

June 24, 1947.

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2,422,877

BOOK HOLDER

Filed July 12, 1944

2 Sheets-Sheet 1

Fig. 1.

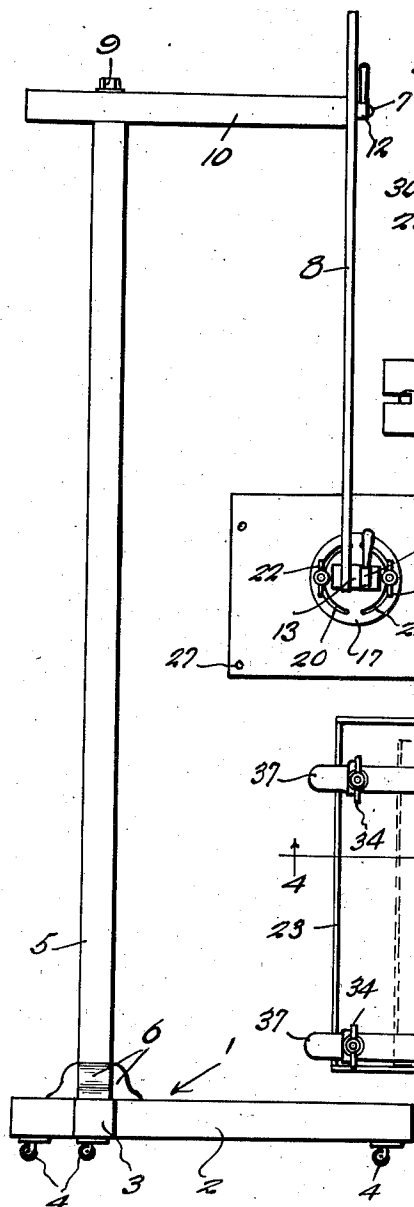


Fig. 4.

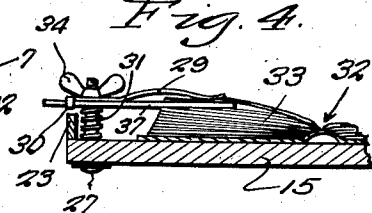


Fig. 5.

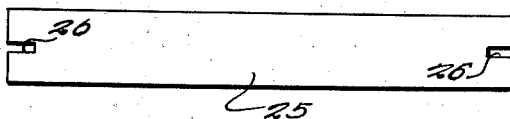
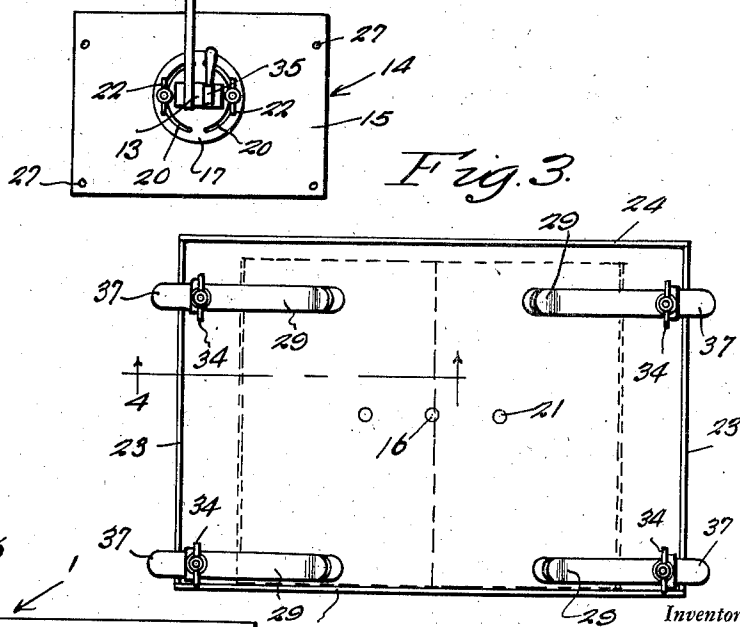


Fig. 3.



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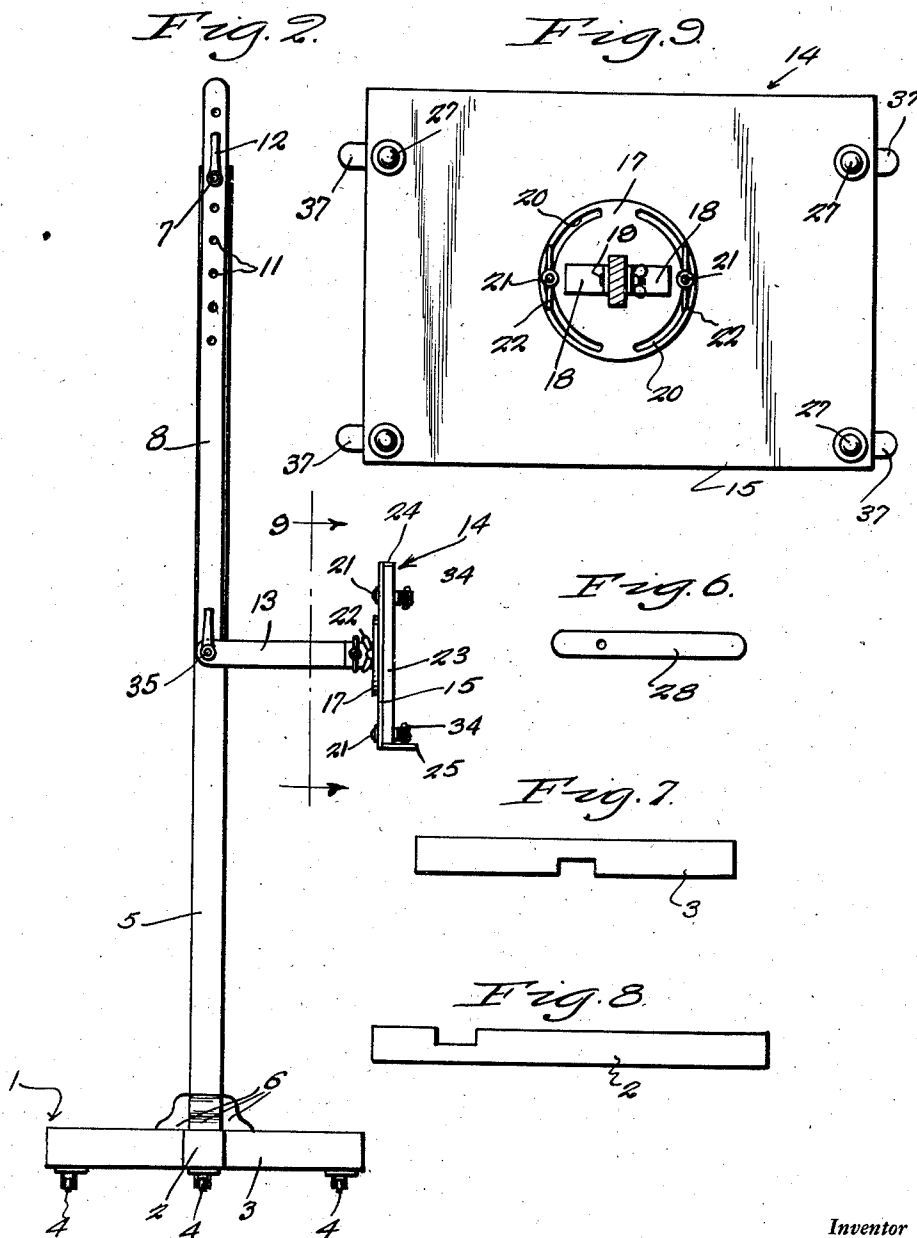
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BOOKHOLDER

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2 Claims. (Cl. 45—80)

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The present invention relates to new and useful improvements in book holders, and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which is capable of substantially universal adjustment, whereby a book may be comfortably read from various positions while sitting in a chair or lying in bed.

Another very important object of the invention is to provide an adjustable holder of the aforementioned character which embodies unique means for securing the pages of an open book.

Other objects of the invention are to provide a book holder of the character described which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, light in weight and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is an elevational view of a book holder constructed in accordance with the present invention.

Figure 2 is an elevational view of the device, taken at right angles to Figure 1.

Figure 3 is a view in front elevation of the book rest.

Figure 4 is a fragmentary view in section, taken substantially on the line 4—4 of Figure 3.

Figure 5 is a detail view in plan of the relatively wide lower member of the frame of the book rest.

Figure 6 is a detail view in elevation of one of the leaf-retaining fingers.

Figures 7 and 8 are detail views in side elevation of the crossed base bars.

Figure 9 is a view in back elevation of the book rest.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a base 1 of wood or other suitable material. The base 1 includes comparatively long and short crossed bars 2 and 3, respectively, having mounted beneath their end portions casters 4. Rising from the base 1 is a standard 5. Braces 6 are provided for the standard 5 on the base 1.

Pivotally secured at 9 for horizontal swinging adjustment on the upper end of the standard 5 is an arm 10. Projecting longitudinally from

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the forward end of the arm 10 is a threaded shank 7. A hanger 8 is pivotally suspended from the shank 7. The shank 7 is engageable selectively in spaced openings 11 provided therefor in the upper portion of the hanger 8 to facilitate vertical adjustment of said hanger. A hand nut 12 is threaded on the shank 7 for retaining the hanger 8.

Pivotally mounted for vertical swinging adjustment on the lower end portion of the hanger 8 is an arm 13. A book rest 14 is mounted for rotary and swinging adjustment on the free end of the arm 13.

The rest 14 includes a rectangular plate 15 of suitable dimensions and material. The plate 15 is pivotally secured at 16 for rotation on a disc 17. Secured on the back of the disc 17 is a pair of spaced, opposed angular brackets 18. The free end portion of the arm 13 is pivotally secured at 19 between the brackets 18.

The disc 17 has formed therein diametrically opposite, arcuate slots 20. Bolts 21 in the plate 15 are operable in the slots 20. Wing nuts 22 are threaded on the bolts 21 and engageable with the disc 17 for securing the plate 15 in adjusted position against rotation on said disc.

The book rest 14 still further includes a frame mounted on the marginal portions of the plate 15 and projecting forwardly therefrom. This frame comprises a pair of side members 23, a top member 24 and a comparatively wide bottom member 25 which projects forwardly beyond the members 23 and 24. The forwardly projecting portion of the member 25 has extending longitudinally therein from the ends thereof slots 26.

Bolts 27 are anchored in the corner portions of the plate 15 and project forwardly therefrom. Fingers 37 of resilient wood are loosely mounted at an intermediate point on the bolts 27. Mounted longitudinally on the wooden fingers 37 are auxiliary metallic fingers 29 in the form of leaf springs. The bolts 27 pass through the fingers 29. The fingers 29 are provided, on one end portion, with lateral tongues 30 which are bent around the fingers 37 for securing said fingers 29 in position thereon. Coiled springs 31 encircle the bolts 27 and are engaged beneath the fingers 37 for yieldingly resisting downward movement thereof.

It is thought that the operation of the device will be readily apparent from a consideration of the foregoing. Briefly, to mount a book, as at 32, on the rest 14, the fingers 37, with the fingers 29 thereon, are swung upwardly to a sub-

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stantially vertical position. When this is done, the slots 26 in the lower member 25 accommodate the pivoted end portions of the lower fingers 37. The book 32 is placed in position on the plate 15 and the fingers 37 are swung to operative position over the leaves 33 of said book. This is shown to advantage in Figure 5 of the drawings. Wing nuts 34 on the upper portions of the bolts 27 are then adjusted to clamp the fingers 37 on the book under the desired pressure. An additional grip may be had for assisting in holding the book under certain conditions by engaging some of the leaves 33 between the fingers 29 and 37.

The rest 14 with the book 32 therein may be pivotally adjusted to any desired position at 19 on the arm 13. By loosening the wing nuts 32, the plate 15 may be rotatably adjusted to any desired position on the disc 17. Various other adjustments may be readily had at 9, 7 and 35 in the supporting structure for the book rest 14. It will thus be seen that a construction and arrangement is had which will permit virtually any adjustment to meet all conditions.

It is believed that the many advantages of a book holder constructed in accordance with the present invention will be readily understood, and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

1. A book holder of the character described comprising a base, a standard rising from said base, a horizontal arm pivotally mounted for horizontal swinging adjustment on the upper end of the standard, a hanger, said hanger having spaced openings therein, a shank projecting longitudinally from the free end of the arm and engageable selectively in the openings for pivotally and vertically adjustably mounting the hanger on the arm, an arm pivotally mounted for vertical swinging adjustment on the lower portion of the hanger, a plate mounted for rotary adjustment on the free end of the second-named

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arm, and means for securing a book in position on said plate.

2. A book holder of the character described comprising a base, a single, vertical standard supported by said base, a horizontal arm pivotally mounted at its inner end upon the upper end of the standard, means securing said horizontal arm to said standard in adjusted position in a horizontal plane, said horizontal arm having an axially extending pivot at its outer end, a hanger having spaced openings at its upper end, selectively engageable upon said axial pivot and depending in a vertical plane from said horizontal arm, means to rigidly secure the hanger to the horizontal arm in adjustable positions, a second arm pivoted at the lower end of the hanger for movement relative to the hanger in an axial plane of the hanger, means adjustably and rigidly securing the second arm to the hanger and a book support attached to said second arm by a first means pivoted thereto for movement in an axial plane of the second arm and by a second means associated with said first means to effect rotary adjustment of the support in planes perpendicular to aforementioned axial plane of the second arm.

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REFERENCES CITED

30 The following references are of record in the file of this patent:

UNITED STATES PATENTS

35	Number	Name	Date
	1,111,607	Nyberg	Sept. 22, 1914
	1,299,374	Miller et al.	Apr. 1, 1919
	1,427,074	Davis	Aug. 22, 1922
	689,758	Shaw	Dec. 24, 1901
40	1,307,945	Welch	June 24, 1919
	1,945,931	Boyle	Feb. 6, 1934
	2,090,346	DeVore	Aug. 17, 1937
	438,856	Muller	Oct. 21, 1890
	1,037,140	French	Aug. 27, 1912
	1,244,320	Gonnella	Oct. 23, 1917
45	1,590,726	Corsgren	June 29, 1926
	1,974,012	Busby	Sept. 18, 1934