(No Model.) 2 Sheets—Sheet 1.

O. SMITH.

Combined Arm Rest and Book Leveler.

No. 238,979. **Patented March 15, 1881.**

Fig. 1.

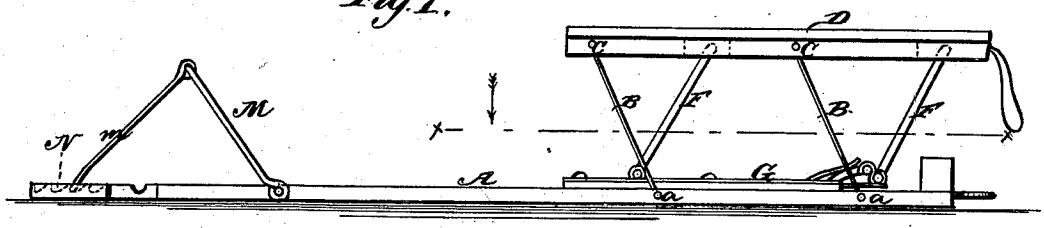


Fig. 2.

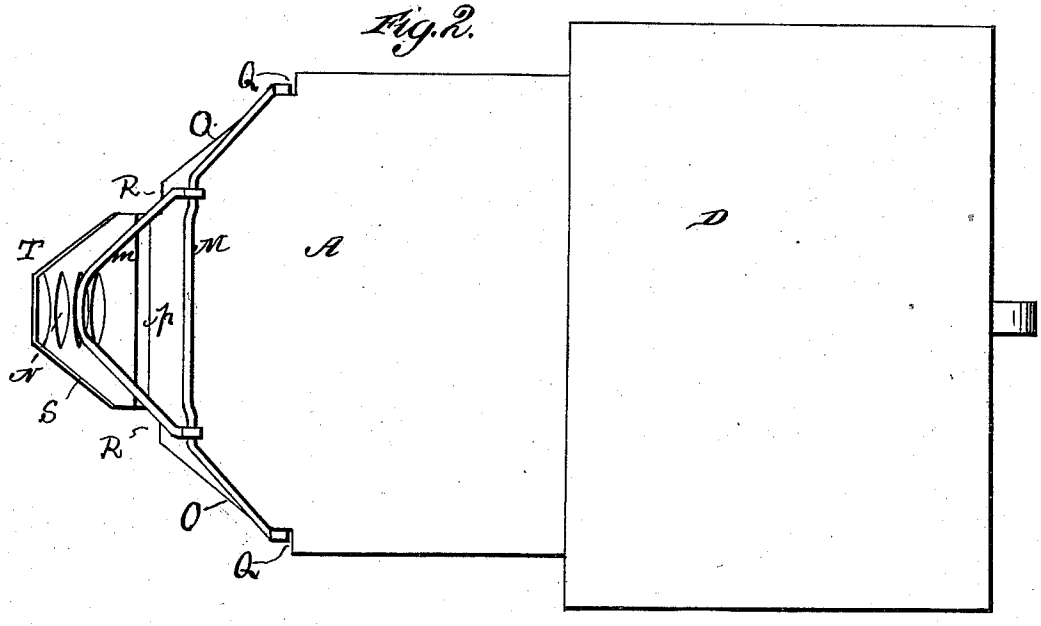
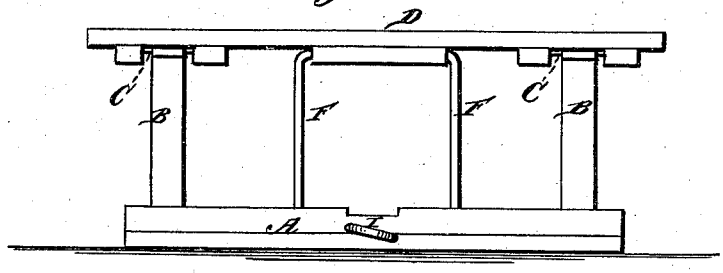


Fig. 3.



WITNESSES

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James J. Sheehy.

INVENTOR

Oscar Smith

Gilmore Smith & Co.

ATTORNEYS

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

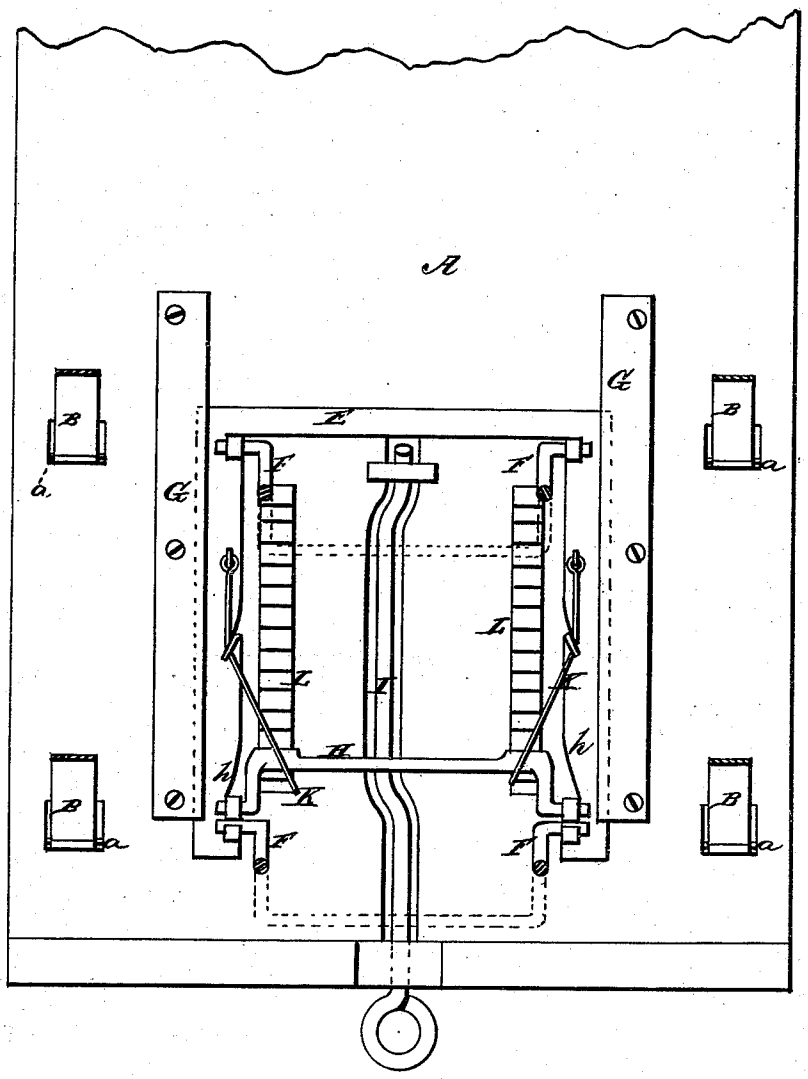
(No Model.) 2 Sheets—Sheet 2.

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Fig. 4.



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UNITED STATES PATENT OFFICE.

OSCAR SMITH, OF SAVANNAH, MISSOURI.

COMBINED ARM-REST AND BOOK-LEVELER.

SPECIFICATION forming part of Letters Patent No. 238,979, dated March 15, 1881.

Application filed April 10, 1880. (No model.)

To all whom it may concern:

Be it known that I, OSCAR SMITH, of Savannah, in the county of Andrew and State of Missouri, have invented certain new and useful Improvements in Combined Arm-Rests and Book-Levelers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my arm-rest and leveler. Fig. 2 is a plan view of the same. Fig. 3 is an end view, and Fig. 4 is a plan with the rest D removed.

The object of this invention is to provide a support for the arm of a person while engaged in writing in large books, and to level the thinner side of the open book; also, to afford a rest for the arm across both pages of the book.

A designates a base-board, to which are pivoted, as at *a*, the lower ends of the four hinges B B, the upper ends of these hinges being pivoted, by pivots C, to a top board, D. This top board or rest, D, is connected with a sliding rectangular frame, E, by pivoted links F F. The side bars of this sliding frame move under the guide-bars G, which are secured to the base-board A.

A cross-bar, H, is hinged to the side bars, *h*, of the sliding metal frame, and a bent rod, I, is journaled in said base-board in such manner that when it is turned in one direction it will raise the cross-bar H, and when it is turned in the reverse direction it will admit of the cross-bar H being depressed by springs K, secured to the side bars of the sliding frame E. Rack-bars L are secured to the base-board, and the cross-bar H is bent so that when it is depressed by the spring it will engage with the rack-bars, and thereby hold the frame stationary.

The book-leveler M consists of a jointed wire frame hinged to the front end of the base-board A. A bail, *m*, of this frame rests in a series of notches, N, whereby the frame may be raised or lowered to suit the thickness of the book. The wire M has angular bends made therein to correspond with the inclinations O of the base-board A, and a groove, *p*, in the face of the base-board receives the central portion of the wire M when the latter is folded down. The wire M is pivoted in notches Q in the edges of the base-board A. Notches R are provided for the link-connections between the wires M and *m*, and the edges S of the point T of the base-board are rabbeted to receive the wire *m*, which is bent to conform to the shape of the point T, so that when the wires M and *m* are folded down they will be out of the way and the point or projecting portion of the base-board may be pushed under the book.

In writing upon the thicker side of the book the wires M and *m* are folded down, as above, and the projecting portion of the base-board pushed under the book. The arm-rest D should be adjusted to the appropriate height. When writing on the thinner side of the book, or the side which droops, the wires M and *m* should be elevated to level that side when placed under it.

When writing across both pages of the book the arm-rest and the leveler should be adjusted to the same plane and the device placed upside down at the foot of the book, the base-board A then forming the arm-rest.

What I claim is—

1. In combination, the arm-rest D, sliding frame E, pivoted links B and F, cross-bar H, rack-bars L, bent rod I, and base-board A, constructed and operating substantially as and for the purposes set forth.

2. The herein-described arm-rest and book-leveler, consisting of the arm-rest D, constructed as described, in combination with the base-board A, inclined and notched at O, Q, and R, and having the grooved and notched point T N *p*, and the pivoted and linked angular wires M *m*, constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

OSCAR SMITH.

Witnesses:
J. R. CALDWELL,
W. B. ALLEN.