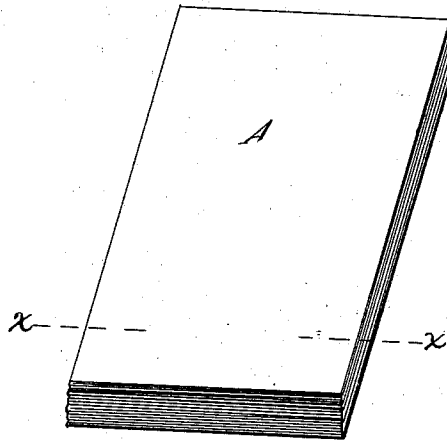


E. S. BOYNTON.  
Book Sewing.

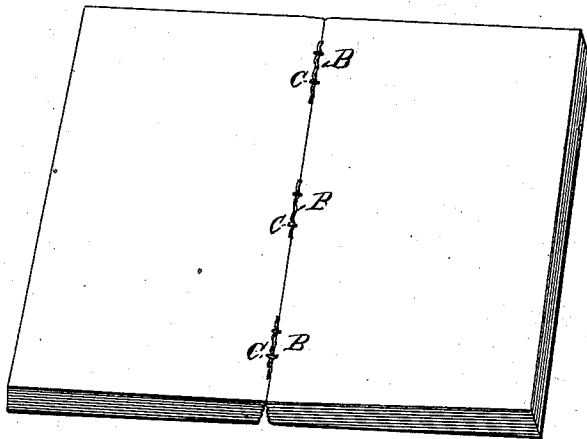
No. 201,590

Patented March 26, 1878.

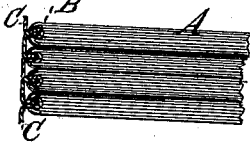
*Fig. 1.*



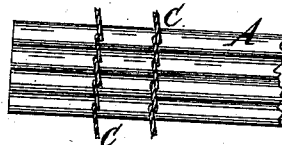
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



*Witnesses*  
*Edw. Child*  
*John W. Ripley*

*Inventor*  
*Edward S. Boynton*  
*by J. J. Gordon*  
*his Atty.*

# UNITED STATES PATENT OFFICE.

EDWARD S. BOYNTON, OF NEW YORK, N. Y.

## IMPROVEMENT IN BOOK-SEWING.

Specification forming part of Letters Patent No. **201,590**, dated March 26, 1878; application filed September 27, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD S. BOYNTON, of New York, county of New York, State of New York, have invented a new and useful Improvement in Book-Sewing, which is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of my improved book; Fig. 2, a plan view thereof when open; Fig. 3, a transverse section of the same at line *x x* of Fig. 1; Fig. 4, a view of the back of the book, showing the manner of uniting the signatures; Fig. 5, a detached view of a corrugated pin or wire.

A is the book; B, the wire; C, the cord.

The object of my invention is to simplify the process of producing the machine-made book patented to me July 17, 1877, and to give a neater and more tasty appearance without impairing the security of the binding.

I accomplish this by corrugating or roughening the metal securing-pins inserted within the loops passed through the center of the

folded signatures, which avoids the necessity of turning up the ends of the wires to guard against accidental withdrawal; and it also prevents the slipping of the loop upon the wire, thereby greatly enhancing the durability of the book, as it reduces the chances of the loop being worn off in long or hard use. There is also a considerable economy of labor in binding a book by using this improved wire over the use of a smooth wire, and turning up both ends.

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

The combination of a corrugated, twisted, or roughened-surface securing-pin with the cord of which the loops are formed, operating together to bind a book, substantially in the manner described.

EDWARD S. BOYNTON.

Witnesses:

JOHN W. RIPLEY,  
S. J. GORDON.