

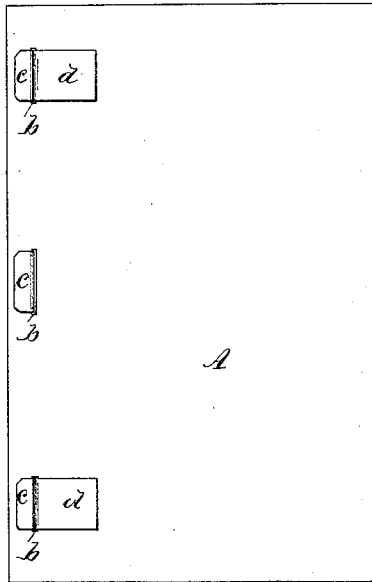
O. & J. S. ROUTH.

BOOK-BINDING.

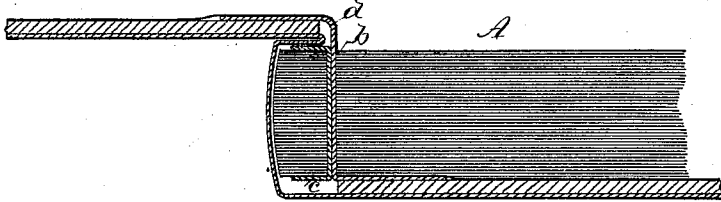
No. 193,183.

Patented July 17, 1877.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*H. Rydquist*  
*J. N. Scarborough.*

INVENTOR'S

*O. Routh.*  
*J. S. Routh.*  
BY *mm*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

OSWALD ROUTH AND JOHN S. ROUTH, OF NEW YORK, N. Y.

## IMPROVEMENT IN BOOK-BINDING.

Specification forming part of Letters Patent No. **193,183**, dated July 17, 1877; application filed June 11, 1877.

*To all whom it may concern:*

Be it known that we, OSWALD ROUTH and JOHN S. ROUTH, of the city, county, and State of New York, have invented a new and useful Improvement in Book-Binding, of which the following is a specification:

Figure 1 is a side view of a book bound by our improved method, having the cover removed. Fig. 2 is a transverse section of a book taken through one of the clips or binders.

Similar letters of reference indicate corresponding parts.

Our invention relates to the binding of books; and it consists in fastening the leaves together by means of metallic clips which take the place of usual tape.

Our invention is especially applicable to school-books, but it may be applied with advantage to books of other descriptions.

The common difficulty with tape-bound books is that the tape becomes torn or broken by the constant and usually careless opening of the book, and the leaves of the book become loose, and are soon lost or destroyed. Another difficulty with books bound in usual manner with tape is that the cover must be formed on the book; a finished cover cannot be applied.

By our improvement these difficulties are avoided, and the book is made stronger and more durable, and may have applied to it an embossed or ornamented cover.

In the drawing, A represents the body of the book, through which the slits *b* are made, in the same manner as when tape is used. In these slits strips *c* of sheet metal are placed, and their ends are bent down over the sides of the book, forming clips, which hold the leaves of the book securely together. For some kinds of books, and for pamphlets, the clips only will be required; but when covers are attached, tapes *d* are passed through the slits, and used in connection with the clips.

These tapes may be attached to the cover, in the usual way, by passing them through slits in the cover, and pasting them down on the outside; or they may be fastened to the inner surface of the cover, as represented in Fig. 2, in which case embossed or finished covers may be used.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

As a new article of manufacture, a book the leaves or signatures of which are bound together by means of metallic strips *c*, and attached to its covers by tapes passing through the slits *b*, substantially as described.

OSWALD ROUTH.  
JOHN S. ROUTH.

Witnesses:

GEO. M. HOPKINS,  
ALEX. F. ROBERTS.