

(No Model.)

H. L. PINNEY & F. LENZNER.
BOOK SUPPORTER.

No. 586,391.

Patented July 13, 1897.

Fig. 1.

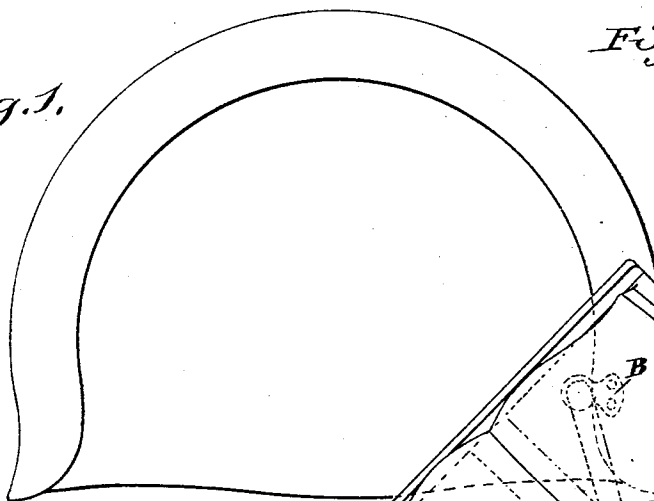


Fig. 5.

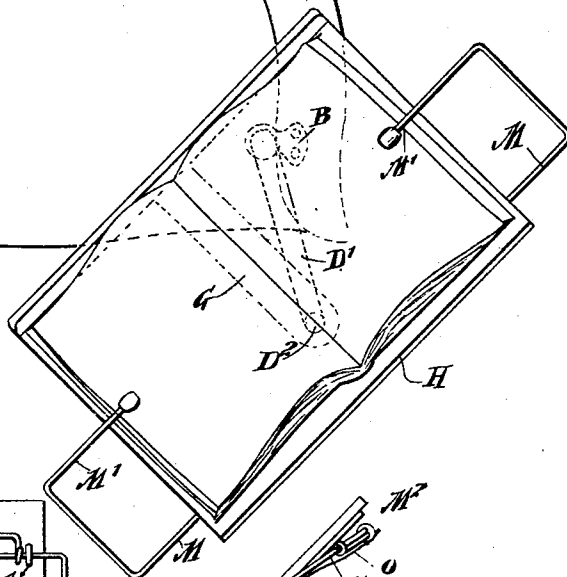
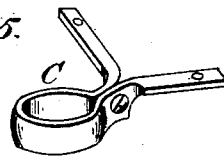


Fig. 2.

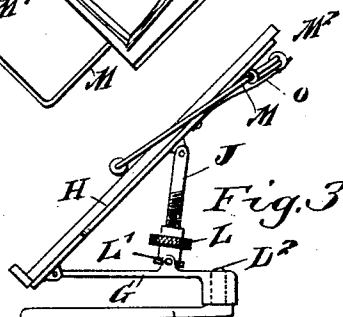
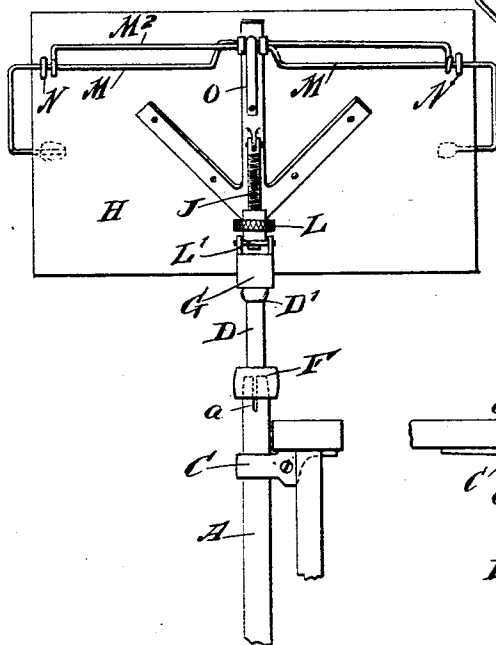
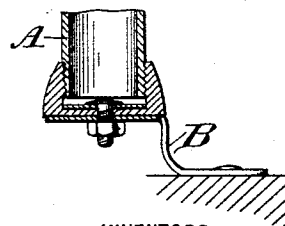


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE.

HENRY L. PINNEY AND FRANKLIN LENZNER, OF CASS CITY, MICHIGAN.

BOOK-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 586,391, dated July 13, 1897.

Application filed September 3, 1896. Serial No. 604,700. (No model.)

To all whom it may concern:

Be it known that we, HENRY L. PINNEY and FRANKLIN LENZNER, of Cass City, in the county of Tuscola and State of Michigan, have
5 invented certain new and useful Improvements in Book-Supporters, of which the following is a full, clear, and exact description.

Our invention relates to improvements in book-supporting devices, intended more particularly for attachment to chairs; and it consists, essentially, of a pivoted arm which may be attached to an arm of the chair and which may be adjusted in elevation thereon, and carries a device for the immediate support of
10 the book, which may be adjusted in position and at an angle to suit the reader.

The object of our invention is to provide a device for supporting books which may be attached to arm-chairs of various kinds without
20 seriously marring the chairs and which may be adjusted to different heights, positions, and angles to suit the desire of the user.

Reference is to be had to the accompanying drawings, forming a part of this specification,
25 in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of our device attached to a chair. Fig. 2 is a rear elevation of the supporting device. Fig. 3 is a side elevation, partly in section, of the supporting
30 device. Fig. 4 is a detail showing the method of fastening the tube A to the chair-seat, and Fig. 5 is a detail of the device for fastening the tube to the arm of the chair.

35 A tube A, of metal, is attached to the seat of the chair by any convenient means. In the drawings we have shown a small bracket B, made of sheet metal, which raises the support for the tube slightly above the seat. This sort
40 of a fastening is intended to be used in connection with chairs which are cushioned, the object being to raise the support for the tube so as to clear the cushion and also to make the attachment for this bracket far enough to one
45 side so as to clear the cushion.

The upper end of the tube is fastened to the arm of the chair by means of a clip or rod of any convenient shape. We have shown a rod C, which consists of a plain bar of metal bent
50 about the tube and clamped thereon by a bolt passing through each side, as shown in Fig. 5. Within this tube is placed a bar D, the upper end of which is bent at right angles to

the lower portion and forms a swinging arm D, upon the outer end of which is fixed a book-
55 holding device. The vertical portion of this arm, which has a snug fit in the tube, has a series of saw-tooth-shaped notches *d* surrounding the bar. These are made with the square portion of the notch uppermost. 60

A spring-catch E is pivoted to the outside of the tube and has a catch *e*, which projects through a hole in the side of the tube A and engages the notches *d* in the bar. This prevents the bar from sliding down in the tube
65 when the catch E is in engagement therewith. The lower one of the rings or notches surrounding the bar D is made square at both ends. The object of this is that the catch E will engage this notch and prevent the bar
70 from being entirely drawn out of the tube unless the catch E is pressed with the finger to release the same. With the other notches the bar may be simply pulled up, the sloping surface of the ring engaging the end of the catch
75 E and pressing the same outward.

The upper end of the tube A has four longitudinal slits *a* extending a short distance down from the end. The tube is also screw-threaded at this end and has a nut F screw-
80 ing thereon. These two are so arranged that when the nut F is screwed upon the tube it will compress the split portion of the tube upon the rod, and thus bind it so that it will not readily turn in the tube. This is for the
85 purpose of locking the arm D' of the bar D so that it will not shift its position after it has once been adjusted.

The outer end of the arm D' has a vertical pin D², and upon this pin is placed an arm G.
90 This arm carries the board H, which supports the book. This board H is pivoted at its lower end to the arm G and is adjustable in its angle upon the arm G by means of the screw-threaded rod J. This rod J is pivoted
95 at its upper end to the under side of the board H and at its lower end is surrounded by a nut L. This nut is supported, pivotally, upon the arm G, the pivot being shown at L'. By turning the nut L upon the screw-threaded rod J
100 the board may be raised or lowered and the angle of the book adjusted to suit the reader.

Pivoted to the under side of the board H and near the upper edge thereof are the wires M. The outer ends of these wires are bent
105 upward and then toward the center, as shown

at M', so that the ends thereof may be made to rest upon the upper surface of the board H. The lower or under ends of the wires after passing through the eyes N are bent to one side, so as to form an extension M², which is at that side of the pivot opposite the ends M'. A spring O is fixed upon the under side of the board H and presses upon this extension M². The tendency of the spring O is to hold the ends M' down upon the leaves of the book resting on the board H.

When it is desired to turn another leaf or for any purpose to get the ends M' out of the way, they may be turned upward and over the back of the board H until the extension M² has passed to a position relatively opposite to that shown in Fig. 2. In this case the ends M' will be held above the board H and where they would not interfere with a book placed thereon. This will not always be necessary to simply turn a leaf, but may be done, if desired.

With the mechanism described it will be possible to adjust the book to almost any position which may be desired. It may be swung in or out, closer to or farther away from the reader, and the angle adjusted from almost a flat to nearly a vertical position. The device may also be readily attached to or detached from a chair without perceptibly marring the same. The upper portion, including the swinging bar D and everything carried by the same, may be readily removed from the chair without removing the tube A.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In a book-holder, a board forming a support for the book and carrying means for adjusting the angle of the same in combination with a leaf-holder consisting of wires pivoted near the upper edge of the said board, the outer ends thereof having a forward side bend and then a return-bend, said return-bend being at such a distance from the pivot of the wire as to swing over the upper edge of the board, the other or rear end of the wire beyond the pivot being offset in a direction opposite the forward portion, and a spring pressing upon this rear offset portion, substantially as described.

2. In a book-holder, a swinging arm adjustably pivoted on a vertical pivot, an arm pivoted thereon, and a board pivoted at its lower edge to the free end of said pivoted arm, in combination with a rod of adjustable length supporting the upper portion of said board and consisting of a screw-threaded rod pivoted to the board, and a nut upon said rod, and a pivoted support for said nut upon the pivoted arm, substantially as shown and described.

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