(No Model.)

R. W. LOVERING.

BOOK CASE.

No. 400,925. Patented Apr. 9, 1889.

Fig. 1.

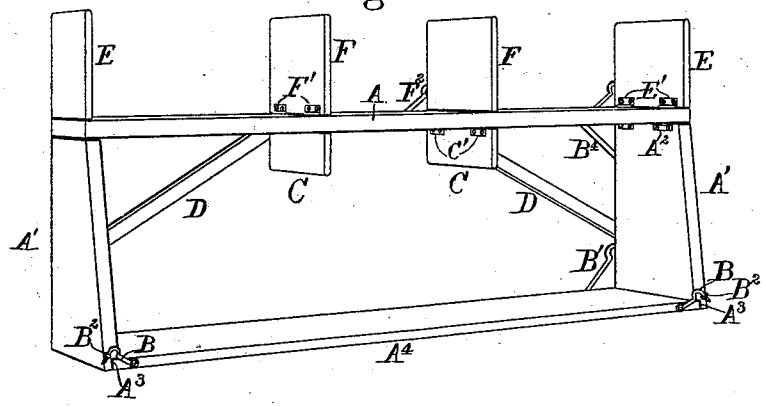


Fig. 2.

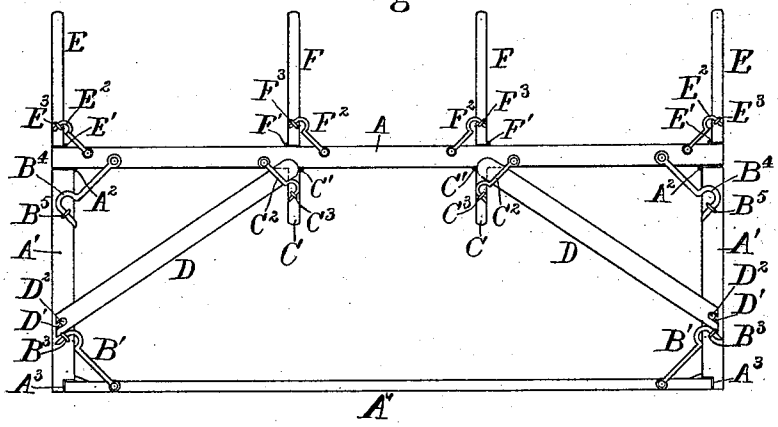


Fig. 3.

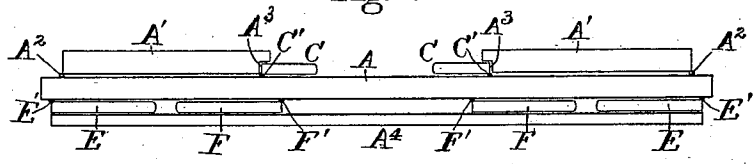


Fig. 4.



Fig. 5.

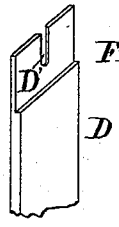
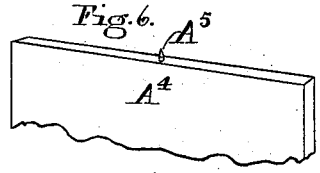


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

RICHARD W. LOVERING, OF POPLAR GROVE, ILLINOIS.

BOOK-CASE.

SPECIFICATION forming part of Letters Patent No. 400,925, dated April 9, 1889.

Application filed December 17, 1888. Serial No. 293,839. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. LOVERING, a citizen of the United States, residing at Poplar Grove, in the county of Boone and State of Illinois, have invented a certain new and useful Improvement in Book-Cases, of which the following is a specification.

This invention relates to the production of a combination folding and knockdown book-case; and it consists of certain new and useful features of construction and combinations of parts hereinafter described, and pointed out in the claims.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is a front isometric view of my improved book-case. Fig. 2 is a rear elevation of the same. Fig. 3 is a front view of the book-case knocked down and folded for transportation. Figs. 4, 5, and 6 are isometric detailed views of the end portions of the braces and bottom of the book-case.

Like letters of reference indicate corresponding parts throughout the several views.

A is the upper shelf of a book-case embodying my invention. A′ are end pieces of the same, connected with the under side of the shelf A by means of hinges A^2, in such a manner that they can be folded inward against it. The lower ends of the end pieces, A′, are rabbeted at A^3, to receive the ends of the lower shelf, A^4, which said ends are provided with points A^5, to retain the same in position. The hooks B B′ and eyes B^2 B^3 prevent the points A^5 from being withdrawn from the end pieces, A′, while the book-case is in use. The hooks B^4 and eyes B^5 materially assist in strengthening the case.

C are the lower partitions, that are attached to the under side of the upper shelf of the book-case by means of hinges C′. The partitions C can be folded against the shelf A, and are held in place, when the case is in use, by means of hooks C^2 and eyes C^3.

D are braces that are provided with slots D′, to engage with the pins D^2, set in the end pieces, A′. The upper ends of the braces D are provided with miters D^3, to adapt them to engage with the shelf A and partitions C.

E are auxiliary end pieces of the case, and are jointed to the upper side of the shelf A by means of hinges E′, in such a manner that they can be folded down upon the same.

E^2 are hooks, and E^3 eyes for maintaining the end pieces, E′, in a horizontal position.

F are upper partitions, also jointed to the upper side of the shelf A by means of hinges F′, in such a way that they can be folded down thereupon.

F^2 F^3 are hooks and eyes, respectively, for maintaining the partitions F in a perpendicular position.

The herein-described book-case is highly convenient for the use of students, tourists, and others.

I claim—

1. As a new article of manufacture, a book-case consisting, essentially, of an upper shelf, A, the folding end pieces, A′, hinged thereto, a lower shelf, A^4, connected with said end pieces, the auxiliary folding end pieces, E, hinged to the shelf A, the lower folding partitions, C, jointed to the lower side and the upper partitions, F, jointed to the upper side of said shelf A, substantially as described, and for the purpose specified.

2. The herein-described book-case, consisting of the upper and lower shelves, A A^4, the end pieces and auxiliary end pieces, A′ E, the upper and lower folding partitions, F C, the braces D, and the hooks, eyes, and hinges securing said parts together, in the manner shown, and for the purpose set forth.

RICHARD W. LOVERING.

Witnesses:
L. L. MORRISON,
E. F. DOWLING.