No. 668,961.

Patented Feb. 26, 1901.

J. ROSEBOOM.

BOOK RACK.

(No Model.)

(Application filed Aug. 7, 1900.)

Fig. 1.

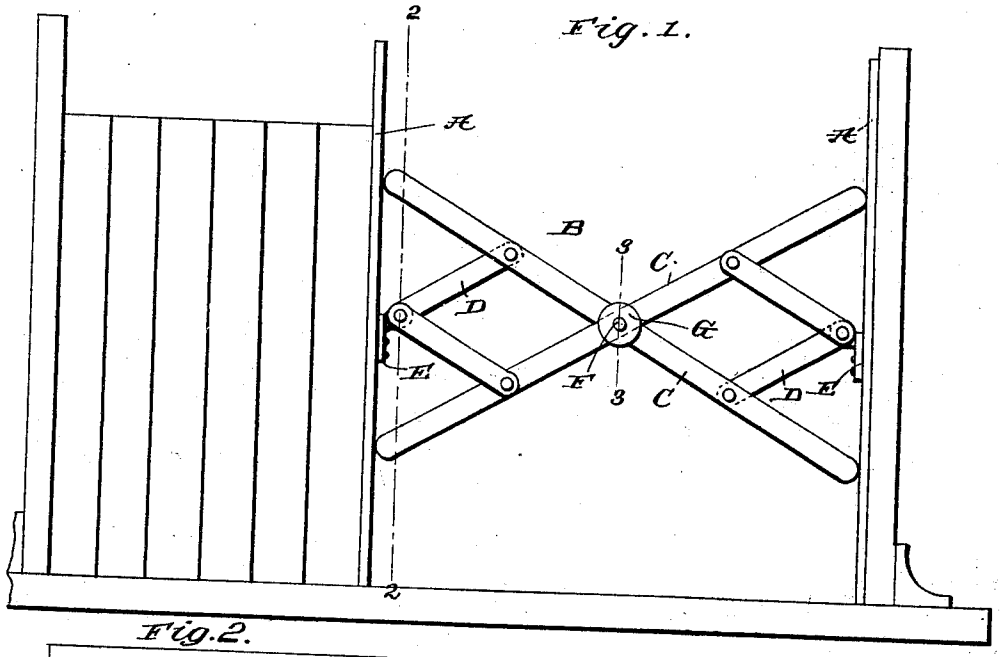


Fig. 2.

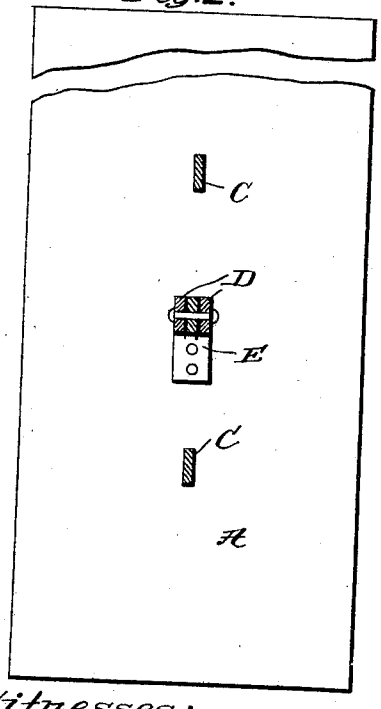


Fig. 3.

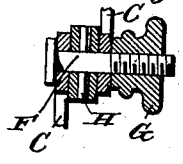


Fig. 4.

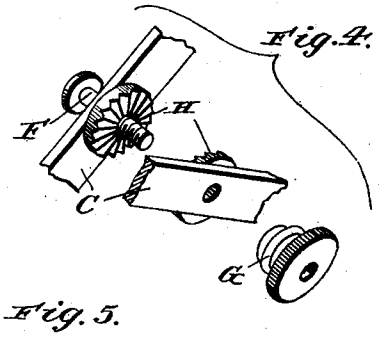
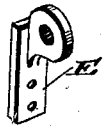


Fig. 5.



Witnesses:

T. B. Turpin

Inventor

Jesse Roseboom

By James J. Sheehy.

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JESSE ROSEBOOM, OF CINCINNATI, OHIO.

BOOK-RACK.

SPECIFICATION forming part of Letters Patent No. 668,961, dated February 26, 1901.

Application filed August 7, 1900. Serial No. 26,173. (No model.)

To all whom it may concern:

Be it known that I, JESSE ROSEBOOM, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Book-Supports, of which the following is a specification.

My invention relates to improvements in book-supports or devices for holding books in an upright position on a shelf or the like when the shelf is not fully occupied; and it consists in a certain peculiar support, the novelty, utility, and advantages of which will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a front elevation illustrating my improved support in its proper operative position on a shelf. Fig. 2 is a broken transverse section taken in the plane indicated by the broken line 2 2 of Fig. 1. Fig. 3 is an enlarged transverse section taken in the plane indicated by the broken line 3 3 of Fig. 1. Fig. 4 comprises broken perspective views of the central portions of the long levers of the lazy-tongs comprised in my improved support, together with disconnected perspective views of the devices through the medium of which the said long levers are connected and adjustably fixed with respect to each other. Fig. 5 is an enlarged perspective view of one of the hinge-plates of the support.

Similar letters of reference designate corresponding parts in all of the several views of the drawings, referring to which A A are the end pieces of my improved support, which are preferably in the form of flat plates or strips and may be made of metal, wood, or other suitable material, and B is an expansible connection interposed between and adapted to adjustably fix the end pieces A at various distances apart, so as to adapt the support to snugly occupy spaces of various sizes between an upright of a shelf or book-case and the books to be supported and spaces of various sizes between two sets of books to be supported and held close together in an upright position. The expansible connection may be of any suitable construction. I prefer, however, to employ the lazy-tongs shown in Fig. 1, the same being made up of long levers C, which are pivotally connected together at their centers, and short levers D, which are pivotally connected at their inner ends to the arms of the levers C and at their outer ends to hinge-plates E on the inner faces of the pieces A, at about the center thereof. The pivotal connection between the long levers C is preferably effected by a bolt F, headed at one end, and provided at its opposite end with threads for the engagement of a thumb-nut G, and in order that the levers C D may be securely held against casual movement and the end pieces fixed at a certain distance apart the long levers C are provided on their inner sides with disks H, which surround the bolt H and have corrugated or roughened faces, as best shown in Figs. 3 and 4. The disks H are fixed to their complementary levers C, and hence it will be seen that when the nut G is turned up on bolt F the said levers C will be securely fixed with respect to each other.

In the practical use of my improved support it is placed between two sets of books on a shelf or the like or between a row of books and an upright of the shelf, as shown in Fig. 1, and the connection B is then expanded, so as to press the end pieces against the upright and the adjacent book, after which the connection is adjustably fixed through the medium of the devices before described. From this it follows that my improved support is calculated to securely hold books in an upright position and under a certain amount of pressure on a shelf that is not fully occupied by books; also, that the device is readily applicable to spaces of various sizes, so that it may be used to advantage irrespective of the number of books on a shelf.

The long levers C of the lazy-tongs or expansible connection extend beyond the connection of the short levers D to the end pieces A, and hence it will be seen that the said long levers operate to hold the end pieces A in an upright position, which is advantageous, since it contributes to the facility with which the support may be placed in or removed from a space on a shelf or the like.

As will be appreciated from the foregoing, my improved support is simple and inexpensive in construction, and being neat in ap-

pearance is calculated to enhance rather than detract from the finish of a shelf or other holder for books.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A book-support for use on shelves and the like, comprising end pieces, and the long and short levers interposed between the end pieces; the long levers being pivotally connected together, and the short levers being pivotally connected to the arms of the long levers, and to the end pieces, substantially as specified.

2. A book-support for use on shelves and the like, comprising end pieces, and an interposed expansible connection made up of short levers pivotally connected to the end pieces, and long levers pivotally connected together and to the short levers, and having their ends arranged to bear against the end pieces.

3. A book-support for use on shelves and the like, comprising upright end pieces, long levers interposed between the end pieces and arranged to intersect each other, and having roughened meeting faces at the point of intersection, a bolt pivotally connecting said long levers and having threads, a nut mounted on the threaded bolt, and short levers pivotally connected to the arms of the long levers and to the end pieces.

JESSE ROSEBOOM.

Witnesses:
EDWARD CHAMBERLIN,
A. CHAMBERLIN.