Jan. 12, 1926. 1,569,596

W. J. WALSH

BOOKREST

Filed Feb. 27, 1925 2 Sheets-Sheet 1

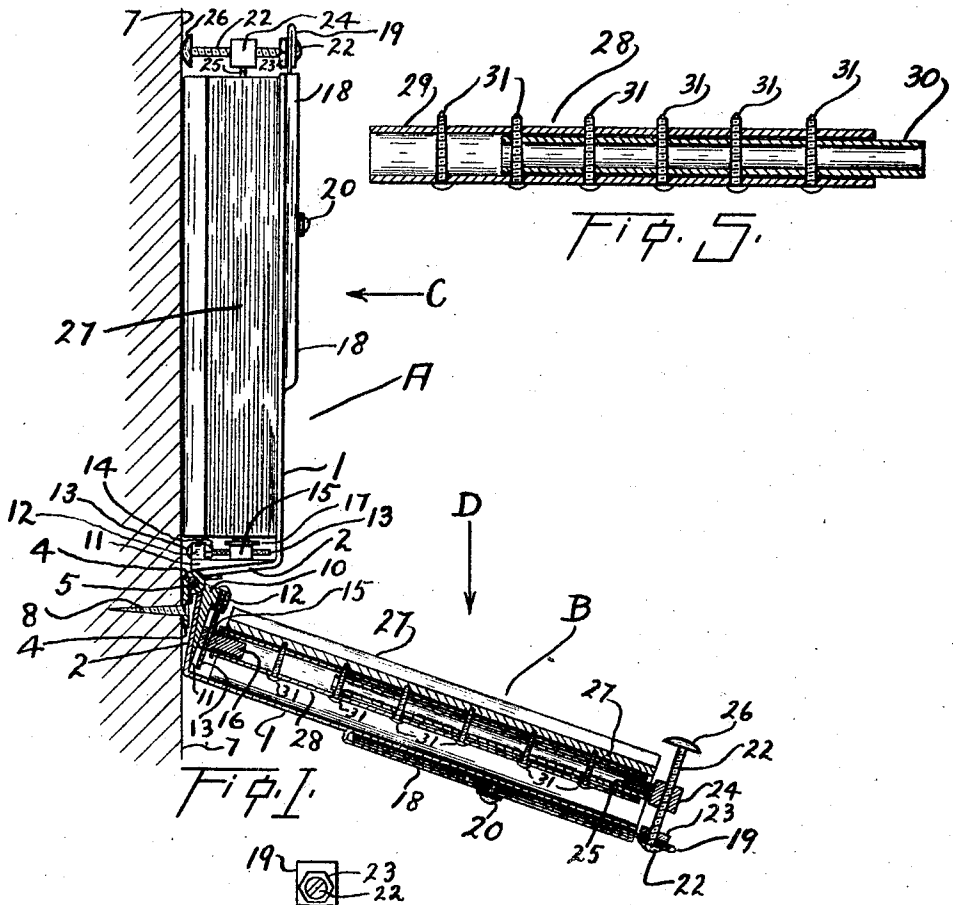


Fig. 1.

Fig. 5.

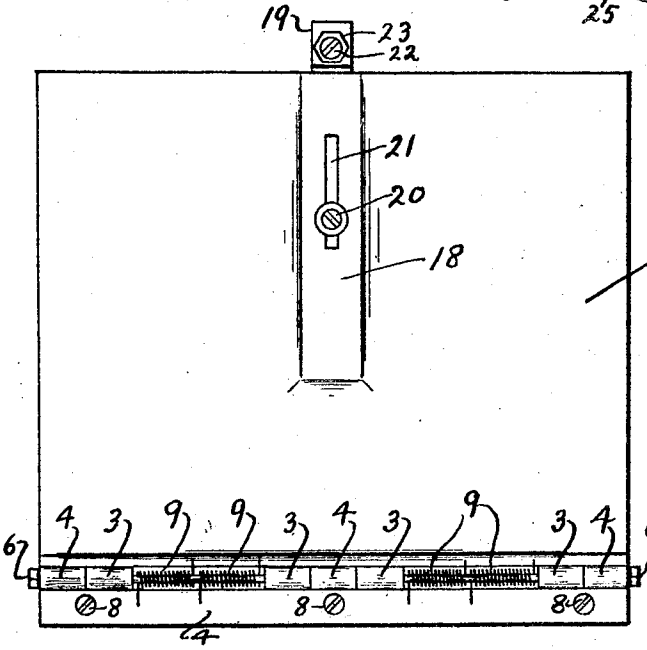


Fig. 2.

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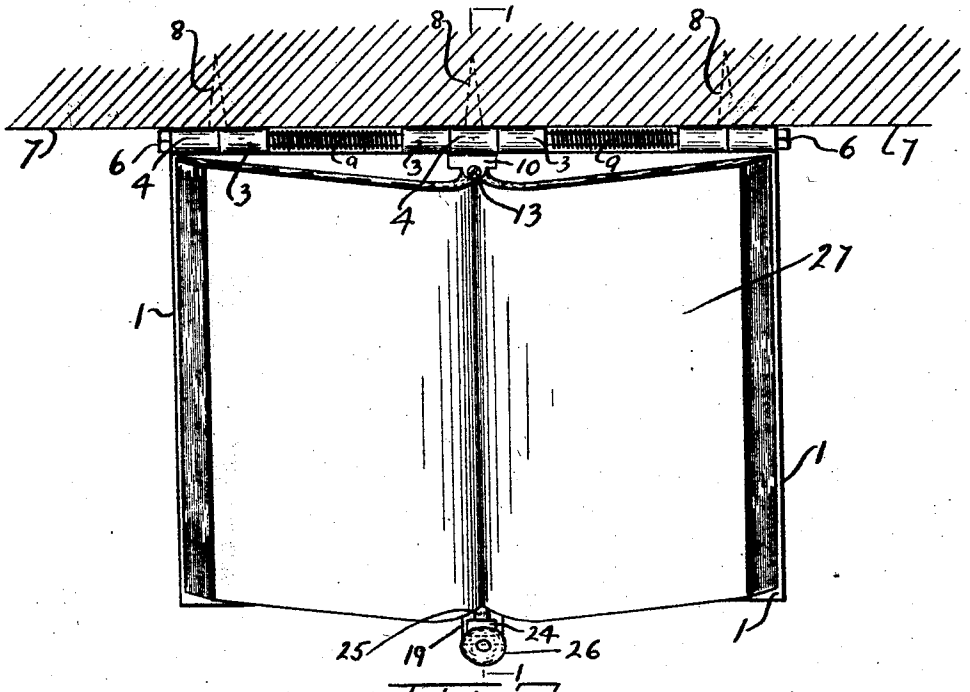


Fig. 7.

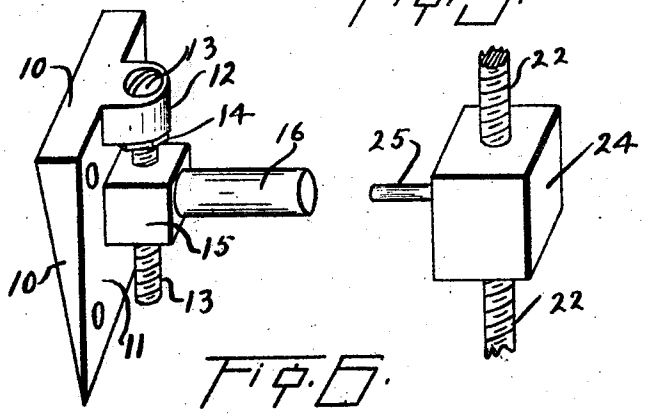


Fig. 6.

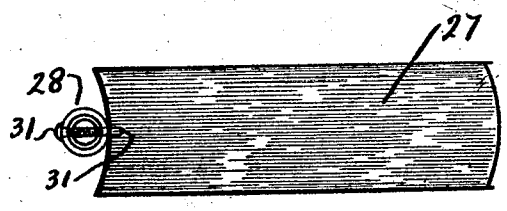


Fig. 4.

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Patented Jan. 12, 1926. 1,569,596

UNITED STATES PATENT OFFICE.

WILLIAM JAMES WALSH, OF HAMILTON, ONTARIO, CANADA.

BOOKREST.

Application filed February 27, 1925. Serial No. 12,141.

To all whom it may concern:

Be it known that I, WILLIAM JAMES WALSH, a subject of the King of Great Britain, and a resident of the city of Hamilton, in the county of Wentworth, Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Bookrests, of which the following is a specification.

My invention relates to improvements in book rests, of the type adapted for supporting comparatively large books such as city telephone directories and the like and the object of the invention is to devise such a rest which will permit the book to remain at all times in an open position and to be readily moved from a raised non-readable position, in which the book and rest are collapsed compactly against a supporting wall, to a lowered readable position; a further object is to provide such a rest which, when in the lowered position will project outwardly from the supporting wall to as small an extent as possible, thus permitting its use in confined places, such as telephone booths, where the available space is very limited; a further object is to provide a novel manner of attaching the book upon the rest so that the full opening thereof to expose the entire page at all parts of the book, is not in any way interfered with; and a still further object is to provide such a rest which may readily be adapted to accommodate books of varying size and thickness.

Further objects will appear in the course of the following specification.

My invention consists in the construction and arrangement of parts, all as hereinafter more particularly described and illustrated in the accompanying drawings, in which:—

Fig. 1 is a side view of a rest constructed in accordance with my invention showing a book mounted thereon, the raised or non-readable position being shown in side elevation at "A" and the lowered or readable position being shown in section at "B", the section being taken on the line 1—1 of Fig. 3.

Fig. 2 is a front elevation of my rest in the raised or non-readable position, looking in the direction of the arrow "C" in Fig. 1.

Fig. 3 is a top plan view of the device in the lowered readable position, looking in the direction of the arrow "D" in Fig. 1.

Fig. 4 is an end view of a book showing a novel mounting secured to the back thereof by which the book is mounted upon the rest.

Fig. 5 is a detached longitudinal section of a tubular member secured to the back of the book and forming a mounting for the book.

Fig. 6 is a detached perspective view, to an enlarged scale, of two mountings carried by my rest and engaging respectively the two ends of the tubular member shown in Fig. 5 for supporting the book within the rest.

In the drawings, like characters of reference indicate corresponding parts in the different views.

In the form illustrated, my improved book rest comprises a substantially flat rectangular sheet metal plate 1, the inner marginal edge of which is bent to form a flange 2, disposed angularly with respect to the plate 1, the angle between this flange and the plate being greater than a right angle.

The upper free edge of the flange 2 is formed into a hinge portion 3 which co-operates with a hinge plate 4.

A hinge pin 5 connects the plate 4 to the flange 2 and the ends of this hinge pin carry nuts 6.

The rest is secured to a supporting wall 7 by screws 8 which extend through orifices in the hinge plate 4.

Mounted upon the hinge pin 5 are coil springs 9 the ends of which engage respectively the face of the hinge plate 4 and the back of the flange 2. These springs operate to swing the rest upwardly into its collapsed position against the wall as shown at "A" in Fig. 1.

Secured to the flange 2 in any suitable manner, as by riveting, is a wedge 10, the face 11 of which is disposed perpendicularly to the plate 1.

This wedge is positioned centrally of the width of the rest.

At the upper end of the wedge 10 is formed a projecting lug 12 and extending freely through this lug is a screw 13 disposed perpendicularly to the plate 1 which carries a lock-nut 14 immediately below the lug.

A rectangular block 15 has threaded engagement upon the screw 13.

One face of the block 15 has a bearing against the face 11 of the wedge 10 and projecting perpendicularly from the opposite face of the block 15 is a cylindrical journal stud 16 upon which is mounted a washer 17.

Upon the under face of the plate 1 and centrally of the width thereof is formed a transverse guideway 18 in which is slidably mounted a slide 19.

The slide 19 projects outwardly beyond the outer edge of the plate 1 and carries intermediately of its length, a locking screw 20 which engages within a slot 21 in the bottom wall of the guideway 18.

By this means the slide 19 may be locked in any desired position.

At the outer end of the slide 19 is mounted a screw 22 which carries a locknut 23. This screw projects freely through the slide 19.

A block 24 has threaded engagement upon the screw 22 and projecting from one face thereof is a journal stud 25.

The upper end of the screw 22 carries a rubber bumper pad 26.

A book supported upon the rest is indicated by the numeral 27 and secured to the back of the book is a novel mounting 28.

This mounting 28 is formed from two tubes 29 and 30, the tube 30 telescopically engaging within the tube 29.

Pointed screws 31 extend through the mounting 28 from one side thereof and project beyond the other side.

The projecting ends of these screws 31 engage within the back of the book 27 centrally thereof (see Fig. 4) and serve to secure the mounting firmly upon the book.

The screws 31 are equally spaced apart and it will be clear that by altering the position of the tube 30 with respect to the tube 29, the length of the mounting 28 may be adjusted for books of different length.

The book is attached upon the rest as follows:—

The screw 20 is loosened and the slide 19 is pulled outwardly.

The journal stud 16 is then engaged within one end of the mounting 28 and the slide 19 is pushed inwardly so that the journal stud 25 engages within the other end of the tubular mounting 28. The lock-nut 20 is then tightened thus securing the slide in position rotatably supporting the mounting 28 upon the journal studs 16 and 25.

It will be understood that the blocks 15 and 24 may be adjusted by means of the screws 13 and 22 perpendicularly with respect to the plate 1, so that the position of the journal studs 16 and 25 above the plate 1 may be adjusted to suit the thickness of the particular book being used.

It will be observed that the mounting 28 is rotatably supported upon the journal studs 16 and 25.

The strength of the springs 9 may be made sufficient to counterbalance the weight of the rest and book so that the rest will remain either in the raised or lowered position shown at "A" or "B" in Fig. 1 when it is moved into either of these positions.

The lower or readable position is illustrated at "B" in Fig. 1 and when in this position the hook 27 is supported upon the rest and may remain open at any desired page.

Due to the novel mounting 28 and the manner of securing it upon the book, the full opening of the book at any page is not in any way interfered with, so that any printed matter which may extend close into the binding will be clearly exposed and easily readable. This is an important feature as ordinarily the mountings used interfere seriously with the full opening of the book.

The rest may be collapsed into its raised position with the book remaining open at any page, the collapsed or raised position being indicated at "A" in Fig. 1.

An important feature of my rest is that when lowered into the readable position, the extent to which it projects beyond the supporting wall 7 is only slightly greater than the length of the book itself. This is due to the novel manner of constructing the rest and attaching it to the wall.

By making the angle between the flange 2 and the plate 1 slightly greater than a right angle, the rest in its lowered position slopes slightly downwardly beyond the horizontal thus giving a very convenient readable position.

My improved rest is particularly suitable for use in telephone booths where the space available is very limited thus making it essential that, when in the lowered position, the rest projects from a wall as small a distance as possible.

By means of the adjustment provided for the blocks 15 and 24 perpendicularly to the plate 1, the rest may be adjusted to take books of varying thicknesses and also by providing for the adjustment of the length of the mounting 28, books of various lengths may be accommodated.

From the foregoing it will be apparent that I have devised valuable improvements in devices of the class described whereby the objects of my invention have been attained.

Various modifications may be made in my invention without departing from the spirit thereof or the scope of the claims and therefore the exact forms shown are to be taken as illustrative only and not in a limiting sense and I desire, that only such limitations shall be placed thereon as are imposed by the prior art or are specifically set forth in the appended claims.

What I claim as my invention is:

1. A book rest comprising a flat plate, an angularly disposed flange along one edge thereof, a hinge carried by said flange along the edge thereof remote from said plate for

attaching the rest to a supporting wall, a spring operatively associated with said hinge, opposed, aligned journals supported respectively adjacent to the aforesaid flange and the edge of the plate remote from said flange, said journals disposed intermediately of the width of the rest and in spaced relation above the plate, screw means for adjusting the journals perpendicularly to the plate, means permitting adjustment of one of the journals axially, a rigid member rotatably supported between said journals, and spaced apart screws projecting through said rigid member from one side thereof and adapted to engage the back of a book to be carried by the rest.

2. A book rest comprising a flat plate, one marginal edge of which is bent to form an angularly disposed flange along that edge of the plate, a hinge carried by the free edge of said flange for attaching the rest to a supporting wall, a wedge secured to the flange intermediately of the width of the plate, and outer face of said wedge disposed perpendicularly to the plate, a projecting lug formed at the upper end of the wedge, a screw extending downwardly through said lug and disposed perpendicularly to the plate, a block having threaded engagement upon said screw, one face of said block bearing against the face of the wedge, a journal stud projecting perpendicularly from the opposite face of the block, a second screw projecting upwardly from the plate diametrically opposite the aforesaid wedge, a block having threaded engagement thereon, a journal stud projecting from said block, a tubular member rotatably supported between said journal studs and book securing means carried by said tubular member.

WILLIAM JAMES WALSH.