

(Model.)

2 Sheets—Sheet 1.

R. M. LAMBIE.

BOOK HOLDER.

No. 283,495.

Patented Aug. 21, 1883.

Fig. 1.

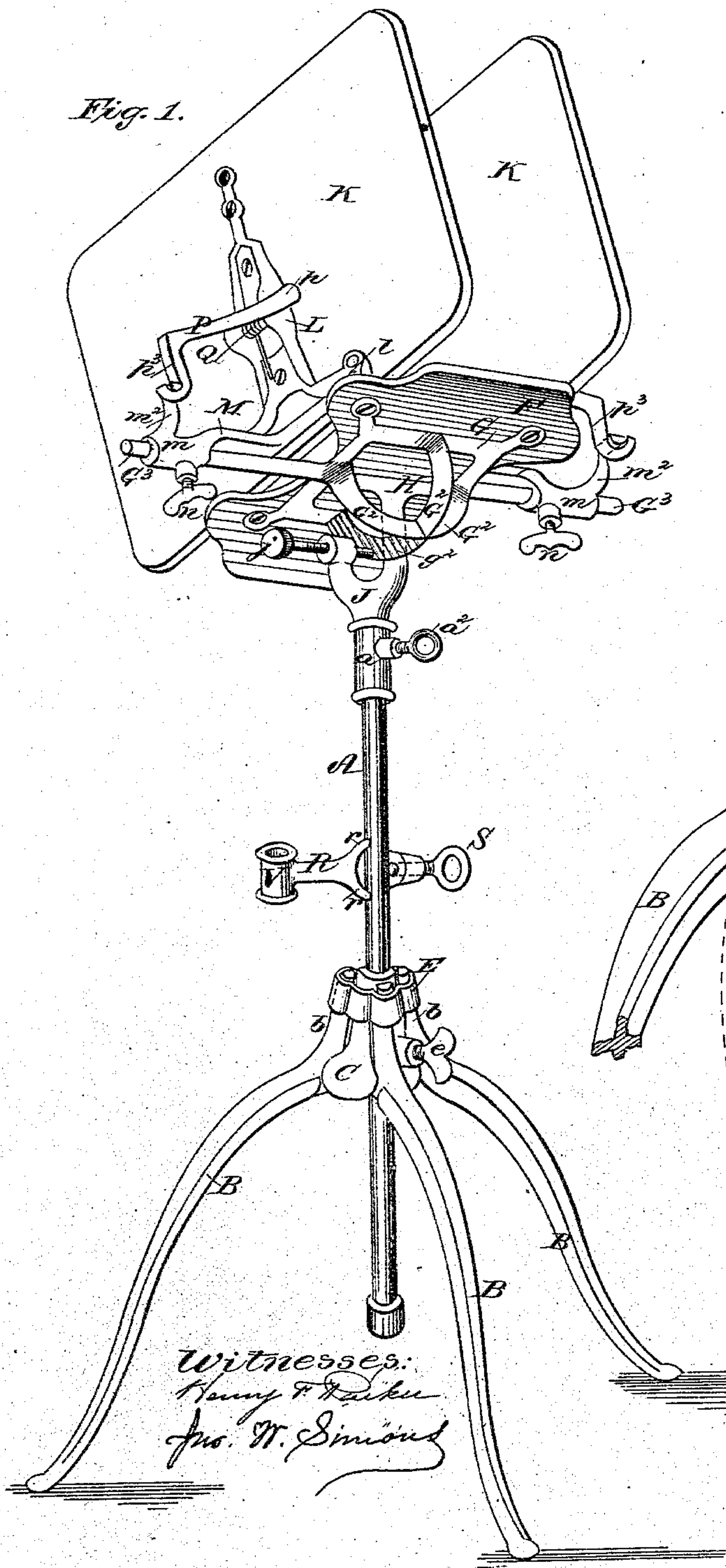
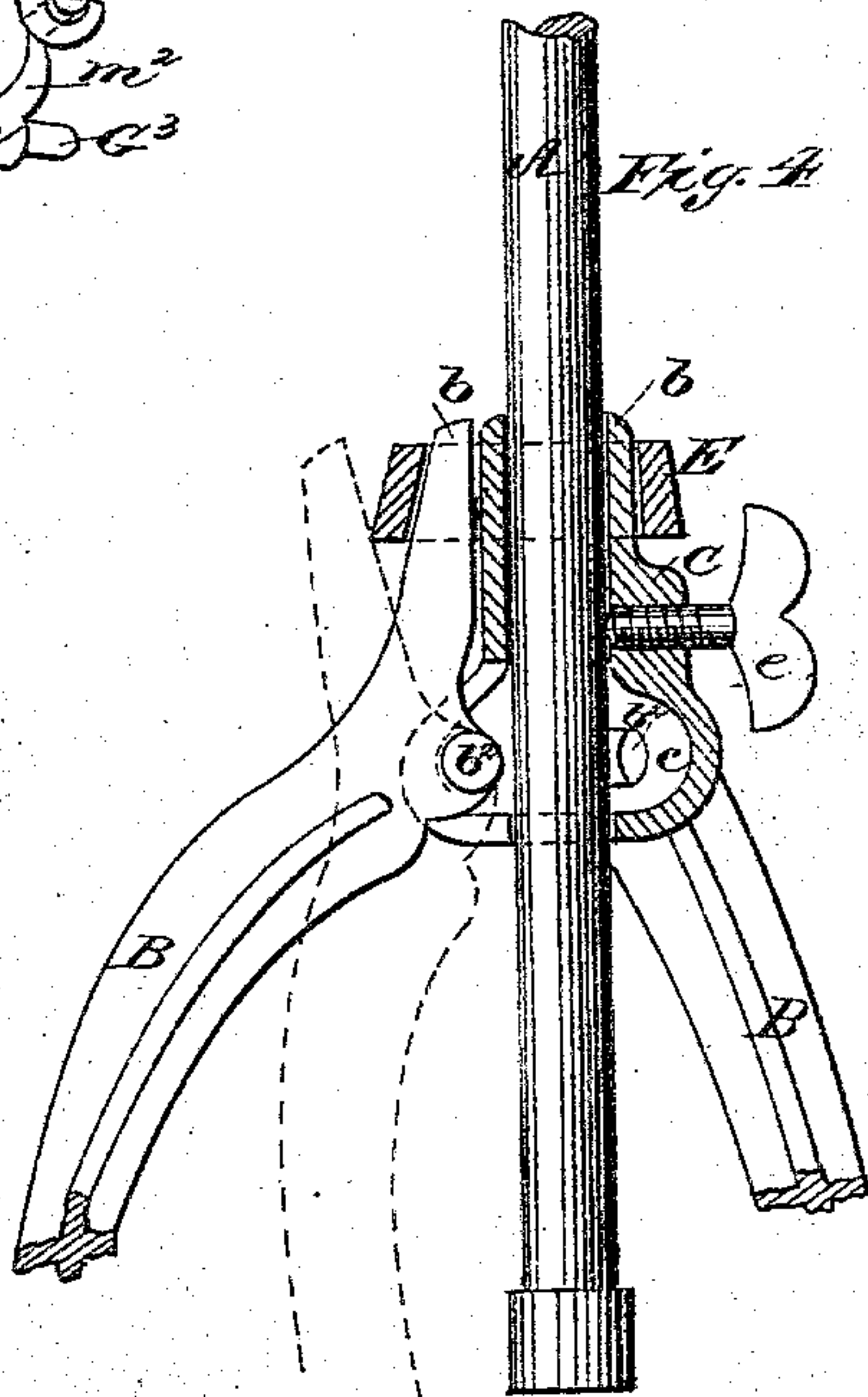


Fig. 5.



Fig. 4.



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(Model.)

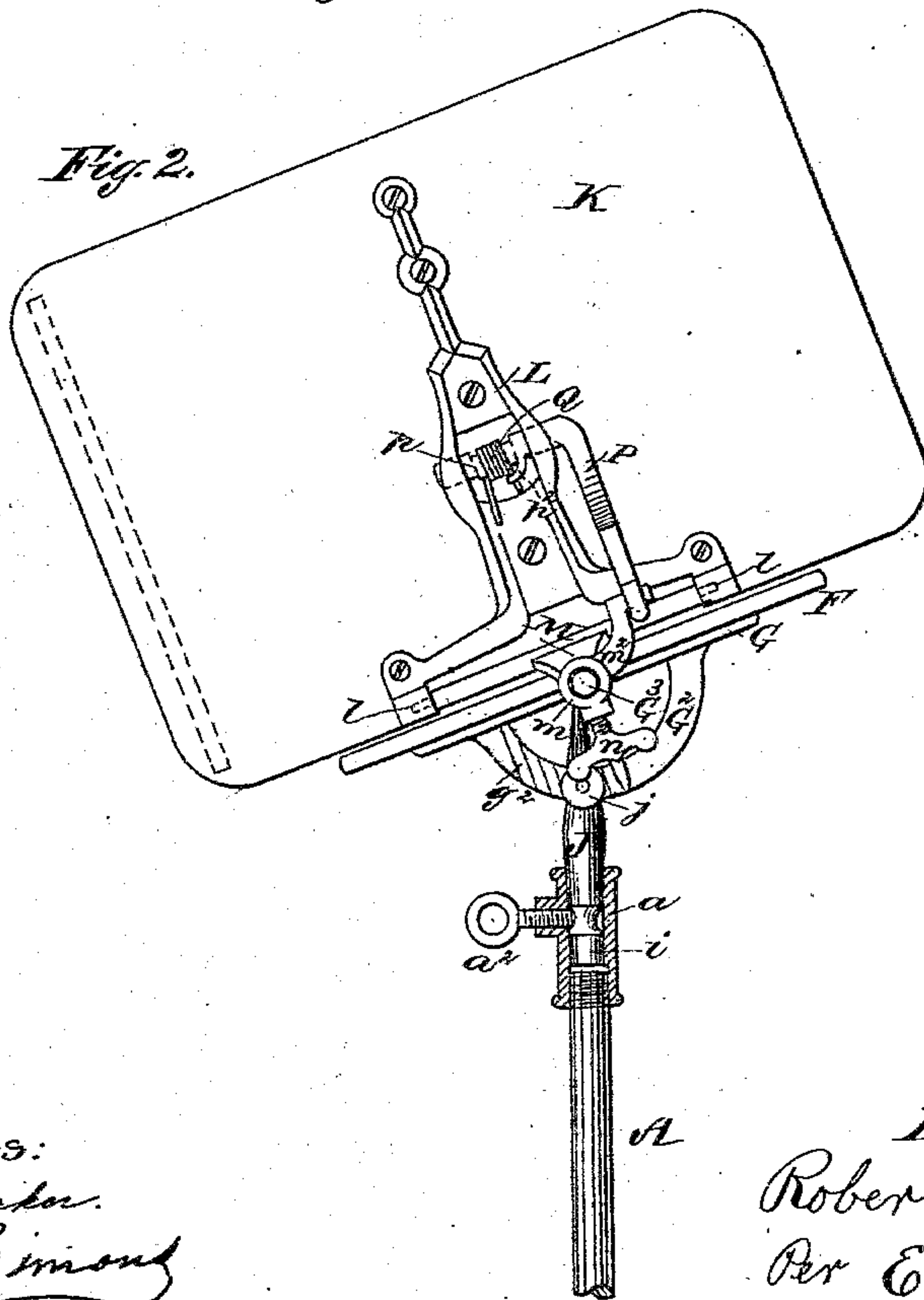
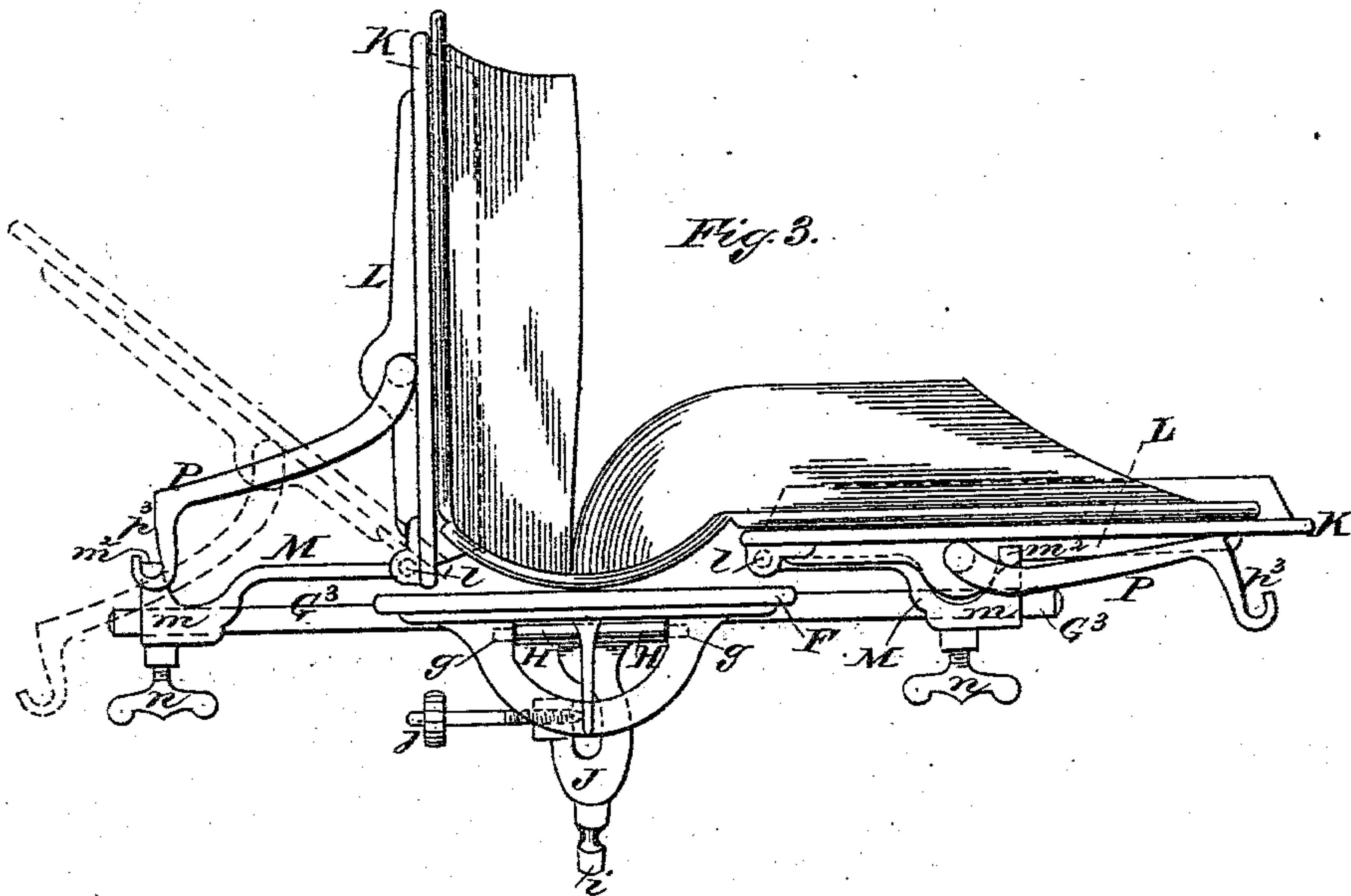
2 Sheets—Sheet 2.

R. M. LAMBIE.

BOOK HOLDER.

No. 283,495.

Patented Aug. 21, 1883.



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UNITED STATES PATENT OFFICE.

ROBERT M. LAMBIE, OF NEW YORK, N. Y.

BOOK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 283,495, dated August 21, 1883.

Application filed July 24, 1882. (Model.) Patented in England August 16, 1882, No. 3,918.

To all whom it may concern:

Be it known that I, ROBERT M. LAMBIE, a citizen of the United States, residing in New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Book-Holders; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to an apparatus for holding a dictionary or other large volume so that it may be readily opened for reference, and as readily closed, and held so as to be protected from dust and exposure.

The accompanying drawings represent an apparatus embodying my improvements.

Figure 1 is a perspective view of the apparatus in position for use. Fig. 2 is a side view of the upper portion. Fig. 3 is an end view of the same. Figs. 4 and 5 are detail views.

The working parts of the apparatus are supported by an adjustable standard and a folding leg-frame. The standard consists of a rod, A, having at its upper end a socket, a , for the reception of a pivot, and a set-screw, a^2 , for securing the pivot when in the socket.

The legs B are of metal, and any number may be employed. As here shown there are three. The upper part of each leg is formed into a shank, b , from two opposite sides of which extend two pivots, b^2 , cast with the leg and shank. Above these pivots, when the legs are in place, the shank is vertical, and the portion of the leg below the pivots is curved outward in any suitable form. Three or more legs are placed together to form a leg-frame by passing the pivots b^2 upward into a pear-shaped sleeve, C, through slots radiating from the central aperture, and then inserting the standard A between them. The pivots b^2 have bearings in a groove, c , running around the interior of the largest portion of the pear-shaped sleeve C, and the shanks b rest against the outside of said sleeve, where they are held in place by a ring or band, E, of the shape shown in Fig. 5, which is slipped over them, as shown in Figs. 1 and 4. The sleeve C is provided with a thumb-screw, e , for holding the standard A in place at any desired height. When the ring or band E is re-

moved from around the shanks, the legs are free to swing toward each other, as indicated by dotted lines in Fig. 4, so that the legs and standard may be packed in a small space.

The book-holder consists of a central base-board and two adjustable swinging or folding boards. To the base-board F is attached a skeleton plate or frame consisting of a quadrangular portion, G, secured to the bottom of the board by screws, and two semicircular braces, G^2 , extending from the bottom of said quadrangular portion and crossing each other at right angles.

From two opposite sides of the frame, in line with one of the semicircular braces, extend two arms, G^3 . In the upper surface of the quadrangular portion G, in line with the arms G^3 , are two semicircular depressions, g , which form bearings for the ends of two arms, H, extending laterally from a bifurcated vertical post, J, the lower end of which is formed into a tapering pivot, i , having a peripheral groove around it. The arms H extend from one of the branches of the bifurcated post, and the other branch is provided with a set-screw, j . Between the two branches of the bifurcated post works one of the semicircular braces G^2 , and the point of the set-screw j engages with notches or depressions g^2 in the surface of said brace. By this means the base-board F may be made to swing from a horizontal to a nearly vertical position, and is held in place in either of said positions or any intermediate position by means of the set-screw j and depressions g^2 .

The adjustable swinging or folding boards are connected to the base-board F in the following manner: To the back of each board K is attached a T-shaped plate or bar, L. At the ends of the arms of the plate or bar L, on the side toward the board K, are notches or depressions l , which form bearings for the ends of two arms extending laterally from a T-shaped plate or bar, M. The end of the main bar of the piece M is formed into a tube or sleeve, m , and provided with a set-screw, n . The tubes or sleeves m fit on the arms G^3 , above described, and are secured by the set-screws n , and by this means the boards K are hinged to the base-board F, so that they may be made to swing from a vertical to a horizontal posi-

tion after the manner of opening and closing a book.

The book is held by resting it on the base-board F and swinging boards K, as shown clearly in Fig. 3, and by means of the tubes or sleeves *m* and set-screws *n* the boards K are adjusted toward or from each other to accommodate books of different thicknesses. The lower edges of the boards K are provided with cleats *k*, to prevent the book from slipping when the boards are inclined from a horizontal position. These cleats are provided with dowel-pins engaging with holes in the boards, so that they may be readily placed in position and removed at pleasure.

In order to hold the boards K in place with a book either open or closed, but more especially when the book is closed between the boards, the following devices are employed: A bar, P, has at one end a lateral arm, *p*, which works in bearings consisting of notches in the plate or bar L. A wire spring, Q, is wound around the arm *p*, with one end of the wire bearing against the plate L, and the other end engaging with a horn or projection, *p*², on the arm *p*, with a tendency to keep the bar P pressed upward. The outer end of the bar P is bent at a right angle to the direction of the arm *p*, and is formed into a hook, *p*³, which engages with an arm, *m*², projecting laterally from the tube or sleeve *m*. When the book is closed, the tendency of the springs Q to raise the bars P causes said arms to press against the boards K and hold them firmly against the book, so as to keep it closed. The upward motion of the bar is limited by the engagement of the hook *p*³ with the arm *m*². When the book is to be opened, the hooked arm *p*³ slides over the arm *m*² and lies against the back of the board K, as shown in Fig. 3.

Referring to Fig. 1, R represents a bar provided with two claws, *r r*, and a set-screw, S, by which means the bar may be attached to the standard A. The outer end of the bar is provided with a socket, V, for the reception of a pivot, by which means a desk attachment such as that shown in my patent of August 9,

1881, No. 245,512, may be connected to the apparatus.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a book-holder, a base-board adapted to support the back of the book, having a frame secured thereto and hinged to a vertically-adjustable standard, and formed with oppositely-extending horizontal arms, in combination with hinged boards adapted to support the sides of the book, said boards being secured to T-shaped plates hinged to laterally-adjustable plates secured on the horizontal arms, and provided with upward-extending stop-arms, and a locking-bar pivoted to each of the hinged plates, adapted to engage the upward-extending stationary arms when the hinged boards are brought to a vertical position in closing the book, and to slide freely thereon when force is applied to open the same, substantially as described.

2. The plate or bar M, formed with the sleeve *m* and arm *m*², and provided with set-screw *n*, and the supporting-arm G³, in combination with the plate or bar L and bar P, substantially as shown and described.

3. The combination, with the swinging board K, the T-shaped plate or bar L, the T-shaped plate or bar M, hinged thereto, and provided with the arm *m*², the sleeve *m*, and supporting-arm, of the bar P, formed with the hooked arm *p*³, and arm *p*, provided with spring Q, as shown and described.

4. The combination of the adjustable standard A, sleeve C, provided with slots, as described, and the recess or groove *c*, with the legs B, provided with pivots *b*², adapted to be retained in the recess or groove *c* by the presence of said standard A, the upward-extending shanks *b*, and band E, adapted to fit over said shanks *b*, substantially as shown and described.

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