J. A. NAKONEY.

BOOK HOLDER.

APPLICATION FILED JAN. 11, 1921.

1,392,200.

Patented Sept. 27, 1921.

3 SHEETS—SHEET 1.

Fig. 1.

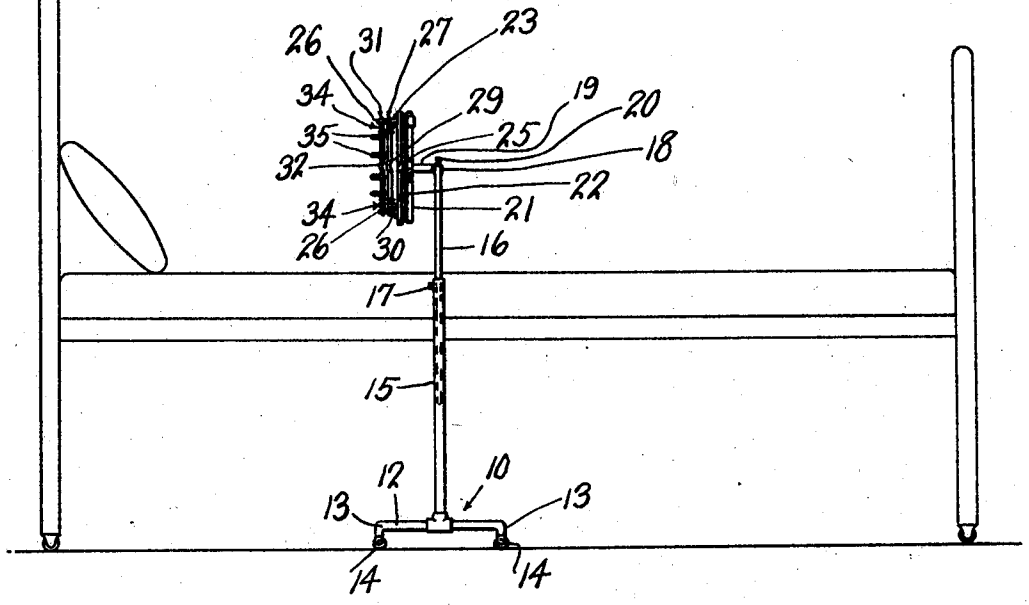
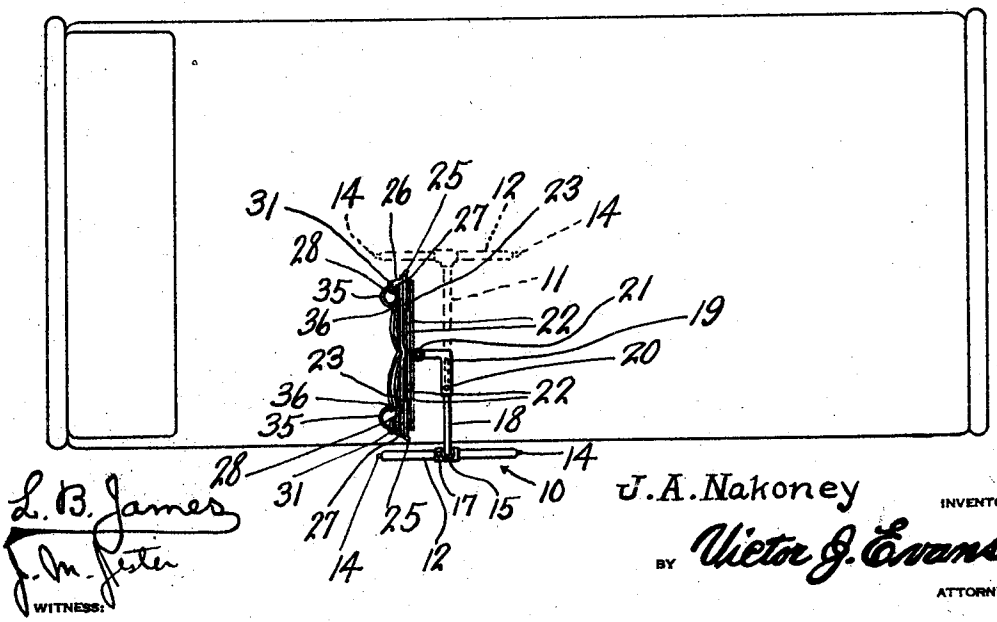


Fig. 3.



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3 SHEETS—SHEET 2.

Fig. 2.

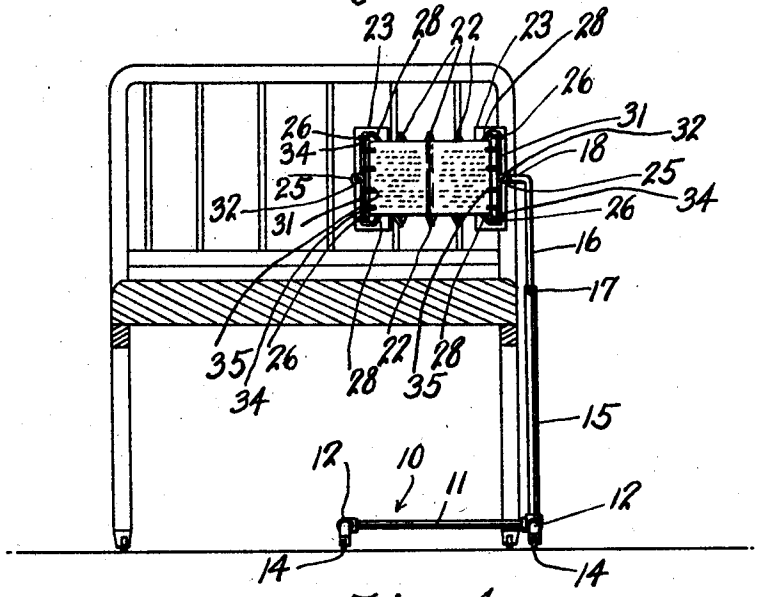
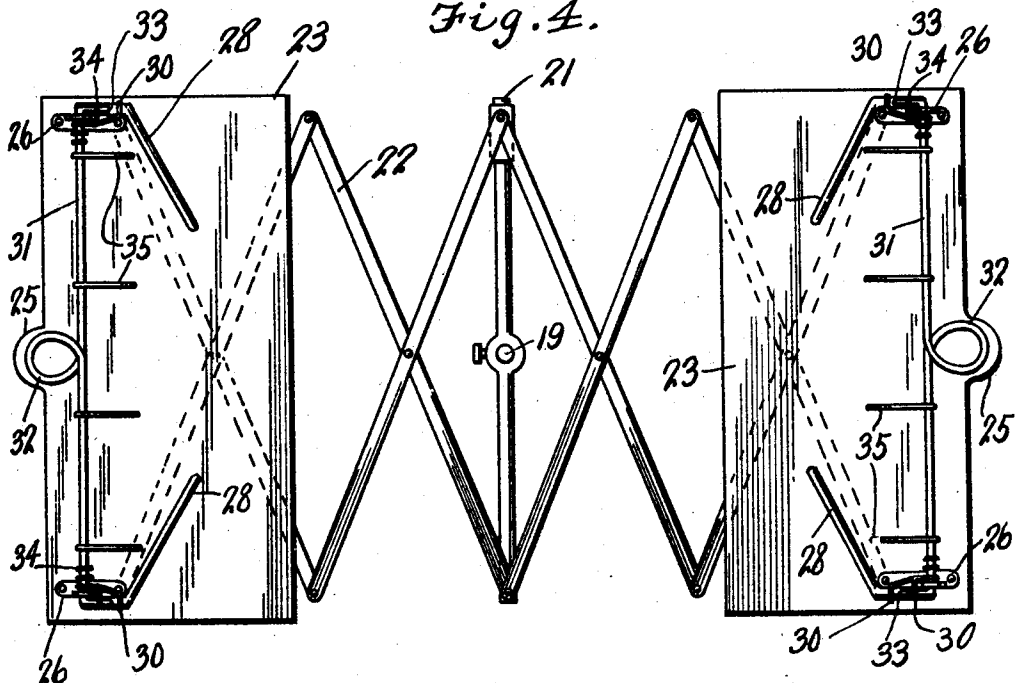


Fig. 4.



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3 SHEETS—SHEET 3.

Fig. 5.

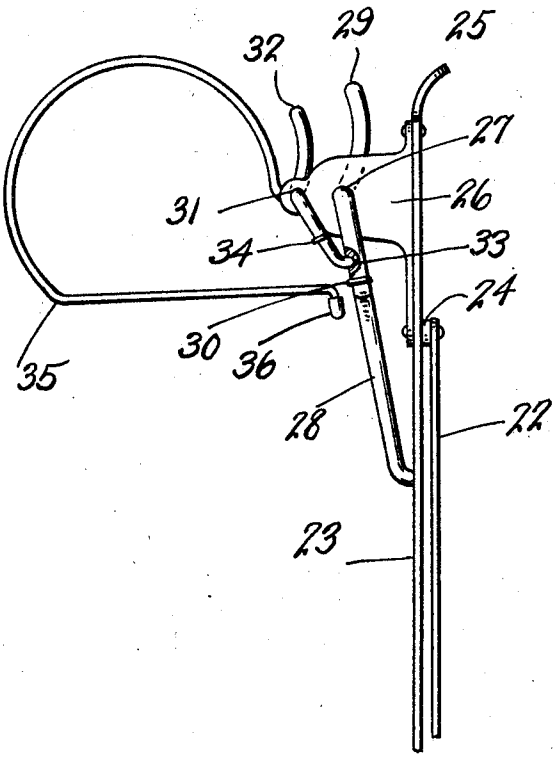


Fig. 6.

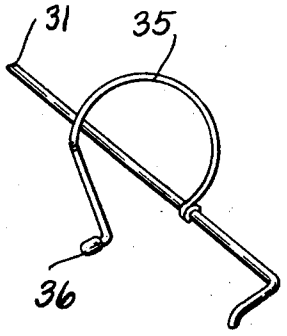
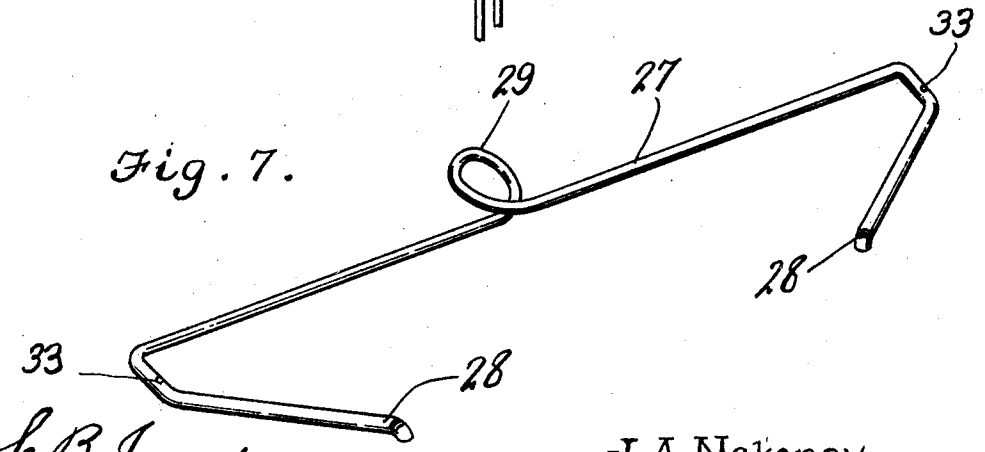


Fig. 7.



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UNITED STATES PATENT OFFICE.

JOHN A. NAKONEY, OF MARYSVILLE, MICHIGAN.

BOOK-HOLDER.

1,392,200. Specification of Letters Patent. Patented Sept. 27, 1921.

Application filed January 11, 1921. Serial No. 436,476.

To all whom it may concern:

Be it known that I, JOHN A. NAKONEY, a citizen of the United States, residing at Marysville, in the county of St. Clair and State of Michigan, have invented new and useful Improvements in Book-Holders, of which the following is a specification.

This invention relates to supporting stands and has for its object the provision of a device for holding a book in open position so that it may be read with comfort and without any necessity for holding the pages, the holder proper being mounted upon an adjustable stand which may be set at a bedside if desired so that a person may read while lying down.

An important object is the provision of a device of this character which is adjustable to hold a book of any size and which is provided with means for clamping the covers of the book, and independent means for clamping the pages so as to hold the book open at any desired place, these different holding means being quickly and easily releasable when desired.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, easy to adjust, highly efficient and labor saving in use, durable in service, and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed and illustrated in the accompanying drawings in which—

Figure 1 is a side elevation of my device showing it in position beside a bed,

Fig. 2 is an elevation at right angles to Fig. 1,

Fig. 3 is a plan view,

Fig. 4 is an enlarged plan view with the book removed,

Fig. 5 is an enlarged fragmentary elevation showing the clamping means in detail, and

The remaining figures are detail views.

Referring more particularly to the drawings, I have shown my device as comprising a supporting stand which includes a base portion 10 formed for example of pipe sections connected by suitable couplings and including a longitudinal member 11 which connects the cross members 12 which have down-turned ends 13 provided with casters 14. Rising from this base member 10 is a tubular upright 15 within which is telescopically engaged a rod 16 held in adjusted position as by a suitable set screw 17 passing through one side of the member 15. At its upper end the rod 16 is bent at right angles to define a horizontal arm 18 upon which is rotatbly engaged an L-shaped tubular support 19 adapted to be held in rotatably adjusted position by a suitable set screw 20. This stand above described is designed to be placed upon the floor at the side of a bed or chair and may be adjusted as to height as will be readily observed. Owing to the provision of the casters it is of course apparent that the device may be readily moved from place to place where its use may be desired.

Secured upon the upper end of the L-shaped member 19 is a book support comprising a central bar 21 at the ends of which are secured the endmost links of a pair of lazy tongs 22 which have their outermost links pivotally connected with metal plates 23. Suitable brackets 24 are provided for the connection of the lazy tongs with the plates 23. Each plate 23 is provided centrally of its outer edge with a projection 25. It will be apparent that the plates 23 may be moved close together or far apart, depending upon the size of the book which it is desired to hold.

Secured upon each plate 23 near the ends thereof are upstanding brackets 26 and through each pair of brackets is journaled a rod 27 having angularly bent ends 28 adapted to engage the cover of the book. Intermediate its ends each rod 27 is coiled upon itself to provide a handle 29 disposed immediately above the projection 25 of the plate. Secured upon each plate 23 are coil springs 30 which are coiled about the rod 27 at the ends thereof and which have their other ends engaging the arms 28, the purpose of these springs being to tend to rotate the rod 27 in such a direction as to hold the arms 28 in firm engagement with the covers of the book. By grasping the projections 25 and the handles 29 and pressing the latter toward the former, the arms 28 will be moved out of clamping engagement with the book covers so to permit removal of the book.

In order that the book may be held open with any desired page exposed to view, I provide a rod 31 journaled through each

pair of bracket 26 and having its intermediate portion coiled to provide a handle 32 located immediately above and in spaced relation to the handle 29. The end portions of the rod 31 are bent at right angles and engage within recesses 33 in the upper edges of the arms 28. A coil spring 34 similar to the spring 30 is provided at each end of each rod 31. Secured to the rod 27 at spaced points are upwardly extending reflexly curved spring fingers 35 which have their free ends preferably covered with rubber pads as indicated at 36, and the function of these spring fingers is to hold the book open at any desired place, the rubber pads preventing slipping.

In the use of the device the book is placed upon the plates 23 with the covers engaged between the plates and the arms 28, it being of course necessary that the arms 28 be raised to permit the insertion of the book covers therebeneath. The plates 23 are moved of course the proper distance apart to permit the proper positioning of the cover, after which the plates may be moved together as closely as possible. The operator then presses upon the handles 32 to swing the spring fingers upwardly so that the book may be opened to the proper place with the exposed pages engaged beneath the rubber pads 36. When it is desired to turn a page it is merely necessary that the operator depress the handle 32 to lift the spring fingers, whereupon the page may be turned, after which the handle is released. When it is desired to remove the book entirely it is merely necessary that the operator press the handles 29 downwardly toward the projections 25, whereupon the arms 28 will release the book covers and the spring fingers 35 will be moved upwardly owing to the fact that the ends of the rod 31 engage the arms 28.

From the foregoing description and a study of the drawings it will be apparent that I have thus provided a simply constructed and readily adjustable book holder which will very effectively operate to hold a book open so that it may be read with the utmost ease without necessitating holding of the pages. It is to be noted also that the stand is adjustable as to height and that the book holder proper is angularly adjustable so that the book may be held in inclined position at any desired angle.

While I have shown and described the preferred embodiment of my invention, it is of course to be understood that I reserve the right to make such changes in the form, construction, and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. A device of the character described comprising a supporting standard, an elongatable book support proper carried by said standard, clamping means carried by said book support engageable with the covers of a book disposed thereon, and clamping means engageable with the exposed pages of the book when the latter is in open position, said last named clamping means being operable independently of the first named clamping means, and means for simultaneously releasing both clamping members.

2. A device of the character described comprising a supporting standard, an elongatable book support proper carried by said standard, clamping means carried by said book support engageable with the covers of a book disposed thereon, and clamping means engageable with the exposed pages of the book when the latter is in open position, said last named clamping means being operable independently of the first named clamping means, and both clamping means being simultaneously released when the first named clamping means is released.

3. A device of the character described comprising a supporting standard, a bar carried by the upper end thereof, a pair of lazy tongs having their innermost links pivotally connected with said bar, plates pivotally connected with the outermost ends of the lazy tongs, a pair of brackets on each plate, a rod journaled through each pair of brackets and provided intermediate its ends with a handle and having its ends formed as angularly extending arms engageable with the covers of a book, spring means urging said arms into clamping engagement, a second rod journaled through each pair of brackets above the first named rod and having a handle above and spaced from the first named handle, and spring fingers carried by each of said second named rods and engageable with the exposed edges of a book when the latter is in open position.

In testimony whereof I affix my signature.

JOHN A. NAKONEY.