

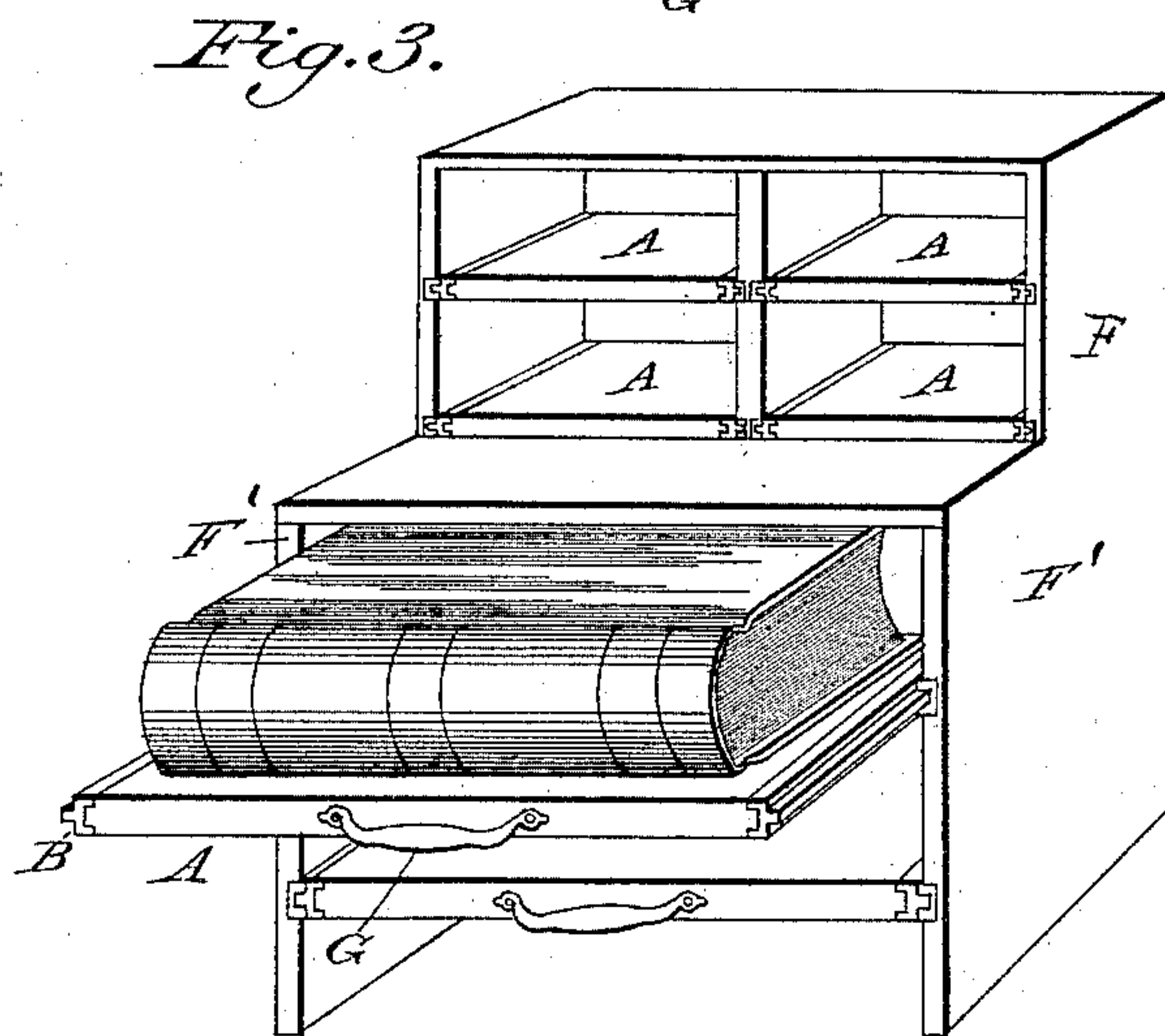
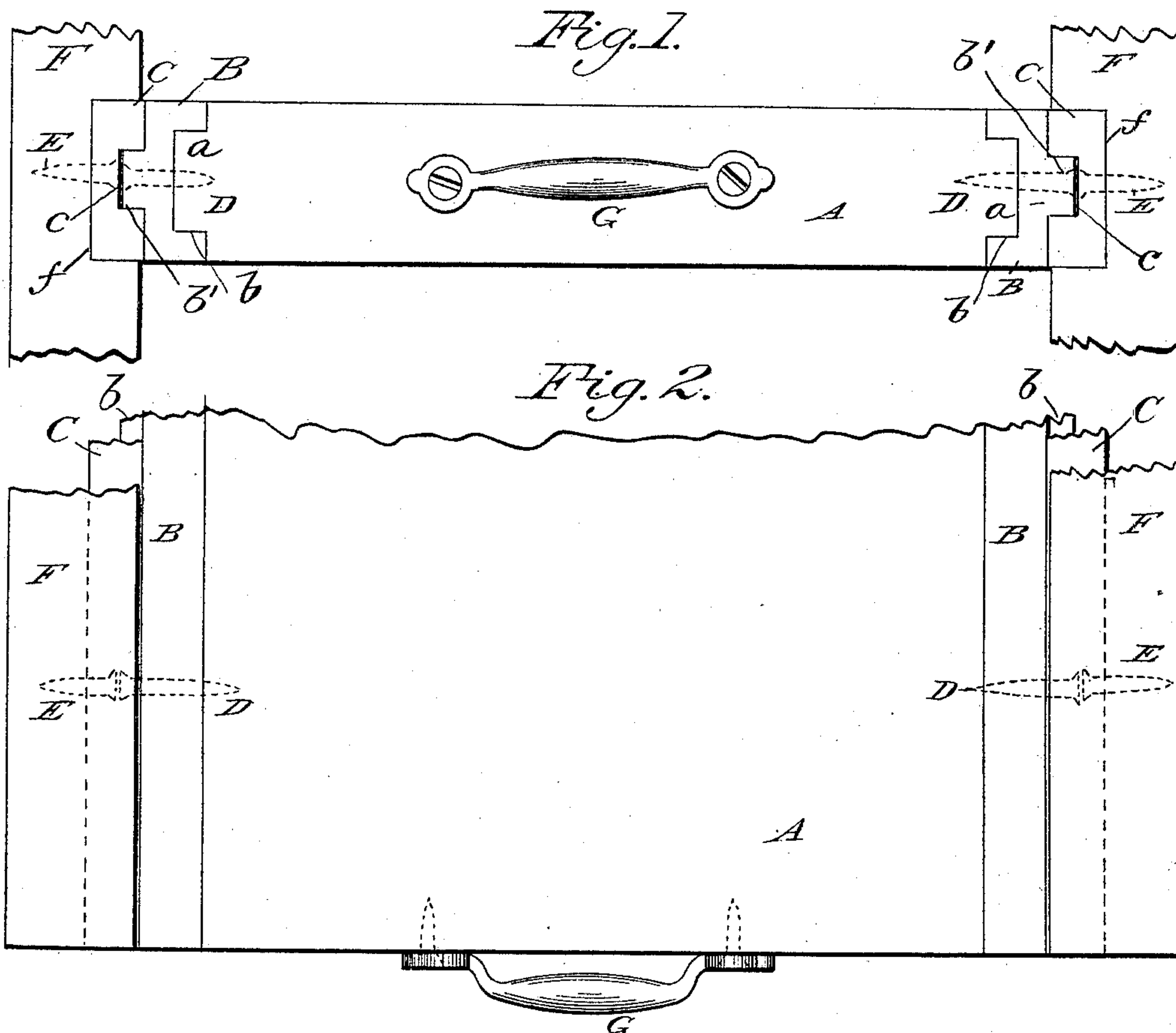
(No Model.)

J. M. D. FRANCE.

## BOOK SHELF.

No. 396,813.

Patented Jan. 29, 1889.



Witnesses:  
J. N. Amlund  
H. M. Hansen

*Inventor:*

J. M. D. France.

# UNITED STATES PATENT OFFICE.

JOHN MASON DUNCAN FRANCE, OF ST. JOSEPH, MISSOURI.

## BOOK-SHELF.

SPECIFICATION forming part of Letters Patent No. 396,813, dated January 29, 1889.

Application filed January 30, 1888. Serial No. 262,440. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MASON DUNCAN FRANCE, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and useful Improvement in a Book-Shelf for Record-Books, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

Figure 1 is a front view of my improved book-shelf. Fig. 2 is a top view of the same, and Fig. 3 is a perspective view of the same as in operation.

My invention consists in certain features of construction and a novel combination of parts, as will be hereinafter fully described and claimed.

In the drawings, A indicates a sliding board or shelf, which is provided on opposite sides with metallic bars B B. The bars B B are provided with mortises *bb*, in which fit tenons *a a* upon the sides of the sliding board A, as shown. The bars B are also provided with a tongue, *b'*, the purpose of which will be presently explained. In the sides *F' F'* of the casing F are formed horizontal mortises *f*, into which are fitted the metallic bars C, which bars are provided with the grooves *c*, extending their length. Into these grooves *c* are fitted to slide the tongues *b' b'* of the bars B, which are secured to the sliding board A, as before described. The sliding board A is provided with a suitable handle, G, which serves to facilitate its movement in the casing F.

In the operation of my improvement the sliding board A is drawn out of the casing F, and when a record or other book is placed thereon it may be readily shoved back into place in the casing. By reason of the metallic bars B and C and their tongue-and-groove connections, as described, the easy operation of the device is thereby much facilitated. A record-book being placed on the sliding board and the board working in the casing in the manner before specified, said book is better preserved and protected from wear and tear incident to other book-shelves.

Having thus described my invention, what I claim is—

In a book-shelf, the combination, with the casing F and the metallic grooved bars C, secured horizontally in mortises formed in the sides of said casing, of the sliding board A, the metallic bars B, secured to the sides of said board A, said bars B provided with a mortise, *b*, to receive the tenon *a* of the board A, and a tongue, *b'*, adapted to fit and slide in the groove *c* of the bar C, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN MASON DUNCAN FRANCE.

Witnesses:

J. W. ATWILL,  
H. M. HANSON.