

D. R. REYNOLDS.
Metallic Binder for Books.

No. 211,050.

Patented Dec. 17, 1878.

Fig. 1.



Fig. 2.

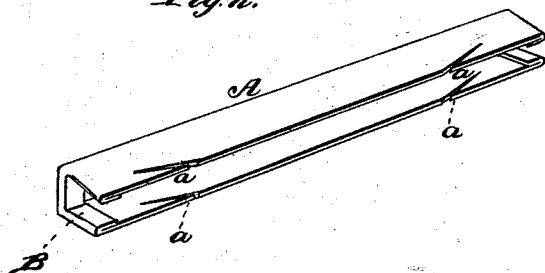
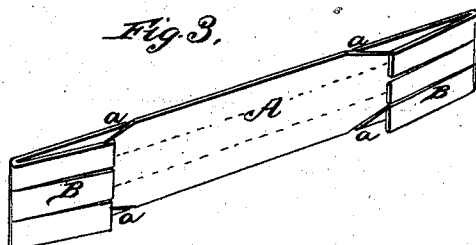


Fig. 3.



WITNESSES

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IMPROVEMENT IN METALLIC BINDERS FOR BOOKS.

Specification forming part of Letters Patent No. **211,050**, dated December 17, 1878; application filed October 5, 1878.

To all whom it may concern:

Be it known that I, DAVID R. REYNOLDS, of Bellefontaine, in the county of Logan and State of Ohio, have invented a new and valuable Improvement in Binders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of an edge of my binder. Fig. 2 is a perspective view of the metal binder, and Fig. 3 is also a perspective view of the same before being bent into shape.

This invention relates to an improvement in binders for books, &c.; and it consists of a sheet of metal having diagonal slits in its opposite edges, near each end, and two short longitudinal incisions at each end dividing said ends into three sections, said end sections being first turned in upon said sheet of metal, which is afterward bent through its length to form three sides of a rectangle adapted to receive the edges of the leaves intended to form the book or tablet, &c., and to securely and firmly hold them after having been pressed upon them in any suitable manner to bind them, the object being to dispense with the use of glue, paste, and the like in binding said articles, as will be fully hereinafter described, and particularly pointed out in the claim.

In carrying out my invention, I take a piece of sheet metal, A, of suitable strength and size, and cut diagonal slits in its opposite edges, near each end, to form inwardly-projecting teeth *a a*. I also cut longitudinal in-

cisions in each end to form the sections B B, which I afterward turn over inwardly upon the sheet of metal A to form a finish for the ends of the back or binder, and to also cause the inwardly-bent ends to prevent or assist in preventing lateral movement of the leaves within the binder when the sheet of metal has been bent into form and applied to said leaves. I then bend the sheet of metal through its length to form two sides and a back for the binder, as shown in Fig. 2. I then insert the leaves C, and by any suitable means press the sides of the binder down, causing them to grasp and bind the leaves securely and firmly together, as shown in Fig. 1. At the same time, or subsequently, I press the teeth *a a* into the leaves C to prevent lateral motion of the latter within the binder. By this construction I produce a cheap, durable, and efficient binder for books, &c., which may be used without the application of glue, paste, or the like, and the advantages of which are obvious.

Having thus described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

The sheet-metal binding-plate having the inwardly-projecting teeth *a a* and the ends B B, bent inward, formed with three longitudinal portions, two of which embrace the leaves, to which they are secured by pressure, as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID R. REYNOLDS.

Witnesses:

LUCIEN B. BARKER,

F. C. McCONNELL.