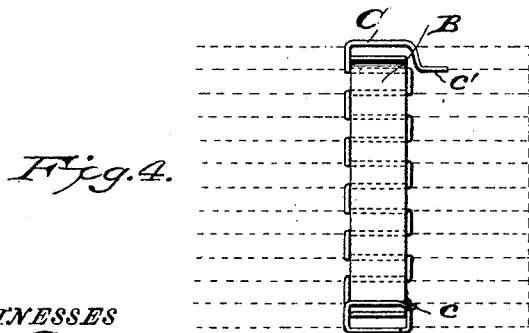
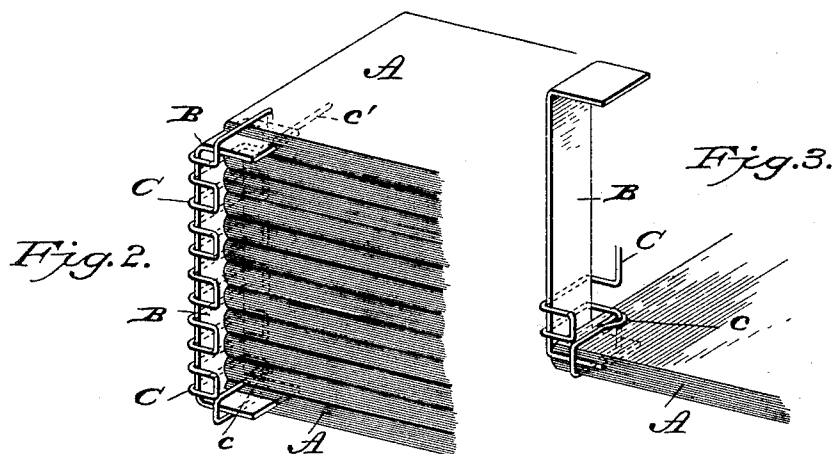
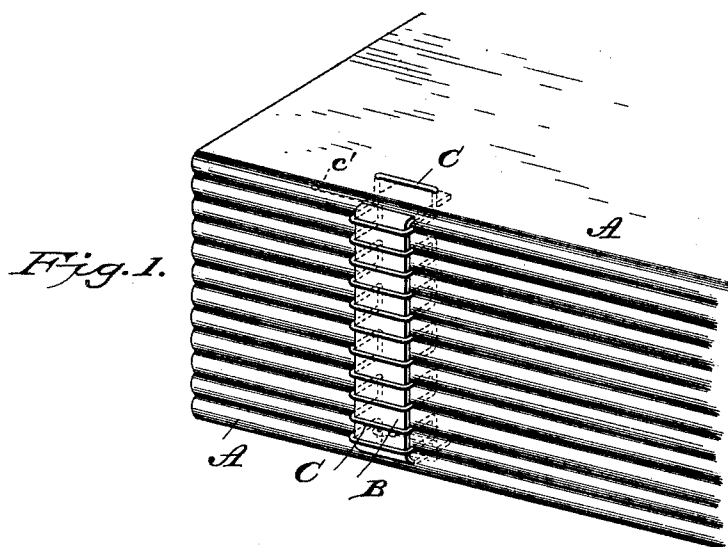


(No Model.)

T. C. KENWORTHY.  
BOOKBINDING.

No. 586,604.

Patented July 20, 1897.



WITNESSES  
*L. S. Elliott.*  
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Attorney

# UNITED STATES PATENT OFFICE.

TRUMAN C. KENWORTHY, OF OSKALOOSA, IOWA.

## BOOKBINDING.

SPECIFICATION forming part of Letters Patent No. 586,604, dated July 20, 1897.

Application filed October 22, 1896. Serial No. 609,653. (No model.)

*To all whom it may concern:*

Be it known that I, TRUMAN C. KENWORTHY, a citizen of the United States of America, residing at Oskaloosa, in the county of Mahaska and State of Iowa, have invented certain new and useful Improvements in Bookbinding; 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.

The object of my invention is to provide a simple, cheap, and effective means for binding paper-covered books or pamphlets so that they will be held together by a comparatively stiff back; and it consists in the particular construction and arrangement of the parts, as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing my invention applied. Fig. 2 is a perspective sectional view showing the manner of bending the wire. Fig. 3 is a detail view illustrating the manner of securing one end of the wire. Fig. 4 is a front elevation of the device with the pamphlets indicated in dotted lines.

A A designate the books, pamphlets, or magazines, which are bound in the usual manner.

B designates the metal back-band, two being used in connection with books or pamphlets of the ordinary size, and these back-bands are made up of flat strips of metal having their ends bent at substantially right angles, the length of said strips corresponding with the combined thickness of the pamphlets or books it is desired to bind together. In connection with these back-bands I use wires C, preferably copper, in order that they may be readily bent.

In binding a set of books or pamphlets the connections are duplicated near each end, and therefore a description of the application of one will answer as well for the other. One of the bent ends of the band B is passed over or through the back of one of the pamphlets and, if through, so as to lie between the leaves

thereof, and an end of the wire C is passed down through said pamphlet adjoining one edge of the band, is then bent and again passed through the pamphlet adjoining the opposite edge of said band, and the terminal formed into an eye or loop c, through which the other part of the wire is threaded, as shown in Fig. 3. The other pamphlets are then secured in place one after the other by passing the wire around the band up through the next pamphlet, back around the band up through the next, and so on, the end c' being brought back through the last pamphlet to lie between that and the adjoining one.

It will be understood that the bent ends of the bands B could be placed or located on the outer sides of the books instead of inside.

By employing the metal band B and threading the wire C through the pamphlets and passing it around the band, as hereinbefore described, the several pamphlets will be held firmly together and may be handled as an ordinary bound volume. It will also be noted that there are no sharp edges presented that would be liable to injure books, papers, &c. It will be further noted that the bands B will give to permit the volume to be opened.

A set of pamphlets or books bound as herein shown and described may be provided with an ordinary stiff cover applied thereto in the usual manner.

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

1. An improved binding for books, pamphlets, &c., consisting of metal bands B placed against the backs of the books or pamphlets and provided with bent ends which overlie or pass into the outer books or pamphlets, and separate wires C attached to one of the outer books or pamphlets, substantially as shown, brought around the back-bands, passed up through the next book or pamphlet, brought back around the back-bands and up through the next book, and so on until all the books or pamphlets are connected to the metal back-bands, in the manner shown and described.

2. A device for binding books, pamphlets, &c., comprising metal back-bands B having their ends bent to pass over or through the backs of the outer pamphlets, and a wire C one end of which is secured to the first book

or pamphlet by looping the wire through said  
book or pamphlet and forming the terminal  
into an eye through which the other part of  
the wire is passed, the wire being then passed  
5 around the back-band, through the next pam-  
phlet and back around the back-band, and so  
on, substantially as shown and described.

In testimony whereof I affix my signature  
in presence of two witnesses.

TRUMAN C. KENWORTHY.

Witnesses:

IRVING C. JOHNSON,  
JOHN P. HIATT.