

Propst & Ains,
Book Support.

No. 106,285.

Patented Aug. 9, 1870.

Fig. 1

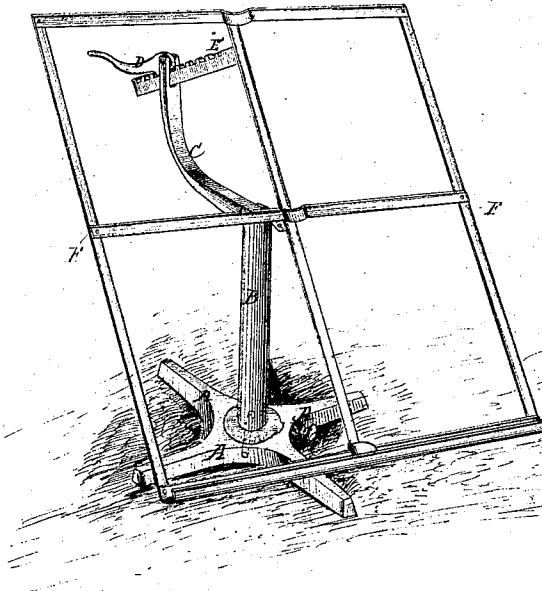


Fig. 2.

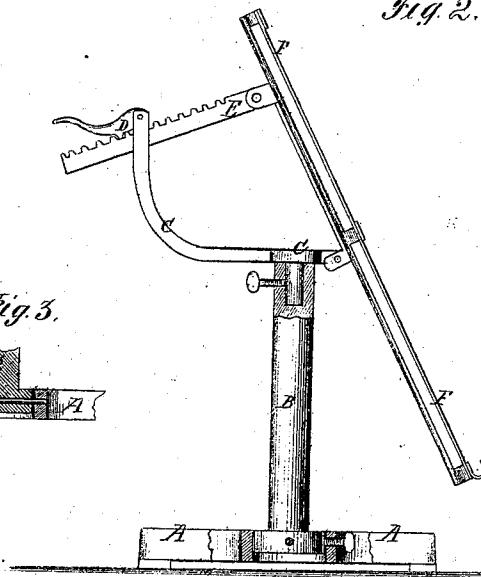
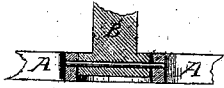


Fig. 3.



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ELIAS PROPST AND JAMES F. AVIS, OF TIPTON, INDIANA, ASSIGNORS
TO THEMSELVES AND WILLIAM H. HARTLEY, OF SAME PLACE.

Letters Patent No. 106,285, dated August 9, 1870.

IMPROVEMENT IN BOOK-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that we, ELIAS PROPST and JAMES F. AVIS, of Tipton, in the county of Tipton and State of Indiana, have invented certain new and useful Improvements in Adjustable Book-Holders, which we have described in the following specification, and illustrated in the accompanying drawings, with sufficient clearness to enable others of competent skill to make and use our invention.

Figure 1 is a perspective view of our improved book-holder, showing the base upon which it rests, the adjustable column or standard which rises out of said base, and the adjustable book-rack, which is attached to the top of such standard.

Figure 2 is a vertical elevation, with portions broken away to show the method of making the attachments.

Figure 3 is a vertical sectional elevation, showing the manner of attaching the standard to the base.

Corresponding letters refer to corresponding parts in the several figures.

This invention relates to book or paper-holders; and

It consists in the construction, combination, and arrangement of its parts, as will be more fully described hereinafter, the object being to provide an adjustable frame for holding books or papers for copying, reading, or for any other purpose, in such a manner as that any desired angle or inclination may be given to them.

A refers to a base for supporting the other parts of the devices, which may be of the form shown, or of any other desired form, which will admit of there being formed at its center a recess or cavity for the reception of the lower end of the standard, and permitting its movement therein.

B refers to a standard or column, which may be of wood or of metal, and of any required diameter and length, it being provided with a collar or enlargement upon its lower end for entering the cavity in the base, as shown in fig. 3.

In the upper end of this standard a hole or socket is formed for the reception of a pin or projection which is formed upon the arm C, a set-screw passing through the standard, or a portion of it, as shown in fig. 2, and thus providing the means of holding the said arm in any desired position.

At the lower end of this standard there is a rod or pivot, which permits the standard to turn to a certain extent in the base, in order that the position of the rack F, upon which the books or papers are placed, may be made to assume any desired angle, or a greater angle than can be given to it by the other parts soon to be described.

Through one portion of the base A there is to be formed a screw-thread for the reception of a set-screw, for the purpose of holding the standard when it has been placed in any desired position.

C refers to a curved arm, which is pivoted to the upper end of standard B, as shown in fig. 2, or so that its outer ends and the parts which it carries may perform an entire revolution around the standard B.

To the short portion of this arm the rack F is pivoted, in such a manner that it may be turned from a vertical position to nearly a horizontal one.

The opposite arm to the one above described extends outward, and is curved, as shown, its outer portion being slotted to receive the dog D, which is pivoted to such slot in such a manner that a projection upon its under side may be made to engage with the teeth of the rack E, as shown in fig. 2, and thus hold it in any desired position.

E refers to the rack above alluded to, which is pivoted to the book-rack or holder F, as shown in fig. 2, and so arranged that its outer end will pass through the slot in arm C, and be held in position by dog D.

F refers to the frame of wood or metal, it being provided with a groove in its bottom rail for the reception of the edge of the books or papers to be held, its center rail being hinged to the arm C, so that it may be turned, as above described.

The operation of this device will be as follows:

The parts having been constructed and arranged as shown in fig. 2, the books or papers are to be placed upon the frame F, when it may be made to assume any angle, with reference to the horizon, within the range of rack or bar E, in which position it may be secured by the dog D.

Whenever the amount of angularity given by the above-named parts is not sufficient, an additional amount may be given by turning the standard in the base A, and it may be held in the desired position by the set-screw therein.

It will be seen that, as a consequence of the two methods of giving inclination to the frame or rack F, it may be made to assume any position between a vertical and a horizontal one, and that, by means of the pivot on arm C, it may be made to revolve entirely around, so that any degree of angularity may be given at the same time.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

1. A book or paper-holder, the standard of which is adjustable at its lower end, substantially as and for the purpose set forth.

2. The combination and arrangement of the adjustable standard B, arm C, rack E, and rack or frame F, substantially as and for the purpose set forth.

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