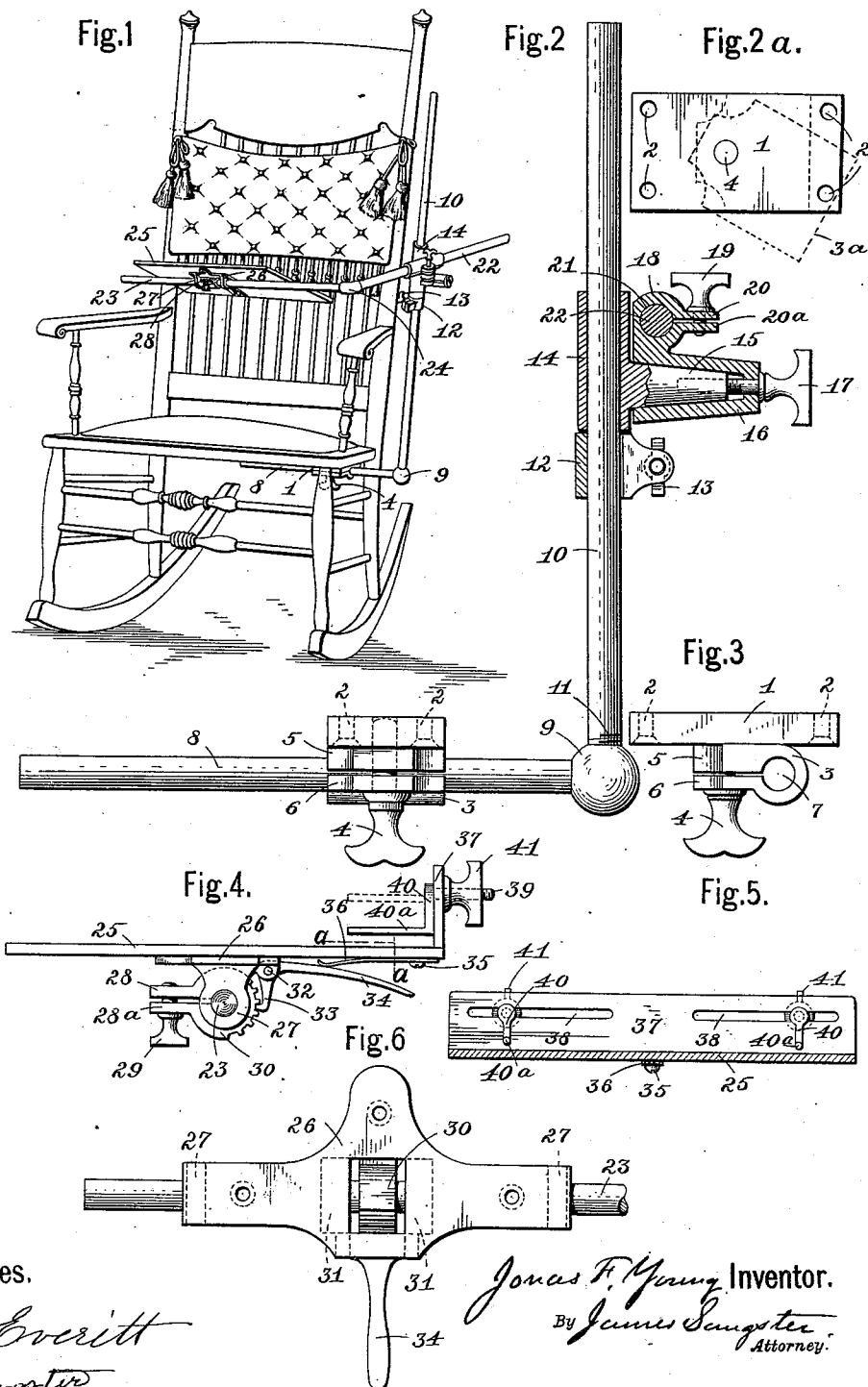


(No Model.)

J. F. YOUNG.
ADJUSTABLE BOOK REST.

No. 546,570.

Patented Sept. 17, 1895.



Witnesses.

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UNITED STATES PATENT OFFICE.

JONAS F. YOUNG, OF NIAGARA FALLS, NEW YORK.

ADJUSTABLE BOOK-REST.

SPECIFICATION forming part of Letters Patent No. 546,570, dated September 17, 1895.

Application filed March 29, 1895. Serial No. 543,777. (No model.)

To all whom it may concern:

Be it known that I, JONAS F. YOUNG, a citizen of the United States, residing at Niagara Falls, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Adjustable Book-Rests, of which the following is a specification.

My invention relates to a new and useful portable book-rest adapted to be readily attached to or removed from a chair, bedstead, lounge, or other suitable article. It also relates to certain details of construction, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective elevation of a chair showing my improved book-rest attached thereto. Fig. 2 is an enlarged front elevation of the holding-clamp and that portion adapted to be attached to the under side of a bed-rail, lounge, or seat of a chair, showing also a side elevation of a portion of the book-supporting bracket and a sectional elevation of the holding portions connected with it. Fig. 2^a represents a top view of the device or that part adapted to be secured to the under side of a chair, seat, or other article, and showing by dotted lines the clamping device below it for securing and holding the lower horizontal portion of the bracket. Fig. 3 represents a side elevation of the device shown in Fig. 2^a. Fig. 4 represents an end or narrow side elevation of the book-rest and the mechanism for adjusting and holding it. Fig. 5 is a front elevation of the back portion of the book-rest, showing also a vertical longitudinal section through the book-rest on or about line *a a*, Fig. 4. Fig. 6 represents an enlarged plan view of the device secured to the under side of the book-rest and adapted to be adjusted on the book-rest holding-bracket.

Referring to the drawings in detail, 1 represents a metal plate adapted to be secured to the under side of a chair-seat, for instance, or any other suitable article of furniture, to which it may be secured by means of screws which pass through the screw-holes 2 into the article to which it is fastened.

To the under side of the plate 1 is secured

a clamping device 3 by means of a thumb-screw 4, which passes through the clamping-jaws 5 and 6 and screws into the plate 1. (See Figs. 2, 2^a, and 3.)

The clamping device 3 can be made to turn to any desired angle on the under side of the plate 1, substantially as shown by the dotted lines 3^a in Fig. 2^a, and when adjusted at the desired point or angle it can be tightened by the thumb-screw 4. This clamping device 3 is provided with a circular opening 7, through which the lower substantially-horizontal portion 8, forming the lower or first member of the holding-bracket passes, and is thereby made adjustable horizontally or in an angular direction, and may then be secured at the required adjustment by the thumb-screw 4.

The substantially horizontal portion 8 of the bracket is provided at its outer end with a ball 9 or other suitable device, into which is secured by a screw portion or other well-known means a substantially upright bar 10, forming the second member of the holding-bracket. This bar 10 may be rigidly secured to the ball 9 or removably attached to it by a screw portion 11, adapting it to be screwed into the ball, which in many cases may be preferred.

From the above construction it will be seen that the horizontal bar 8 may be adjusted horizontally either way or at any suitable angle by loosening the thumb-screw 4 and then tightening it when the desired adjustment is made.

On the upright bar 10 is a holding clamping-collar 12, provided with a tightening thumb-screw 13. This collar 12 is adapted to be slipped up or down on the rod 10 and secured at the desired point by the thumb-screw 13. Above the collar 12 is a holding-sleeve 14, which rests on the collar 12 and is adapted to turn on the rod.

Projecting outward from the sleeve 14 is a tapering holding portion 15, on which is mounted a correspondingly-tapering sleeve 16. A thumb-screw 17 passes through the end of the sleeve 16 and screws into the tapering holding portion 15.

It is obvious from the above construction that the tapering sleeve 16 may be turned in

either direction on the portion 15 and then rigidly held at the point adjusted by tightening the thumb-screw 17.

At the top of the sleeve 16 and preferably
5 formed in one integral piece with it is a clamping portion 18, having a thumb-screw 19 for drawing the clamping-jaws 20 and 20^a toward each other. Between these clamping-jaws 20 20^a is a circular hole 21, in which is fitted a
10 substantially horizontal bar 22, having a book-rest-holding portion 23, secured at an angle to the portion 22 by an elbow 24 or a ball similar to the ball 9 shown in Fig. 2 or other similar strengthening corner-piece.

15 The above angular portion 22 23 forms the third member of the bracket, and the part 22 is adapted to be moved easily back and forth through the clamping portion 18 when the thumb-screw 19 is loosened and then tightened when at the desired point. On the portion 23 is mounted a book-rest 25.

Secured to the under side of the book-rest is a holding portion 26, provided with downwardly-projecting ears 27, having circular
25 holes all in a line, so that the portion 23 can pass easily through. On the portion 23 is secured by a clamping portion 28 28^a and a tightening thumb-screw 29 a collar 30, having a series of spur-teeth on one side, and between
30 the two downwardly-projecting ears 31 is pivoted by a pin 32, a hooked holding-arm 33, having a rearward extension forming a thumb-piece 34, and to the under side of the book-rest is secured by a screw 35 a spring
35 36, to keep it in engagement with the teeth in the collar 30. This portion is adapted to be moved either along the bar 23 or turned thereon and then rigidly secured by the
40 tightening thumb-screw 29, when in such position or at such point on the bar 23, as may be required. This construction allows the book-rest to be either adjusted to any point desired along the bar 23 or at any required
45 inclination, and then be rigidly secured in such position by the thumb-screw above mentioned. At the inner side is a substantially upright projecting portion 37, having two horizontal slots or openings 38. Through
50 these two slots are passed the screw-shanks or pivotal portions 39 (see Figs. 4 and 5) of the angular book-holding portions 40 40^a, the portions 40 being similar to crank-arms having the horizontally-projecting pieces 40^a. On the screw portions 39 is a tightening
55 thumb-screw 41.

From the above description it will be seen that the parts 40^a may be turned up or down or toward or from the book-rest by loosening
60 the thumb-screw 41, or they may be moved along the openings 38 toward or away from each other and instantly and rigidly secured

by the thumb-screw 41. This device provides the means for thus securing and holding books of different sizes and thicknesses.

If required, two upright bars 10 may be 65 used and secured at the top and bottom when a more rigid and strong upright support is required.

I claim as my invention—

1. In a book rest, the combination with a 70 removable plate adapted to be attached to the under side of a chair seat or other article, of a pivoted clamping device provided with a thumb screw, a substantially horizontal bar adapted to be adjusted and secured in said 75 clamping device, an upright supporting bar secured to the outer end of said bar, an adjustable collar mounted on the upright bar, a sleeve also mounted on said bar so as to rest on said collar and turn thereon and having 80 a tapering holding portion extending out from one side, a correspondingly tapering sleeve mounted thereon and provided with a tightening device, a clamping portion on said sleeve having a thumb screw, and a support- 85 ing adjustable bar carrying a book rest secured in said clamping portion, substantially as and for the purposes described.

2. A book rest mounted on a holding adjustable bracket, and means for securing it 90 thereon, in combination with a slotted bar on the inner side of the book rest, two angular crank shaped book holding portions having screw shanks which pass through said slots, and thumb screws on the screw shanks for 95 tightening or loosening them, whereby books of different sizes may be secured as described.

3. The combination with a book-rest mounted on a supporting bar, of a clamping portion 100 also mounted on said bar so as to be adjustable either along or around said bar, a thumb screw for tightening it when adjusted, a series of teeth on the periphery of the clamping device and a spring actuated pawl for engaging with said teeth, whereby the book rest 105 may be adjusted horizontally or to any suitable inclination, substantially as described.

4. A book holding bracket, a book rest mounted thereon and means for adjusting the 110 same to any suitable position either horizontally or vertically, in combination with a removable plate adapted to be secured to the underside of the chair seat, a clamping device pivoted to said plate so as to turn thereon, and a thumb screw for securing it at any 115 point of adjustment on the lower bar of the bracket, substantially as described.

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Witnesses:

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