R. T. STODDARD

Book-Supporter.

No. 167,951. Patented Sept. 21, 1875.

Fig 1.

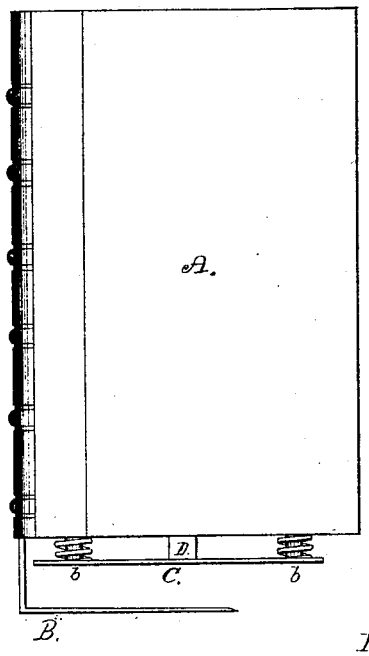


Fig 3.

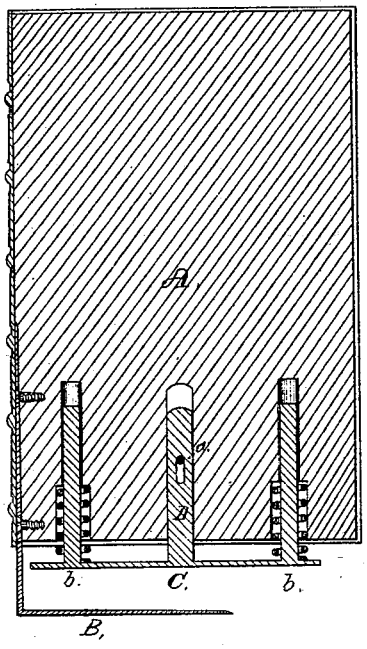
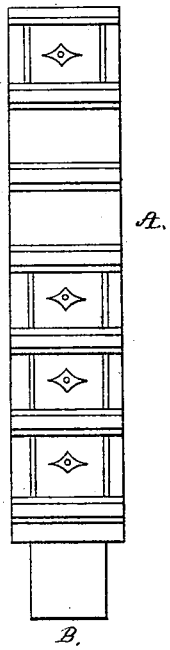


Fig 2.



Witnesses.
Geo Gray.
F. C. Hale.

Richard T. Stoddard
by his attorney
F P Hale

UNITED STATES PATENT OFFICE.

RICHARD T. STODDARD, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BOOK-SUPPORTERS.

Specification forming part of Letters Patent No. **167,951**, dated September 21, 1875; application filed August 2, 1875.

To all whom it may concern:

Be it known that I, RICHARD T. STODDARD, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Book-Supporters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

In the said drawing, Figure 1 is a side elevation, Fig. 2 an end elevation, and Fig. 3 a central and longitudinal section, of a book-supporter embodying my improvement.

My present invention is an improvement upon that for which Letters Patent were granted to me on March 23, 1875, its object being to enable the device to be applied to shelves of varying thickness with far greater facility and ease than can be effected under the construction shown in the said patent; and my invention consists in combining with the spring clamp-plate, a guide-regulating bar, and pin, by which the limit of downward movement is controlled, the same being as hereinafter described and claimed.

In the said drawing, A denotes the body of the device, the same consisting of a rectangular block of wood or other suitable material, having any desirable length, breadth, and thickness. B is a bent rectangular plate, one end of which is rigidly secured to the lower part of the body A, such plate being arranged underneath such part in parallelism therewith, and at a distance therefrom a little greater than the thickness of an ordinary book-shelf. C is another flat metallic plate, which is disposed between the base of the body A and the clamp-plate B, such plate C having two cylindrical arms, *b b*, projecting upward at right angles from its upper surface, and extending into sockets formed for their reception in the lower part of the body A, as shown in Fig. 3. Each of these arms has a wire or spring coiled around it, such serving to force the plate C toward the plate B.

In order to counteract an undue movement of the clamp-plate C, as found in my said patent, I combine with the said plate a slotted bar, D, which is fixed thereto, and disposed midway between the arms *b b*, such bar extending up into a socket made vertically in the lower part of the body A, as shown in Fig. 3. A pin, *a*, secured to the part A, passes transversely through the slot of the bar D, such slot having a length equal to the extent of movement desired to be given to the plate C, in order to enable the device to be clamped to shelves of the maximum or minimum thickness, such pin, by the tension of the springs, maintaining the plate C in the position as shown in the drawing, and thus enabling the device to be applied with facility and ease to an ordinary book-case shelf, whether such be of a greater or less thickness.

Having described my invention, what I claim is—

The combination, with the body A, the fixed plate B, and the sliding spring-plate C, of the slotted bar D, and pin *a*, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

RICHD. T. STODDARD.

Witnesses:

F. P. HALE,

F. C. HALE.