

(No Model.)

J. W. LOVERIDGE.
Book Binding.

No. 231,067.

Patented Aug. 10, 1880.

Fig. 1

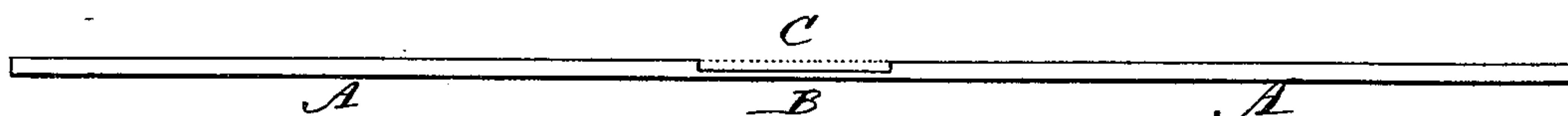


Fig. 2

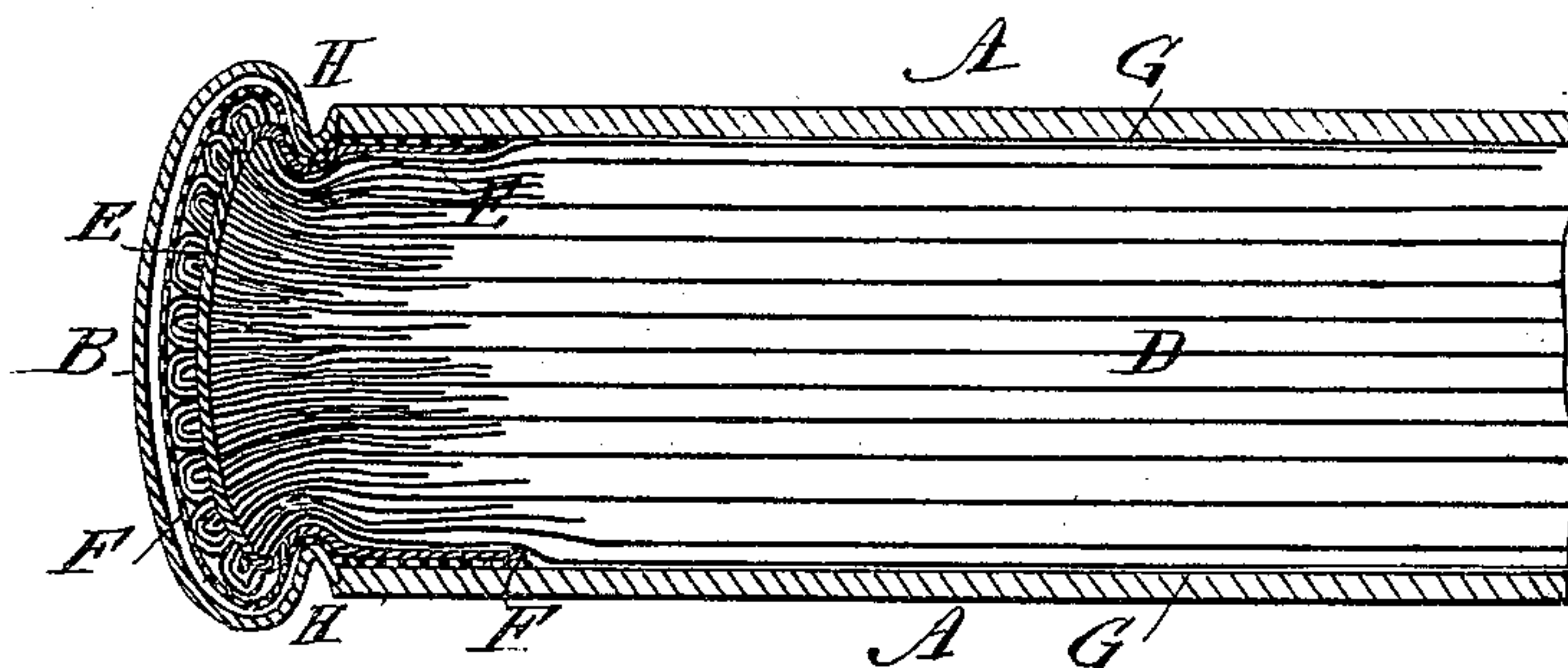
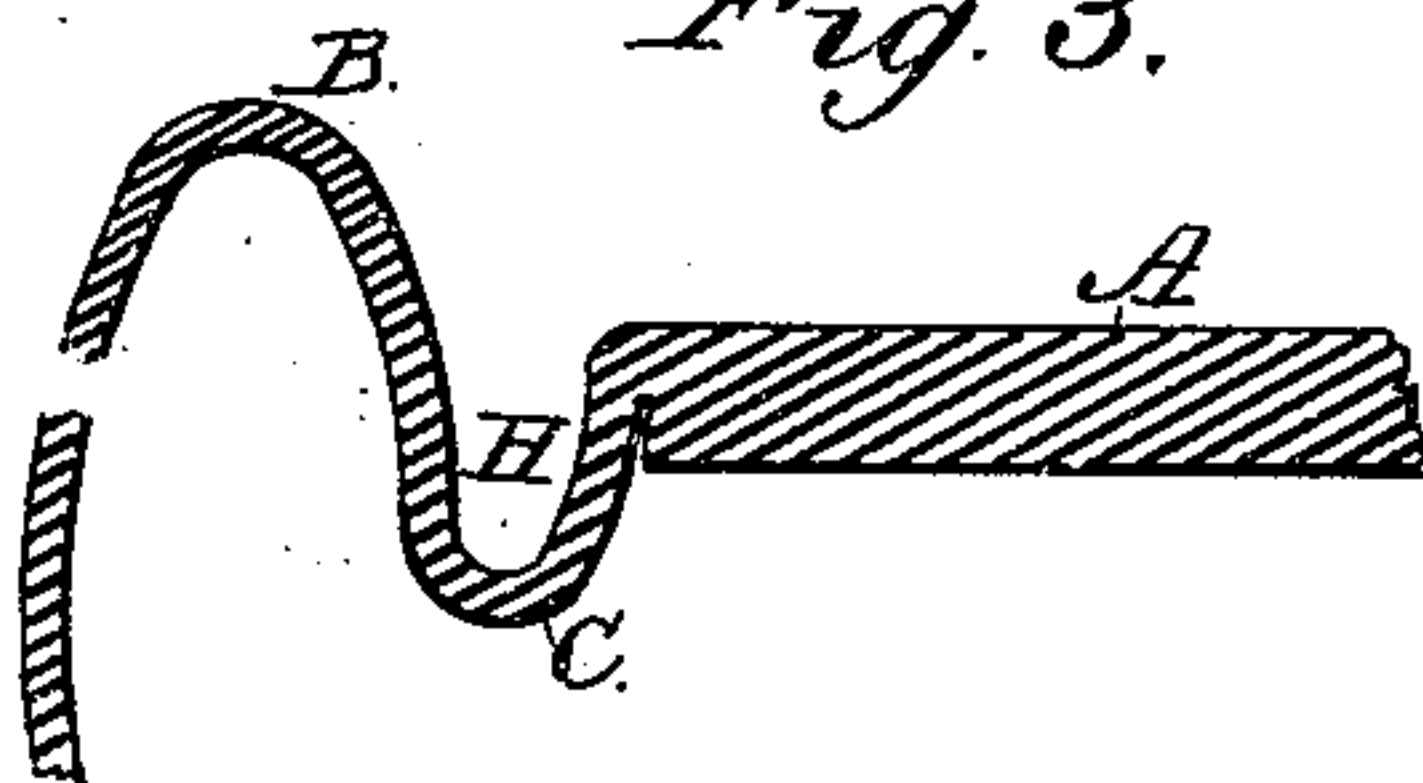


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES W. LOVERIDGE, OF JERSEY CITY, NEW JERSEY.

BOOK-BINDING.

SPECIFICATION forming part of Letters Patent No. 231,067, dated August 10, 1880.

Application filed June 11, 1880. (No model.)

To all whom it may concern :

Be it known that I, JAMES WILLIAM LOVERIDGE, of Jersey City, Hudson county, New Jersey, have invented new and useful Improvements in Book-Binding, of which the following is a specification.

Figure 1 is an edge view of a book-cover, showing the improvement, and Fig. 2 represents the cover applied to a book. Fig. 3 is a detail sectional view, showing the cover-hinges.

Similar letters of reference indicate corresponding parts.

The object of this invention is to lighten the expense and labor of binding books by enabling the binder to stamp, gild, or print the covers and back at one operation.

The invention consists in forming a book-cover in one piece of a material of uniform thickness to allow the covers and back to be stamped, gilded, or printed at one operation, and grooving the inner side of the back to give flexibility to the back of the book, as will be hereinafter fully described.

A A represent the covers, and B the back of a book-cover, which are made in one piece of binder's board or other suitable material of uniform thickness. The piece A B A, being of uniform thickness, can be stamped or embossed, gilded, or printed at one operation. The piece A B A is then turned over and a groove, C, of any desired depth and width is cut in the inner side of the part that is to form the back of the cover. The groove C can be cut with an emery-wheel or shaved out with any suitable tool, and gives flexibility to the back of the book. The groove C is made wide enough to extend beyond the sheets or signatures and form a hinge. The apparent displacement at H is caused by the pressure of the brass-bound

boards. If the groove C should be made the outward back of the book, there could be no stamping or embossing of the entire covers and back before said groove was cut. By pressure the groove H is readily formed, and its compressed state adds to the durability and strength of the hinge.

The cover A B A is secured to the book D by cords E, a cheese-cloth, F, and the first leaves, G, of the book D in the usual manner.

The book may be bound with a loose back, as shown in Fig. 2, or with a tight back, as may be desired. After the cover A B A has been applied to the book D the book is pressed between brass-bound press-boards, the projecting edges of the binding of the said press-boards making the grooves H at the edges of the groove C, which grooves H form the hinges of the cover.

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

1. A book-cover, A B A, made in one piece, and having a groove, C, formed upon the inner side of the back, substantially as herein shown and described, whereby flexibility is given to the back of the book, as set forth.

2. The method of binding books substantially as herein shown and described, which consists in making the covers A A and back B in one piece of uniform thickness, stamping, gilding, or printing the covers and back at one operation, and grooving the inner side of the back B to give flexibility to the back of the book, as set forth.

JAMES W. LOVERIDGE.

Witnesses:

JAMES T. GRAHAM,
B. Z. UNDERWOOD.