No. 679,054. Patented July 23, 1901.

G. J. KRAUSHAAR.

SHELF BOOK SUPPORT.

(Application filed Aug. 8, 1900.)

(No Model.)

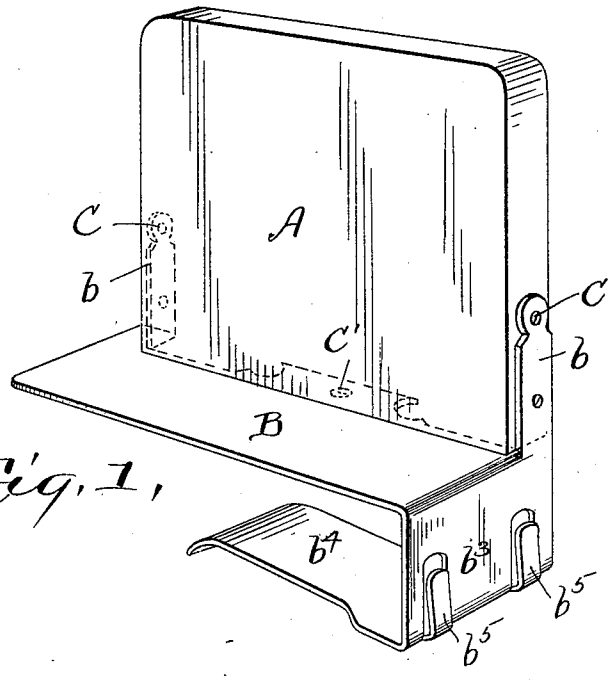

Fig. 1.

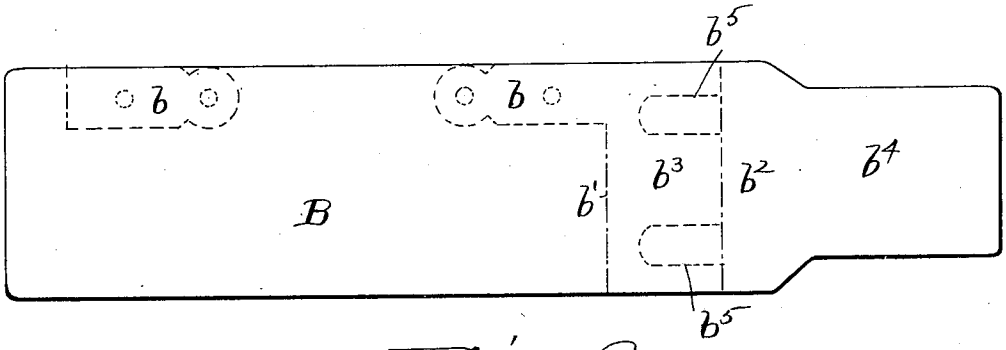

Fig. 2.

Witnesses,
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Inventor,
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By his Attorneys,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE J. KRAUSHAAR, OF CLEVELAND, OHIO, ASSIGNOR OF THREE-FOURTHS TO WILLIAM H. BRETT AND THOMAS J. BUCHAN, OF SAME PLACE.

SHELF BOOK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 679,054, dated July 23, 1901.

Application filed August 8, 1900. Serial No. 26,204. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. KRAUSHAAR, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Shelf Book-Supports, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The object of this invention is to provide a simple and efficient temporary partition or end support for a book-shelf adapted to be removably carried by the shelf itself. In public libraries or other libraries which are continually expanding it is extremely convenient to provide a temporary end for the shelf or partition between the actual ends of the shelf which may be adjusted as more books are added to the shelf. It has been customary heretofore to provide such partitions resting on the top of the shelf and extending beneath the books thereof and relying on the weight of those books to hold it in place. This is more wearing on the books and less stable than when the partition is carried directly by the shelf itself. The present invention provides this latter desirable means of supporting the partition, and the invention may be summarized as consisting, broadly, of a spring-clip adapted to take onto the upper and lower sides of the shelf, and thus clasp it, and an upwardly-extending partition supported by said clip. The invention includes, however, the more specific adaptation thereof hereinafter shown and described.

In the drawings, Figure 1 is a perspective view of my improved partition complete, and Fig. 2 is a plan of the blank from which the clip is made. The dotted lines in the latter figure show the cuts and bends necessary to form the clip therefrom.

A complete book-support consists of the vertical partition A, which is preferably a wooden board, and the sheet-metal clip B, which supports the board and takes onto the upper and under side of the shelf. This clip is made from a blank of the approximately rectangular form shown in Fig. 2. This blank is bent on the two transverse lines b' b^2 to give it the clip shape. The main portion of the plate is thus adapted to lie on the upper side of the shelf. Then comes a vertical portion b^3, taking on the front edge, and then the end, which is in the form of a spring-tongue b^4, adapted to bear on the under side of the shelf, whereby the clip may clasp the shelf.

A pair of ears b are formed by making suitable cuts in the upper portion of the blank B, and these ears are turned up vertically and are secured by screws C to the front and rear edges of the partition-board A. This board is also secured by a screw C′ through the plate B intermediate of the portion cut out for the ears. This makes a very cheap and efficient way of securing the partition-board to the clip. Thus the partition is supported entirely by the shelf itself and irrespective of the books and does not lose its place when the book or books next to it are removed, while it may be removed or changed in position as desired.

In order to carry a label on the vertical portion b^3 of the clip, a pair of tongues b^5 are cut out of this portion and bent out horizontally a short distance and then upward parallel with the portion b^3. These tongues b^5 do not materially weaken the vertical plate or the main tongue b^4. The vertical portion b^3 is somewhat greater than the thickness of the thickest shelf with which the device is intended to be used, wherefore the main tongue b^4 extends upward toward the plate B and has a spring-pressure against the under side of the shelf.

Having described my invention, I claim—

1. A spring-clip having a plate adapted to lie on the upper side of a shelf, a depending plate adapted to extend across the front edge of the shelf, and a spring-tongue adapted to take on the under side of the shelf, a pair of ears cut out of the upper plate of the clip and turned upward, and a partition secured to said ears, substantially as described.

2. A sheet-metal clip having a top plate and means for clamping it to a shelf, a pair of ears cut out of said top plate and turned up at substantially right angles thereto, a partition-board between said ears and extending upward at right angles to the top plate, said ears being secured to the front and rear edges of said board and the board

being secured on its lower edge to a portion of the top plate projecting between the portions cut out for the ears, substantially as described.

3. A spring-clip made of one integral piece of sheet metal and having a top plate adapted to lie on the top of a shelf, a plate depending therefrom at right angles and adapted to occupy the front side of a shelf, and a spring-tongue extending rearward from the lower edge of the front plate and adapted to bear against the under side of the shelf, a tongue for holding a label cut out of the front plate and offset but lying substantially parallel therewith, and a vertical partition secured to the top plate, substantially as described.

4. The combination of a clip made from a single piece of sheet metal bent to take onto the upper side, the front side and the under side of a shelf, a tongue cut out of said front side and offset forward to provide means for carrying a label on the front side, a pair of ears cut out of the top plate and bent upward, and a partition-board extending upward between said ears and secured thereto, substantially as described.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

GEORGE J. KRAUSHAAR.

Witnesses:

ALBERT H. BATES,

THOMAS J. BUCHAN.