Aug. 11, 1953 D. F. SHEA 2,648,155

COLLAPSIBLE BOOKSTAND

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Fig. 1.

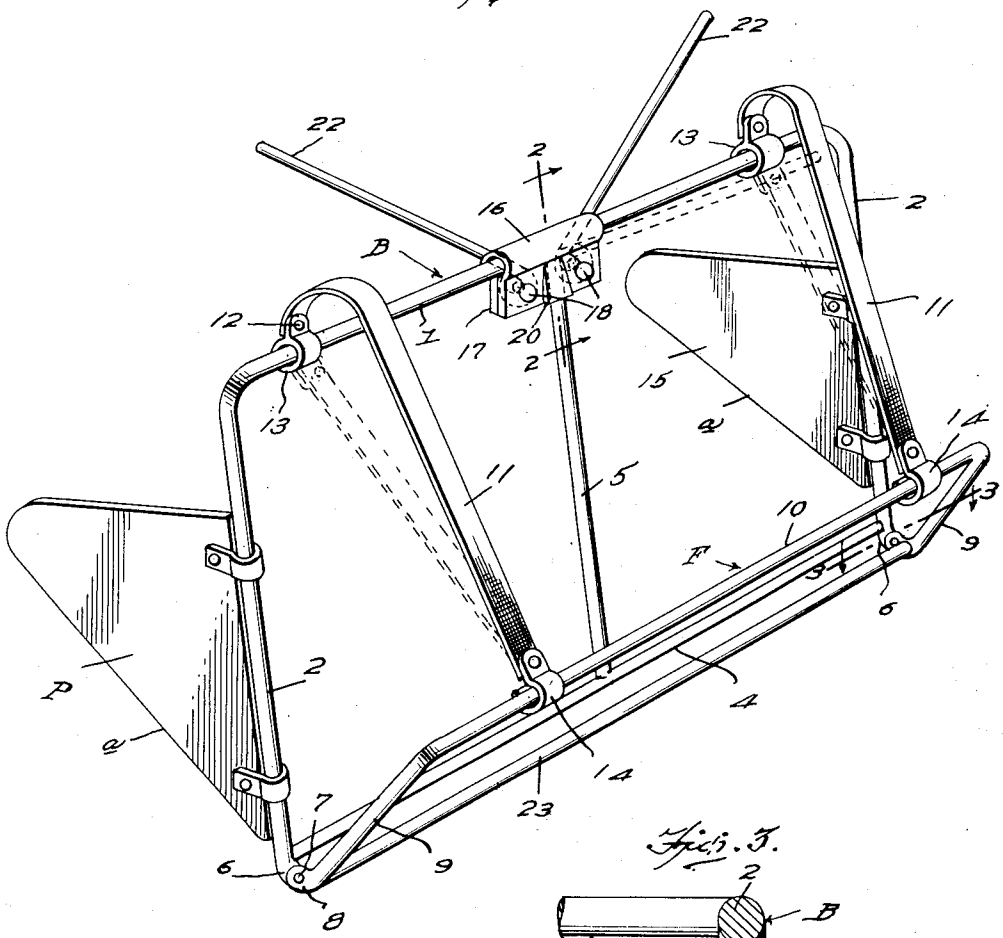


Fig. 2.

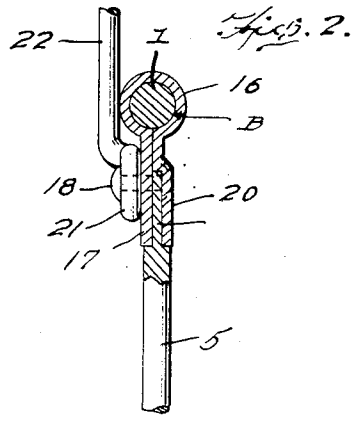
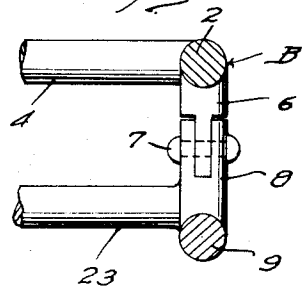


Fig. 3.



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COLLAPSIBLE BOOKSTAND

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2 Claims. (Cl. 45—80)

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This invention relates to a collapsible book stand and it is an object of the invention to provide an article of this kind that can be readily compacted to occupy a minimum of space when not in use.

Furthermore, it is an object of the invention to provide a device of this kind that can be effectively supported in position for use and wherein means are provided to hold the leaves of a book in open position.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved collapsible book stand whereby certain advantages are attained, as will be hereinafter more fully set forth.

In order that my invention may be better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:

Figure 1 is a view in perspective of a book stand constructed in accordance with an embodiment of the invention and in adjustment for use, the bands for use with the leaves of a book being shown in full lines as if engaged over the leaves to hold the same in open positions, the dotted lines indicating such bands when not in use;

Figure 2 is an enlarged detail sectional view taken substantially on the line 2—2 of Figure 1; and

Figure 3 is an enlarged detail sectional view taken on the line 3—3 of Figure 1.

In the embodiment of the invention as illustrated by the accompanying drawings, B denotes a back frame of desired dimensions and comprising a straight top bar 1 terminating in the side bars 2 disposed in the same direction and substantially in parallelism. The lower or free end portions of the side bars 2 are connected by the interposed spacer bar 4 and the central portions of the bars 1 and 4 are connected by the interposed bar 5.

The lower extremities of the end bars 2 are provided with outstanding lugs 6 substantially perpendicular thereto and to each of which is pivotally connected by a rivet 7 or the like a lug 8 extending inwardly from and substantially at right angles to the lower extremity of a side bar 9 of a bottom rest or frame R. The bar 9 is in continuation of a top bar 10. The frame or rest R can be readily swung inwardly to the back frame B and closely adjacent thereto when the device is compacted and said frame or rest R is maintained in extended or working position by

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the bands 11. When in extended position for use the rest or frame R is disposed on an upward and outward incline with respect to the back frame B as clearly shown in Figure 1 of the drawings.

Each of the bands 11 has an end portion secured as at 12 to a collar 13, preferably of plastic, snugly but slidably mounted on the bar 1. The opposite end of the band 11 carries a hook member 14 for engagement at will with the bar 10 of the rest or frame R.

The bands 11 are elastic so that they can be readily disposed over the pages of an open back supported by the rest or frame F and automatically maintain close contact therewith.

The collars 14 may be readily slid along the bar 1 to assure proper positioning of the bands 11 with respect to the book.

Freely engaged with the side bars 2 of the back frame B are the collars 15 extending outwardly from the supporting plates P of duplicate design and dimensions. The bottom or contacting edge *a* of each of the plates P is on such an angle with respect to the associated bar 2 as required to support the back frame B on a desired rearward tilt.

Tightly surrounding the central portion of the top bar 1 of the frame F is an elongated split sleeve 16, the longitudinal margins of which being continued by the overlying and outstanding flanges 17 maintained in close contact by the rivets 18 at opposite sides of the bar 5 of the frame F. The flanges 17 provide the means for holding the upper portion of the bar 5 and which upper portion is flattened as at 19 (Figure 2) to snugly fit within a downwardly open pocket 20 formed by outwardly pressing the central portion of one of the flanges 17.

Each of the rivets 18 is also disposed through an eye 21 provided at one extremity of an elongated rod 22. This rod can be readily swung inwardly within the field of the frame F when not in use or swung outwardly above the frame F as desired to provide additional support for magazines and the like when required by the necessities of practice.

While the invention is not to be limited in any way as to dimension, it is preferred that the device be of a length less than the width of the general run of books.

Interposed between and secured to the lower end portions of the side posts 9 of the frame F is a spacer bar 23.

From the foregoing description it is thought to be obvious that a collapsible book stand con-

structed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated.

I claim:

1. In a collapsible book stand, an open elongated rectangular main frame, a bar connecting the upper and lower sides of said frame at its center, substantially triangular supports each having a side edge thereof hingedly connected with the vertical end portions of said frame to hold the latter in a rearwardly inclined position when they are swung into substantially right angular relation with respect to the back of the frame, a second narrower frame of equal length to that of said main frame hingedly connected at the corners of one of its sides to the corners at the lower side of the main frame, and spaced strap members extending between and connecting the top sides of said frames together in a manner to support said second frame in a forwardly and upwardly inclined position relatively to said main frame, said strap members being

slidably adjustable relatively to each other and to said frames.

2. The book stand as defined in claim 1, with a split sleeve straddled over the center of the upper side of said main frame and the upper end of said bar, rivets engaged through the split portions of said sleeve to clamp the latter in position, and an arm pivotally connected with each of said rivets to be swung to positions to lend support to reading matter of varying sizes.

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References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,396,700	Greenwood	Nov. 8, 1921
2,388,771	Thompson	Nov. 13, 1945

FOREIGN PATENTS

Number	Country	Date
60,482	Switzerland	Dec. 6, 1912
652,333	France	Oct. 22, 1928
660,903	France	Feb. 26, 1929