

C. & J. G. BRUNNER.

BOOK-SUPPORT.

No. 185,287.

Patented Dec. 12, 1876.

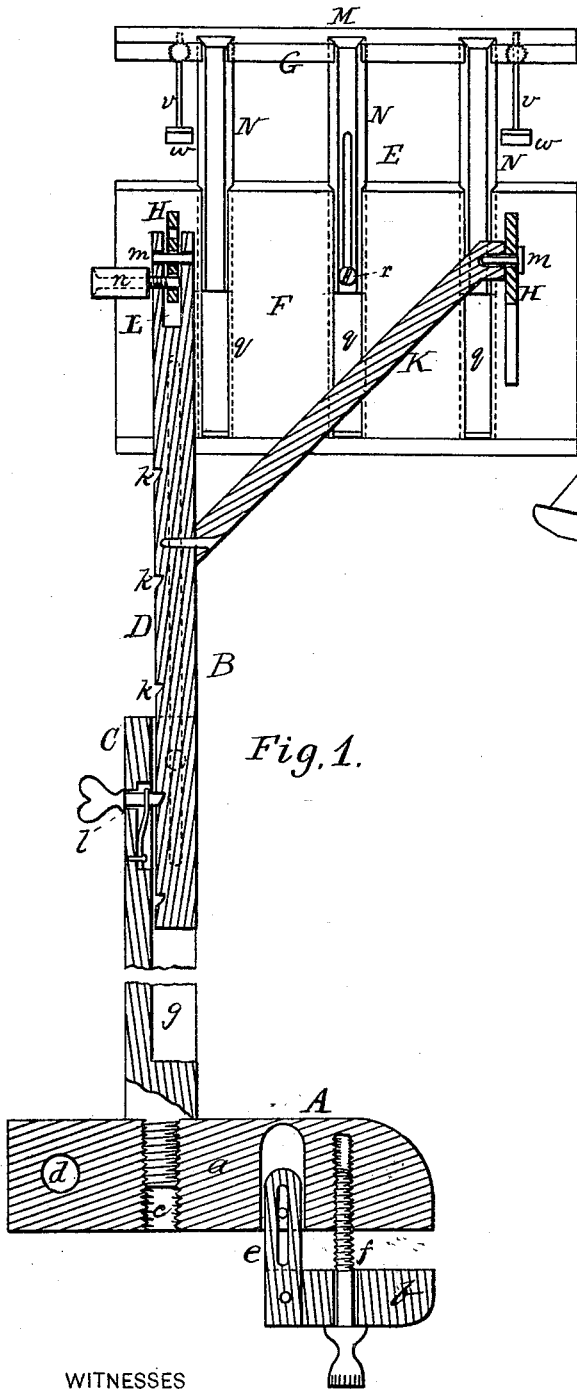


Fig. 1.

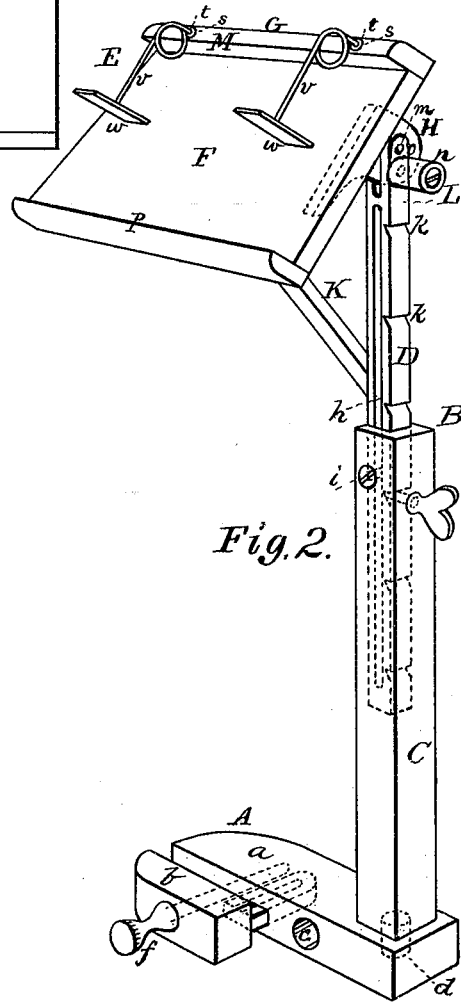


Fig. 2.

WITNESSES
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CHRISTIAN BRUNNER AND JOHN G. BRUNNER, OF NEWTON, IOWA.

IMPROVEMENT IN BOOK-SUPPORTS.

Specification forming part of Letters Patent No. 185,287, dated December 12, 1876; application filed August 19, 1876.

To all whom it may concern:

Be it known that we, CHRISTIAN BRUNNER and JOHN G. BRUNNER, of Newton, in the county of Jasper and State of Iowa, have invented a new and valuable Improvement in Book-Racks; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a back view of this invention. Fig. 2 is a perspective view of the same.

This invention has relation to racks for holding books and papers for convenience in reading; and it consists in the construction and novel arrangement of a clamp-foot having sockets at right angles to each other, for the reception of the heel of the standard of a book-rack, whereby the clamp is adapted to be secured to horizontal or vertical surfaces at pleasure. It also consists in the combination, with a standard of a book-rack having a slotted main portion, and a pivoted book-rest having pivot-lugs, of an extension-arm adjustable on the main portion of the standard, and having a branch which carries journals, engaging with the lugs aforesaid. It furthermore consists in certain other minor details of construction, as hereinafter fully shown, described, and claimed.

In the accompanying drawings, the letter A designates the clamping-foot or vise-fastening, consisting of the body *a* and movable jaw *b*. The former is provided with sockets *c* and *d*, arranged at right angles to each other, in order to provide two adjustments for the foot, whereby it may be more readily secured to different pieces of furniture. The movable jaw *b* is provided with a slotted piece, *e*, which works in the body *a*, and a clamp-screw, *f*, is provided, whereby the clamp is tightened when fitted to a chair-leg or the side of a bedstead or other article of furniture. B indicates the extensible standard, consisting of the main post C and the extension D. The former is made hollow or provided with a rectangular groove, *g*, within which the extension is seated. The latter is

provided with a side groove, *h*, into which projects a tooth or spur, *i*, serving, with said groove *h*, to hold and guide the extension in the main post. One of the edges of the extension is made in ratchet form, or notched at regular distances, as shown at *k*, for vertical adjustments, a spring-catch, *l*, being seated in the main post, and serving to secure the adjustment. E represents the book-rest or supporting-board. This consists of a main board, F, and an extension, G. The former is provided with broad vertical flanges or lugs H, extending downward from it at each end, and serving as bearings for the journals *m*, on which the rest-board turns. One of these lugs is pivoted to the end of an arm, K, of the extension D, and the other in the cleft end L of said extension, which is perforated to receive an adjusting-screw, *n*, which is designed to engage with perforations in the broad lug H, and thereby fix the slant of the rest-board when adjusted. The front edge of the board F is provided with a guard flange or rib, *p*, and its under side is grooved, as shown at *q*, for the reception of the tongues N, which are attached to its back-piece M, and form the extension. One or more of these tongues may be slotted to receive a clamp-screw, *r*, which serves to fix the adjustment of the extension, and to prevent it from being accidentally detached from the main board. In order to connect the two parts with sufficient security, the grooves *q* and tongues N may be made in dovetail form, or may, respectively, be provided with channels and edge-ribs. In the back-piece M are formed bearings *s*, for the reception of pins or journals *t*, which carry elastic arms or springs *v*, provided with rubbers or soft bearings *w*. These arms are designed to turn in the bearings, so as to be adjustable to large and small books, and to serve to keep the leaves open or hold them in place, as the case may be.

This rack is easily attached to chairs, tables, bedsteads, or other large articles of furniture. It is readily adjusted to large or small books, and to the height desired by the person using the same. The slant of the rest-board and its angular position in relation to the clamp-foot are also capable of ready adjustment. With the exception of the sup-

porting-board the parts of the rack are designed to be made of iron. The board may also be made of metal, but wood is preferable.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The clamp-foot having the sockets *c d* arranged at right angles with each other, in combination with the standard B of a book-rack, substantially as specified.

2. The combination, with the slotted main portion C of the standard, and the pivoted book-rest F, having the pivot-lugs H, of the extension D and its branch K, carrying the journals *m*, which engage with the said lugs, substantially as specified.

3. The coil-spring holders *v*, having the journals *t* and the end rubbers *w*, in combination with the back flange M of the book-support, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

CHRISTIAN BRUNNER.

JOHN GEORGE BRUNNER.

Witnesses:

DAVID EDMUNSON,

S. J. MOYER.