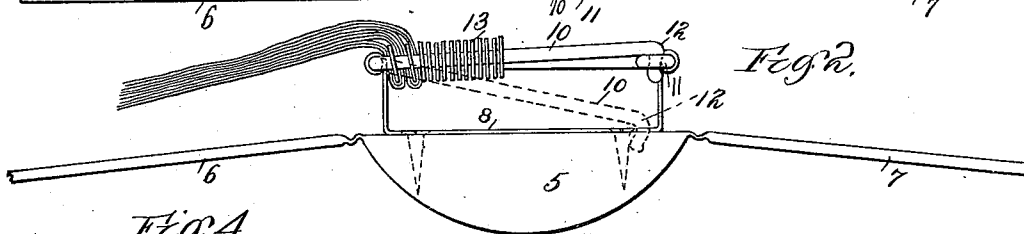


Fig. 4.

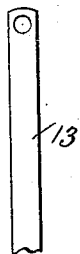
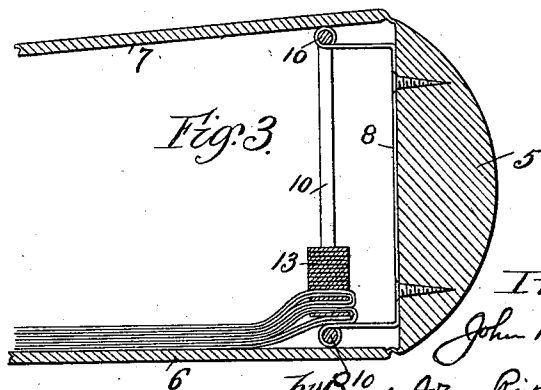


Fig. 3.



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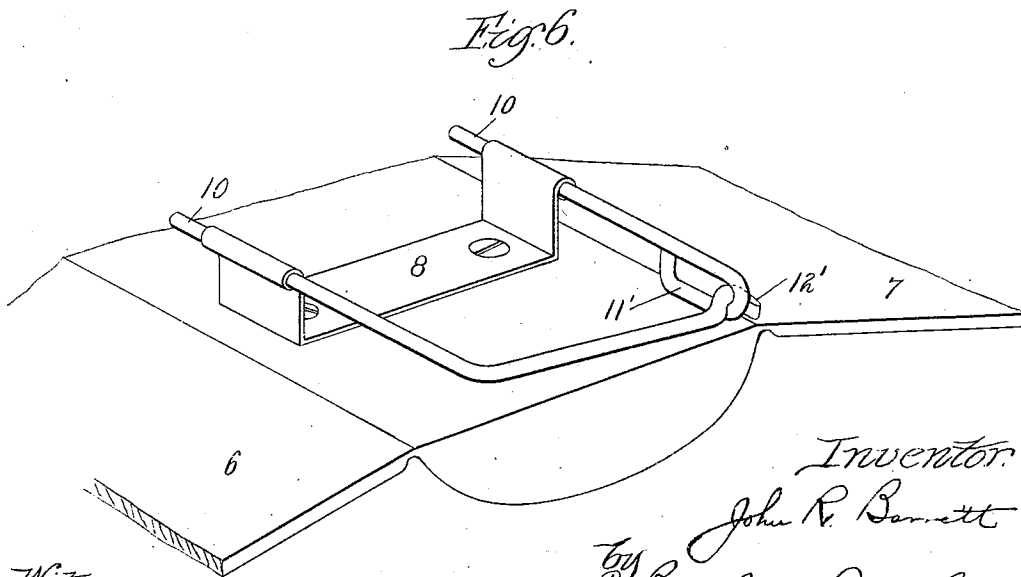
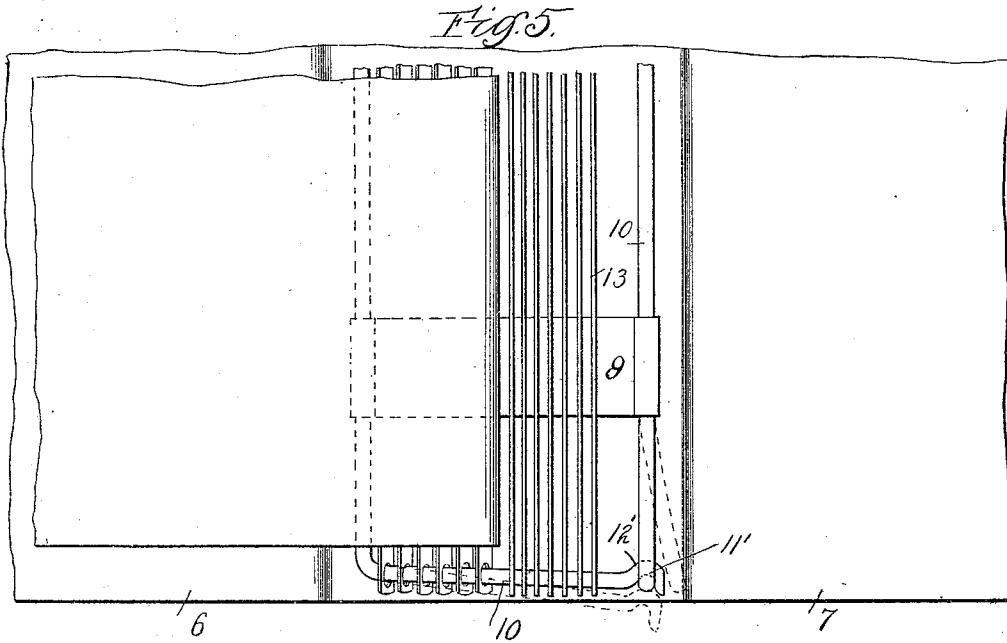
(No Model.)

2 Sheets—Sheet 2.

J. R. BARRETT.
BINDER.

No. 551,808.

Patented Dec. 24, 1895.



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UNITED STATES PATENT OFFICE.

JOHN R. BARRETT, OF CHICAGO, ILLINOIS.

BINDER.

SPECIFICATION forming part of Letters Patent No. 551,808, dated December 24, 1895.

Application filed October 20, 1894. Serial No. 526,526. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. BARRETT, 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 Binders, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of the open binder. Fig. 2 is an end view of the same. Fig. 3 is a cross-section of the binder on line 3 3 of Fig. 1, the covers being closed. Fig. 4 is a plan view of one end of one of the slats used to secure a periodical or other folded article in the binder. Fig. 5 is a plan view showing a modification. Fig. 6 is a perspective view of the same.

My invention relates to temporary binders for use in binding newspapers, periodicals, or other folded articles, and has particularly to do with that class of temporary binders in which the articles are secured in the binder by means of slats placed in the folds of the papers and secured at their ends to the binder.

The object of the invention is to provide an improved binder which will be novel, cheap, and substantial in construction and simple and effective in operation. I accomplish this object as hereinafter specified and illustrated in the drawings.

That which I regard as new will be set forth in the claims.

In the drawings, 5 indicates the back of the binder, to which are secured covers 6 7.

8 9 indicate channel-plates, which are secured to the back 5 by screws or in any other suitable manner. The ends of the channel-plates 8 9 are rounded, forming bearings in which is secured a wire frame 10. The frame 10 is substantially rectangular in shape, as shown in Fig. 1, and is firmly secured in the bearings formed by the channel-plates 8 9, as shown, it being held at the proper distance from the inner face of the back 5 by this means. One end of the frame 10 is doubled back upon itself, forming a loop 11, into which fits a hook 12 formed in the opposite end of said frame, whereby the ends of the frame may be secured together. The end of the wire frame 10 having the hook 12 is twisted slightly, so that when disengaged from the loop 11 it will lie in the position shown in

dotted lines in Fig. 2. When, however, the hook 12 is secured in the loop 11 the torsional strain of the wire will serve to firmly hold the loop in position. The end of the hook 12 is bent inward, as shown in Fig. 2, so that when it is in the loop 11 it is prevented from becoming accidentally displaced. Furthermore, the end of the frame carrying said loop is bent slightly back, as indicated by dotted lines in Fig. 1, so that it has to be drawn toward the hook to permit of its engagement therewith. Consequently this further prevents accidental disengagement.

13 indicates a number of slats having their ends perforated, which slats are fitted upon the ends of the wire frame 10, as shown in Fig. 1, and serve to hold the periodicals or other articles in position in the binder, as shown in Fig. 2. The side portions of the frame 10 serve to support the leaves at the side, thus causing them to fold properly.

In order to place an article in the binder the hook 12 is lifted out of engagement with the loop 11, and one end of one of the slats 13 is slipped off over the hook 12. The released slat is then inserted between the leaves of the periodical, and the slat is again slipped upon the wire and the hook 12 secured in the loop 11. It will be seen therefore that the manipulation of the binder is extremely simple.

It will be understood that in placing articles in the binder it is customary to use first the slat farthest from the hook 12, so that in placing the first article in the binder it will be necessary to release one end of each of the slats 13, the innermost of the unused slats being used for each succeeding article.

Owing to the fact that only one end of each of the slats is detached it is impossible for them to become displaced, and as in securing an article in the binder it is necessary to secure only one end of the slats, which may readily be done with one hand, the other hand is left free to properly adjust the article which is being inserted in the binder.

In Figs. 1 and 2 I have shown the movable end of the frame as being movable in a plane perpendicular to the back of the binder; but it may be made movable in a plane parallel with the back of the binder, as shown in Figs. 5 and 6, in which case the movable end of the frame is provided with a hook 12', which is

bent so as to lie in a plane parallel with the frame, which hook is adapted to be retained in the loop 11', as shown in Fig. 6. The end of the frame 10 carrying the loop 11' is bent
5 outward slightly in order to give it the necessary spring to make it retain the hook properly. The hook end of the frame 10 is also sprung out slightly for the same purpose, as indicated by dotted lines in Fig. 5.

10 That which I claim as my invention, and desire to secure by Letters Patent, is—

1. In a binder, the combination with a back, and supporting devices secured thereto, of a continuous wire frame 10 supported by said
15 supporting devices, slats carried by said wire frame, a loop 11 in one end of said wire frame, and a hook 12 in the opposite end of said wire frame, said hook being adapted to fit into said loop, substantially as described.

20 2. In a binder, the combination with a back, and supporting devices, of a wire frame 10 carried by said supporting devices, a loop in one end of said wire frame, and a hook in the opposite end of said wire frame, said hook
25 being adapted to fit in said loop to secure the

ends of said frame together, the hook end of said frame being sprung slightly, substantially as and for the purposes specified.

3. In a binder, the combination with a back, and supporting devices, of a wire frame 10
30 carried by said supporting devices, a loop in one end of said wire frame, and a hook in the opposite end of said wire frame, said hook being adapted to fit in said loop to secure the ends of the frame together, the loop end of
35 said frame being sprung slightly, substantially as and for the purposes specified.

4. In a binder, the combination with a back, and supporting devices, of a wire frame 10
40 carried by said supporting devices, a loop in one end of said wire frame, and a hook in the opposite end of said frame, said hook being adapted to fit in said loop to secure the ends of the frame together, the point of said hook
45 being bent inward slightly, substantially as and for the purposes specified.

JOHN R. BARRETT.

Witnesses:

JOHN L. JACKSON,
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