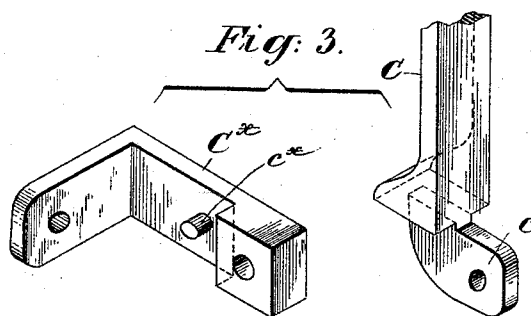
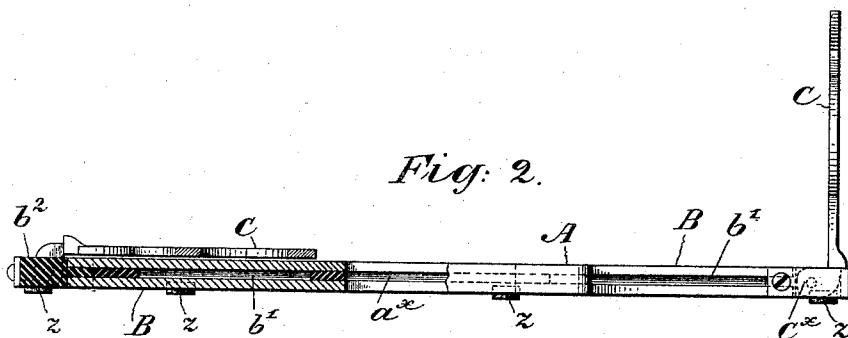
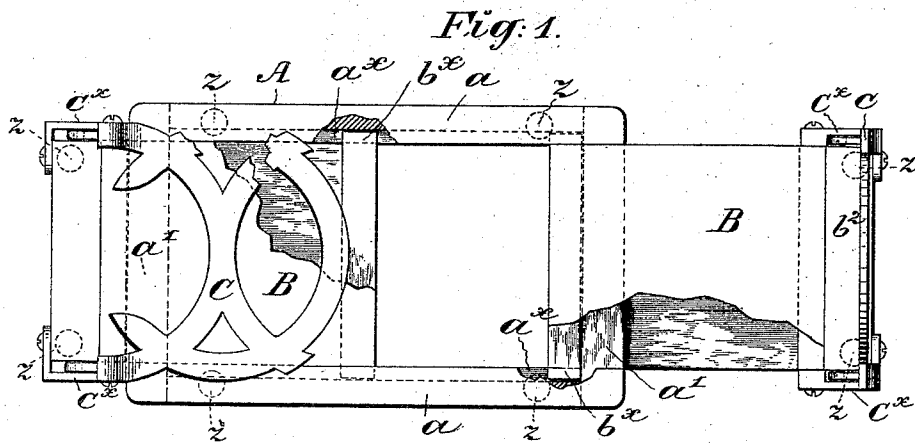


(No Model.)

G. F. SARGENT.
ADJUSTABLE BOOK RACK.

No. 489,693.

Patented Jan. 10, 1893.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE F. SARGENT, OF NEW YORK, N. Y.

ADJUSTABLE BOOK-RACK.

SPECIFICATION forming part of Letters Patent No. 489,693, dated January 10, 1893.

Application filed August 29, 1892. Serial No. 444,379. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. SARGENT, a citizen of the United States, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Adjustable Book-Racks, of which the following is a specification.

My invention relates to the class of small racks for books and the like, adapted to rest upon a table or other support and capable of increase in capacity within limits.

My invention has for its object to provide a light but strong and durable rack of this character and the invention resides partly in the construction of the frame and slides, partly in the mounting of the end supports on the slides, and partly in the mounting of the rack on feet or pads.

My invention will be fully described hereinafter and its novel features carefully defined in the claims.

In the drawings which serve to illustrate my invention Figure 1 is a plan view of the rack, partly broken away to better disclose the construction. Fig. 2 is a side or edge view partly in section. Fig. 3 is a detail view on a larger scale that will be hereinafter described.

A is a rectangular rack-frame, which may be of wood having two like side bars, a, a , and two thinner end bars a', a' .

Mounted to move in the frame A, outward from its respective ends are two slides B, B, each carrying on its extremity a hinged support C; as these slides and supports are like in all respects, a description of one will suffice, premising that the inner ends of the slides when closed abut at the middle of the frame. The slide B is in the nature of a shallow covered box or tray with its sides removed and has a horizontal, longitudinal slot, b' , extending through its body and adapted to receive the end bars a' of the frame. It will be obvious that the slide B is in this manner so mounted upon the frame A as to permit of its being drawn out or pushed in to the extent of the length of the slot, the end bar, a' , serving as a stop as well as a guide. This construction may afford sufficient strength for ordinary use, but it is desirable to construct a rack capable of sustaining the weight of heavy contents and to accomplish this purpose I provide the slide B, at its inner end

with tongues, b^x, b^x , projecting laterally from either edge thereof. Formed in the side bars a, a , of the frame are grooves a^x, a^x , adapted to receive tongues b^x, b^x , which fit loosely and slide therein; thereby providing a second support for the slide and insuring great rigidity and strength.

Secured to the outer corners of the slide B are corner hinge plates C^x upon which the end support C is mounted. As clearly seen in the drawings and particularly in Fig. 3 the hinge plates are L-shaped and each is provided at the extremity of its longer or side arm with an inwardly projecting block, thereby forming a recess between the latter and the shorter or end arm of the plate; also projecting inward from the side arm of the plate, and into the recess is a stud c^x .

The support C may be of any suitable form, preferably ornamental, and is provided at its lower corners with laterally projecting hinge lugs, C^o, C^o , adapted to fit loosely in the respective recesses in the side arms of the hinge plates and having holes therein to receive the studs c^x , whereby the support C is mounted after the manner of a pin hinge. The hinge plates may be secured to the slide by means of screws, for which holes are provided in the plate. The hinge lug, projecting laterally beyond the plane of the support C permits the latter to be closed or turned down flat on the slide, and at the point where the lug joins the support the latter is thickened thereby forming a shoulder which strikes the hinge plate when the support is raised or turned up in use and prevents it from passing beyond the vertical.

To permit of the use of the rack on a polished surface such as a table-top for example, without damage to the latter I provide cushioned feet for the bottom of the rack. These feet are in the form of plugs and may be of felt or similar material, secured in bores in the bottoms of the frame and slides, and projecting slightly beyond them. I prefer to employ plugs for this purpose instead of disks as they form a very elastic foot and permit of secure fastening in the bores.

As herein shown the slides are of the same thickness as the side bars of the frame, their upper faces lying flush and presenting a smooth surface; this result is permitted by

the employment of thin end bars a' , and correspondingly shallow slots in the slides. The thin end bars may be mortised into the side bars, and instead of mortising the slots in the slides, these latter may be formed of two thin pieces properly distanced and secured by transverse strips between them. In Fig. 2 this construction is seen, the projecting ends of the strip at the inner ends of the slides forming the tongues b^x ; the strip at the outer end of the slide is integral with the piece b^3 of the same thickness as the slide.

I do not however limit myself to the construction shown which may be varied without departing from my invention.

Having thus described my invention, I claim—

1. As an improved article of manufacture, an adjustable rack for books and the like comprising a frame, a support at one end of said frame, a slide at its other end having in it a cross slot through which the end bar of the frame plays, said end bar, and a support on said slide, the end bar of the frame serving as a guide and stop to the movement of the said slide, substantially as set forth.

2. As an improved article of manufacture, an adjustable rack for books and the like comprising a frame, a support at one end of said frame, a slide at its other end, provided with a cross slot through which the end bar of the frame plays and having its inner end mounted in the guides in the side bars of the frame, said end bar, and a support on said slide, said end bar serving as a guide and stop to limit the movement of the slide, substantially as set forth.

3. In an adjustable rack for books and the like, the combination with a frame A com-

prising side bars a , and end bars a' , said side bars having grooves, a^x therein of slides B, provided with slots, b' , and having tongues b^x to engage the said grooves in the side bars, and supports C, hinged on said slides, substantially as and for the purposes set forth.

4. In an adjustable rack for books and the like, the combination with a frame A having side bars and end bars, and slides, mounted at their respective inner ends in guides in said side bars and provided with cross slots in which said end bars play, of supports C and their hinge plates C^x mounted on said slides, substantially as set forth.

5. In an adjustable rack for books and the like, the combination with a frame A having side bars and end bars, slides B, mounted at their respective inner ends in guides in said side bars and provided with cross slots in which said end bars play, supports C and hinge plates C^x , of cushioned feet z , secured in the under sides of said frame and slides, substantially as and for the purposes set forth.

6. In an adjustable rack for books and the like the combination with a frame provided with a support at one end and a slotted slide at its other end, the end bar of said frame, over which said slide plays, and a support on said slide, of cushioned feet z secured to the under sides of said frame and slide, substantially as and for the purposes set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

GEORGE F. SARGENT.

Witnesses:

HENRY MAMINGER,
HERBERT WILSON.