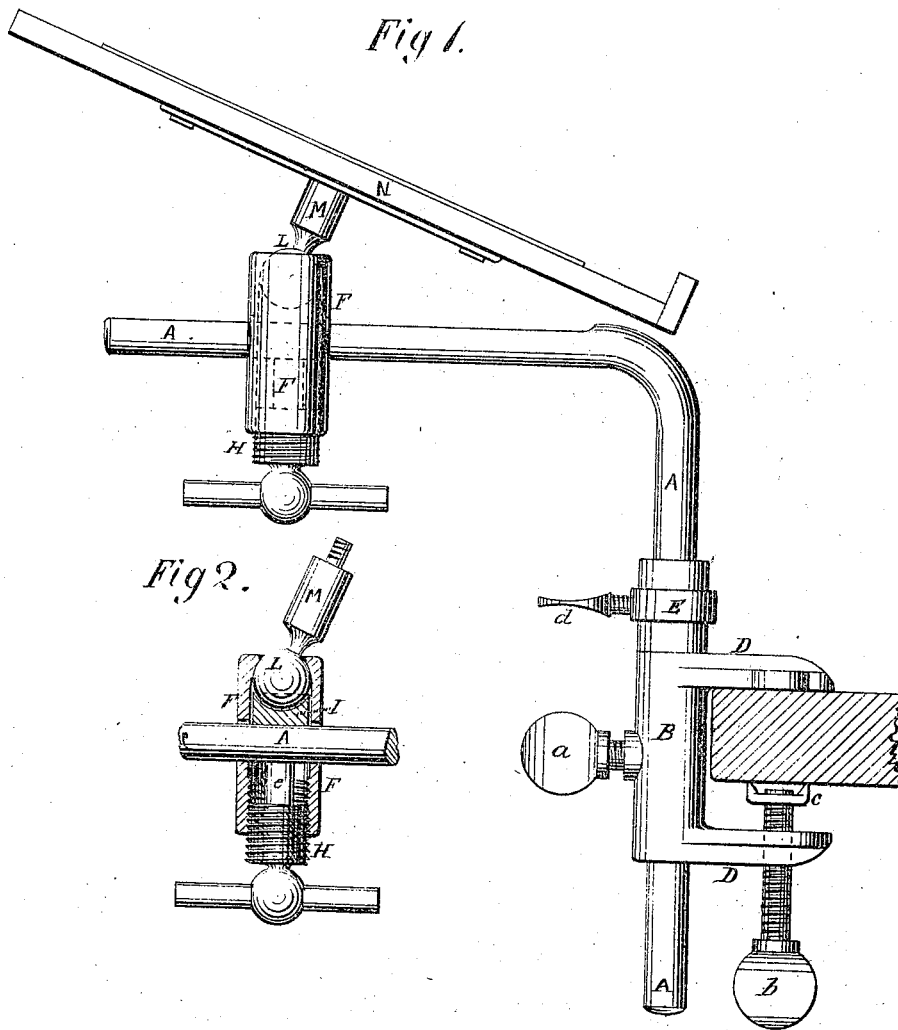


R. S. GRUMMON.
Book-Rest.

No. 161,026.

Patented March 23, 1875.



Witnesses:
J. P. Theodore Lang
Charles Will

Inventor:
Robert S. Grummon
by his Atty
Cox & Cox

UNITED STATES PATENT OFFICE

ROBERT S. GRUMMON, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN BOOK-RESTS.

Specification forming part of Letters Patent No. 161,026, dated March 23, 1875; application filed December 18, 1874.

To all whom it may concern:

Be it known that I, ROBERT S. GRUMMON, of Newark, Essex county, New Jersey, have invented a new and useful Improvement in Book-Rests, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to a book-rest; and consists of an adjustable bent standard having an adjustable clamping-screw, the desk or table being mounted upon a universal joint, which is adjustable and movable upon the arm of the standard, the object of the invention being to provide a book-rest that may be adjusted at any height or angle, as desired.

Figure 1 is a side elevation. Fig. 2 is a vertical central view of the carriage and its attachments.

A, in the accompanying drawings, is a standard, the base of which is provided with the sleeve B, having on one side the set-screw *a*, by means of which the swaying of the standard is prevented. Upon the opposite side of the sleeve are the ears D, between which the arm or seat of the chair or other article to which the device is to be attached may be inserted. In the lower ear D is provided the clamping-screw *b*, provided with the head *c*, for holding the rest in position. Above the sleeve B is placed the movable shoulder E, having the set-screw *d*, for giving the standard a bearing, and retaining it at any desired height. The upper end of the rod is bent at right angles to the lower portion, and near the upper portion of the arm is flattened, as in the

present instance, or it may be made round. On this arm is placed the carriage F, through slots in each side of which the arm passes. The lower part of the carriage is threaded, to receive the screw H, having the stud *e*, which bears upon the rod, so that the carriage may be secured firmly in any desired position upon the standard, and also to bring the ball-seat and ball together, and thus any proper weight or pressure at any angle, as desired. Within the upper part of the carriage and resting upon the angular part of the standard, is placed the ball-seat I, properly formed to receive the ball L at the base of the standard M, upon the upper end of which is secured the desk or table N, the upper inner surfaces of the carriage being formed to fit relatively about the ball L.

It is obvious that the desk can be arranged at any height or angle, as desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with the bent standard A, the sleeve B, having the ears D D and set-screws *a* and *b*, and the movable sleeve E, provided with the set-screw *d*, constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the foregoing improvements in book-rests, as above described, I have hereunto set my hand and seal this 12th day of December, 1874.

ROBERT S. GRUMMON. [L. S.]

Witnesses:

JOHN F. JACOBUS,
ERWIN D. FAENSWORTH.