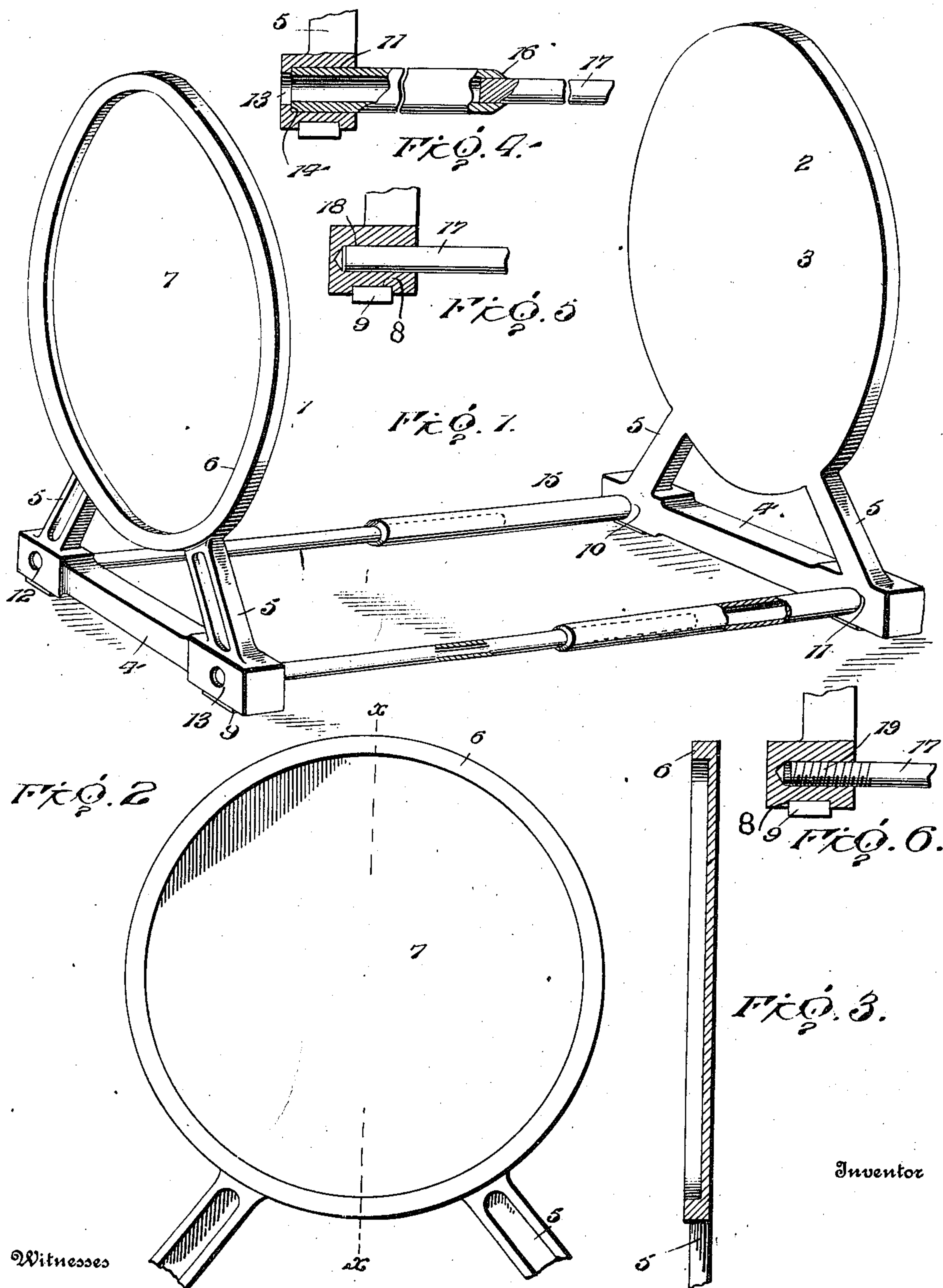


W. B. UPDEGRAFF.
 DESK BOOK RACK.
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945,877.

Patented Jan. 11, 1910.



Witnesses

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WILLIAM B. UPDEGRAFF, OF BRIDGEPORT, CONNECTICUT.

DESK BOOK-RACK.

945,877.

Specification of Letters Patent. Patented Jan. 11, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM B. UPDEGRAFF, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Desk Book-Racks, of which the following is a specification.

My invention relates to improvements in desk book racks.

The object of my invention is to provide a rack of this character so constructed and arranged that it can be adjusted to hold any desired number of books in their upright position and upon the removal of a book, or a number of books, it can be adjusted to properly support the remaining books without removing the same or injuring them in any way.

Another object of my invention is to provide a simple, cheap and more effective rack of this character.

In the accompanying drawings: Figure 1 is a perspective view of my improved rack; Fig. 2 is an enlarged end view, partly broken away; Fig. 3 is a vertical sectional view taken on the line $x-x$ of Fig. 2; Fig. 4 is a sectional view, showing the tube expanded within the end plate; Fig. 5 is a sectional view, showing a rod driven into the end plate and frictionally held; and Fig. 6 shows a screw-threaded connection between the tube or rod and the end plate.

Referring now to the drawings, 1 and 2 represent the enlarged end plates, each of which consists of an enlarged vertical and circular portion 3 connected to the horizontal base 4 by means of the arms 5, all of which are formed integral, and preferably made of a single casting, although the plates could be otherwise formed. As shown, the inner faces of the circular portion 3, arms 5 and base 4 are perfectly smooth and flush with each other, as will be hereinafter more fully described. The outer face of the circular portion is provided with an annular flange 6 which forms a depression 7, to which any ornamental design may be cemented or otherwise secured. This arrangement is especially designed to receive and hold the emblem of some college, whereby such emblem could be readily placed in the rack and the same furnished to the students of the various colleges, with the emblem of their college therein, thus producing a simple and novel device.

The lower face of the horizontal base 4 is provided with a recess 8 in which is placed the rubber blocks 9 which rest upon the desk and prevent the base from scratching the same. Each face, on its inner face and adjacent its ends, is provided with annular recesses 10 and 11 which extend nearly through the base and have communicating therewith the openings 12 and 13 which are of a diameter considerably less than that of the recesses, thus forming the shoulders 14. The tubes 15 are driven into the recesses and abut against the shoulders 14, and by means of any suitable expanding tool inserted through the openings 12 and 13 they are expanded and securely locked in the bases. The opening 10 and 11 of the plate 2 is larger than the opening in the plate 1, so as to receive tubes of different sizes and so that the tubes of plate 1 will telescope within the tube of plate 2 and thus the two plates can be adjusted close together or far apart according to the number of books to be held thereon. The friction between the telescoping tubes holding them in their adjusted position.

The tubes are so spaced apart that they form a support for the books and thus evenly support the books and prevent any tilting of the same. The outside tubes are beveled at 16 to prevent injury to the edges of the books when adjusting the rack with books thereon. In some instances it has been found preferable to use tubes in one section and rods 17 in another, and, in such case, the base is simply provided with a recess 18 and the rod 17 is driven therein and frictionally held as shown in Fig. 5. As shown in Fig. 6, the recess 18 could be screw-threaded at 19 and the rod screwed therein.

The tubes while described as being expanded within the recess in the base could be readily frictionally held or screw-threaded, as described in respect to the rod 17.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A desk book rack comprising end plates, having bases supporting the plates in a vertical position and the inner faces of the plates and bases being flush, the inner face of the bases adjacent their outer ends having recesses, and tubes expanded within said recesses, and the tubes of one base telescoping the tubes of the other base, whereby the end plates are adjustably held and the tubes serving as a support for the books.

2. A desk book rack, comprising circular end plates supported by arms upon horizontal bases, the inner faces of the plates, arms and bases being flush, the outer face of the plates having an annular flange forming a central depression to which any desired ornamental plate may be secured, the said bases having recesses in their lower faces, rubber blocks secured within said recesses, and horizontal tubes carried by the bases and telescoping each other, the outer tube having its inner face beveled.

3. A desk book rack, comprising end plates supported by arms upon horizontal bases, the inner faces of the plates, arms and bases being flush, the outer face of the plates having a flange forming a central depression in which any desired ornamental plate may be secured, the said bases having recesses in

their inner faces adjacent the ends, and tubes secured with said recesses and telescoping each other.

4. A desk book rack, comprising end plates supported upon bases, the said bases having recesses in their inner faces and openings of a diameter less than the recess in communication with the recesses from the other faces of the bases, tubes extending within the recesses and expanded through the openings, the tubes of one base telescoping with the tubes of the other base, the outer tube having a beveled end.

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

WILLIAM B. UPDEGRAFF.

Witnesses:

A. M. DEAN,
E. VERNUM.