

W. Daniels.
Binding Books.

N^o 72373

Patented Dec. 17, 1867.

Fig. 1.

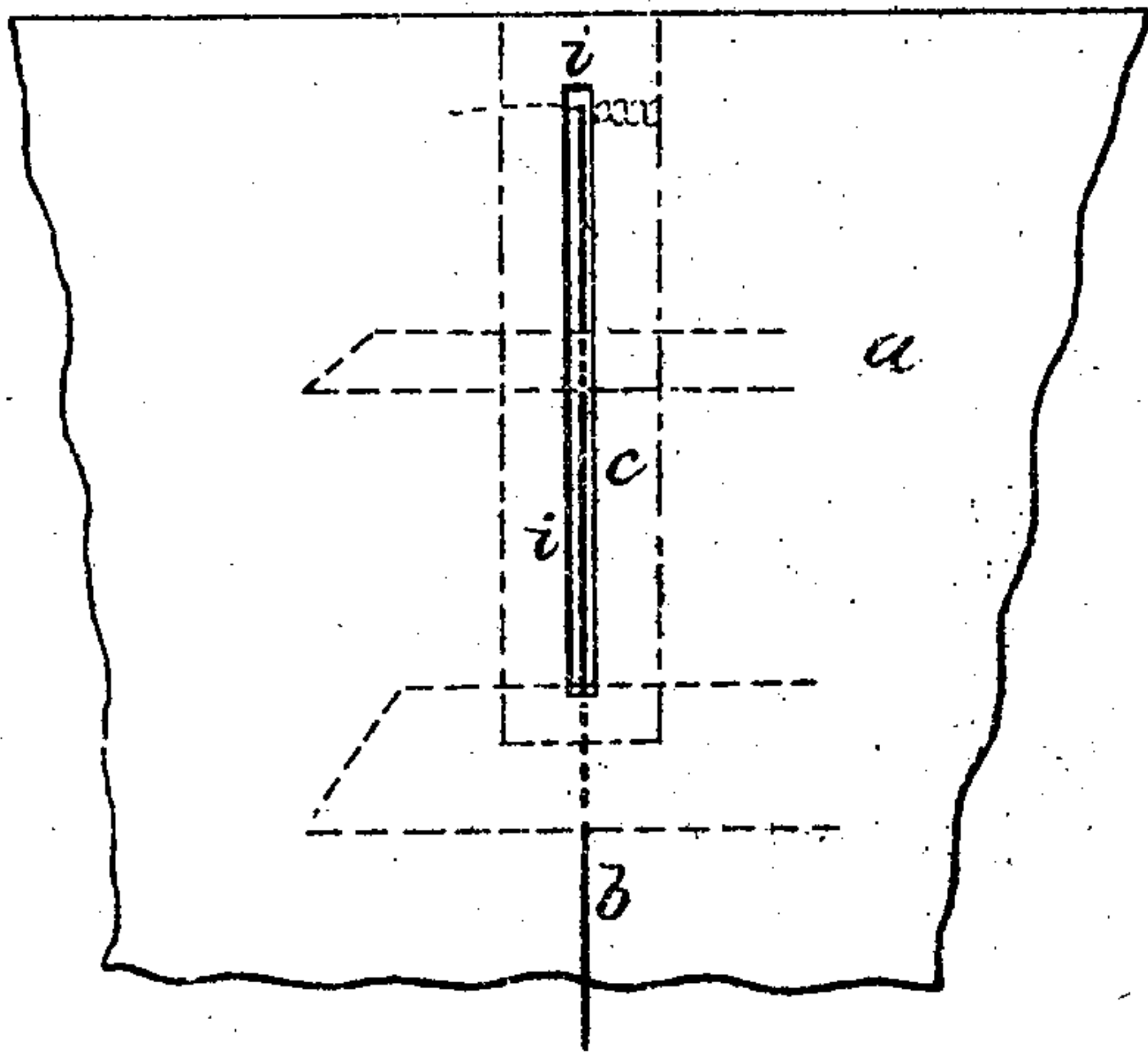
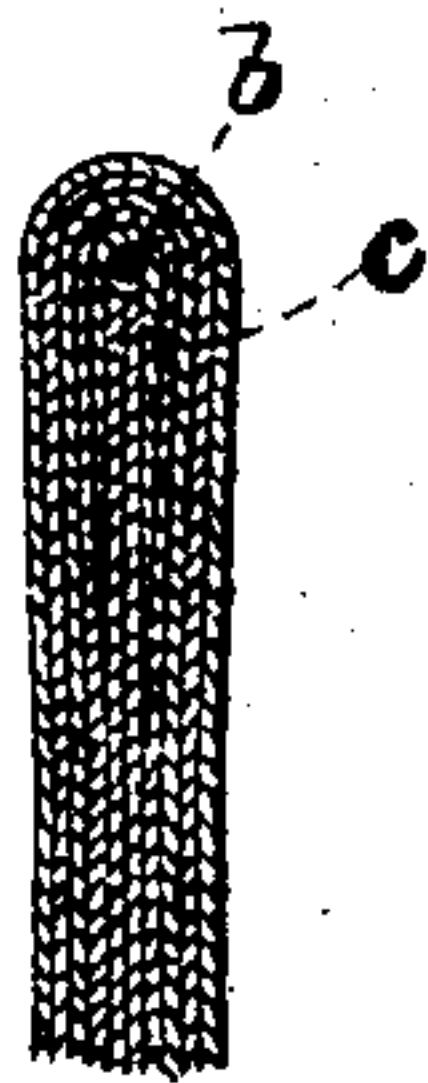


Fig. 2.



Witnesses.

Geo. D. Walker.

Chas. H. Smith.

Inventor.

William Daniels.

United States Patent Office.

WILLIAM DANIELS, OF BROOKLYN, NEW YORK.

Letters Patent No. 72,373, dated December 17, 1867.

IMPROVEMENT IN BINDING BOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM DANIELS, of Brooklyn, in the county of Kings, and State of New York, have invented a certain new and useful Improvement in Binding Books; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a view of the fold in the centre leaf of a section made with my improvement, and

Figure 2 is an enlarged view, sectionally, of the leaves of a section of the book.

In binding books, particularly blank and account-books, the leaves forming the respective sections are held together by threads running in the fold, and passing out over parchment bands or cords at the back, and united near the upper and lower parts of the back by the "kettle-stitches." The paper of the central sheet of the section is liable to cut and tear out where the thread passes out at the upper and lower ends, and the leaves of the section become loose, tear out, and the book is damaged, so that the sheets are liable to tear out and separate from the back. This is particularly the case with blank and account-books that are frequently handled. If a strip of muslin is added to the central sheet in the section, to strengthen the same, the thickness of the back is thereby increased, so that it does not come within the space allowed in rounding up the back to allow for the threads that are introduced in the sewing.

The nature of my said invention consists in a strip of muslin applied to the fold of the central sheet of the sections of a book, in combination with an opening formed in said sheet at the fold, for the reception of the thread used in sewing the book. By this construction, the thickness of the back is not increased by the introduction of the strip of cloth or muslin, because there is a space formed in the paper for the reception of the thread, which compensates for the additional thickness of the muslin or cloth. The central sheet of each section being by this means effectually secured into place, so that it cannot become loose or tear out, all the other leaves of the section are by it reliably held in place.

In the drawing, *a* represents the central leaf of the section; *b*, the thread used in sewing the book together; *c*, the strip of cloth, attached by suitable paste or cement to the central sheet *a*, at the fold thereof; and *i* is the space or opening formed in the paper at the fold thereof, in which the thread of the sewing lies, as seen in large size in fig. 2.

The two thicknesses of cloth, which I prefer to be fine cotton or linen fabric, cut on the bias, are, when pressed, only about the same thickness of the thread usually employed; and the long slot or opening *i* in the paper, at the fold, is sufficient to receive said thread without the thread itself increasing the thickness of the back, because the two thicknesses of paper are about equal to the thickness of the thread when pressed. The strip of cloth may be applied only at the top and bottom portions of the sections, or may be applied all along the fold of the central sheet, the paper being cut out, or forming a slot or opening at those places where the thread is introduced.

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

The strip of cloth, applied to the fold of the central sheet of the section of a book, in combination with a long slot or opening in said sheet of paper at the fold, for the reception of the thread used in sewing the book, as specified.

In witness whereof, I have hereunto set my signature, this eighteenth day of December, 1866.

WILLIAM DANIELS.

Witnesses:

GEO. D. WALKER,
CHAS. H. SMITH.