

(No Model.)

2 Sheets—Sheet 1.

A. CLARKE.

BOOK SUPPORT.

No. 329,719.

Patented Nov. 3, 1885.

Fig. 1.

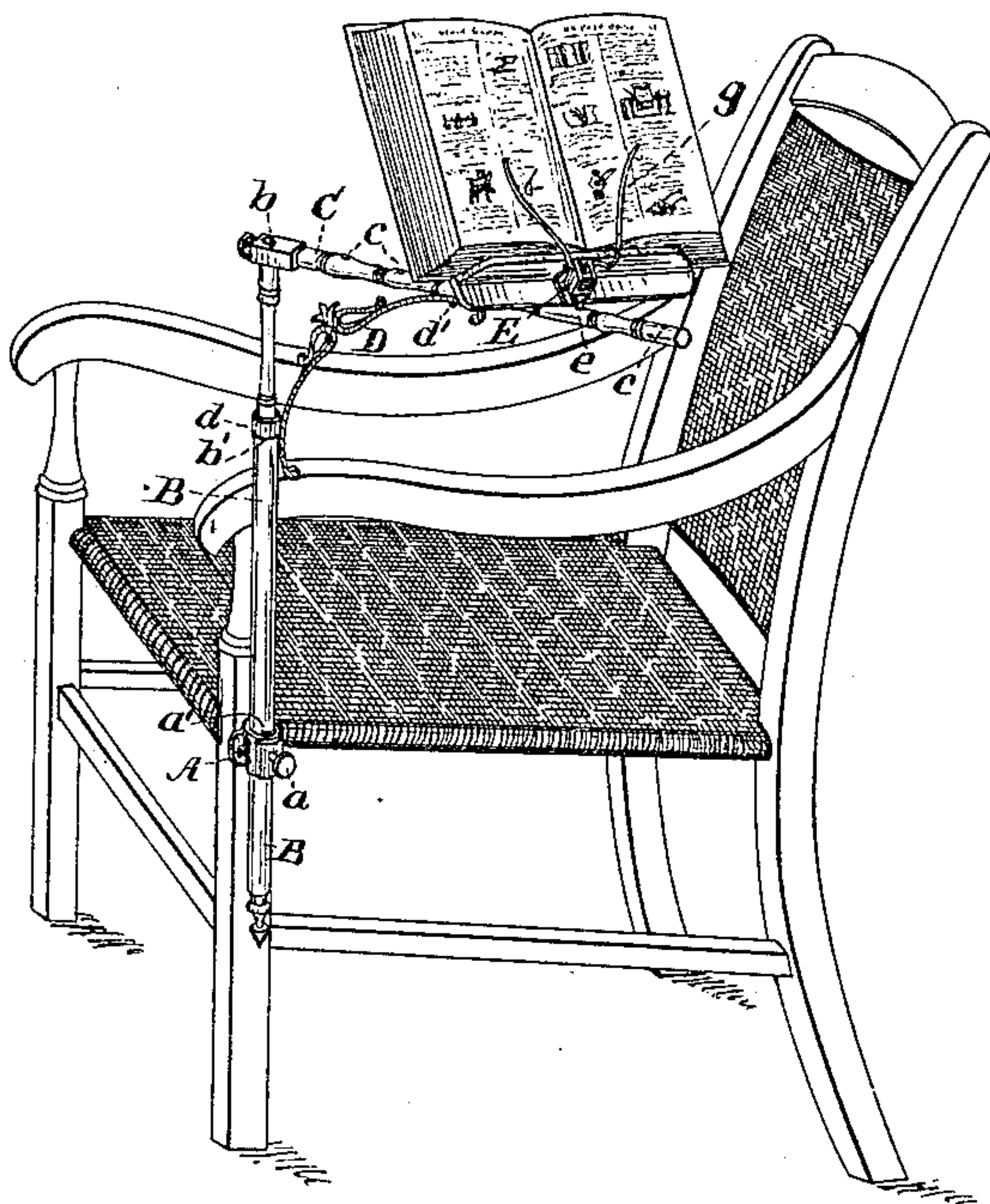
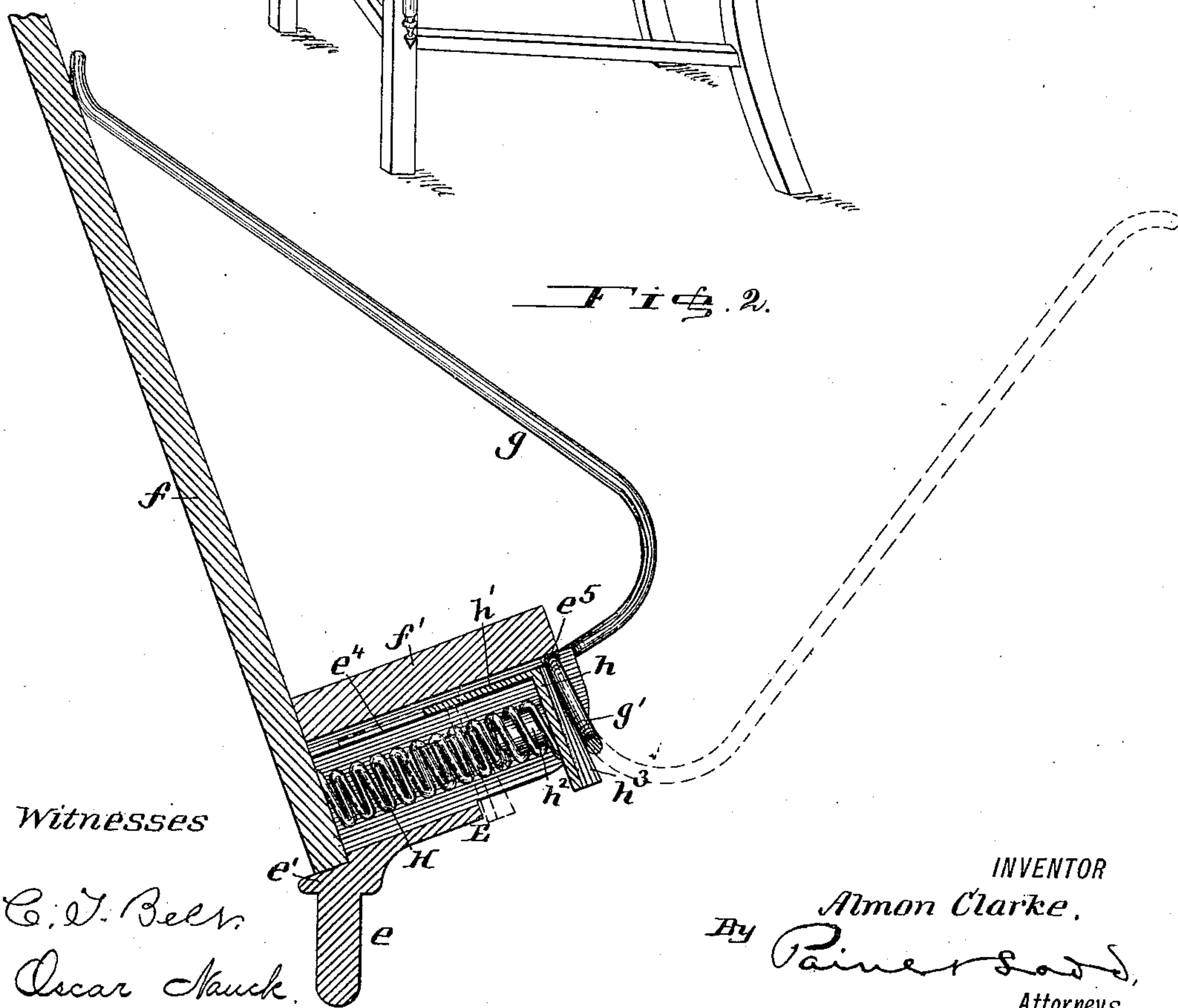


Fig. 2.



Witnesses

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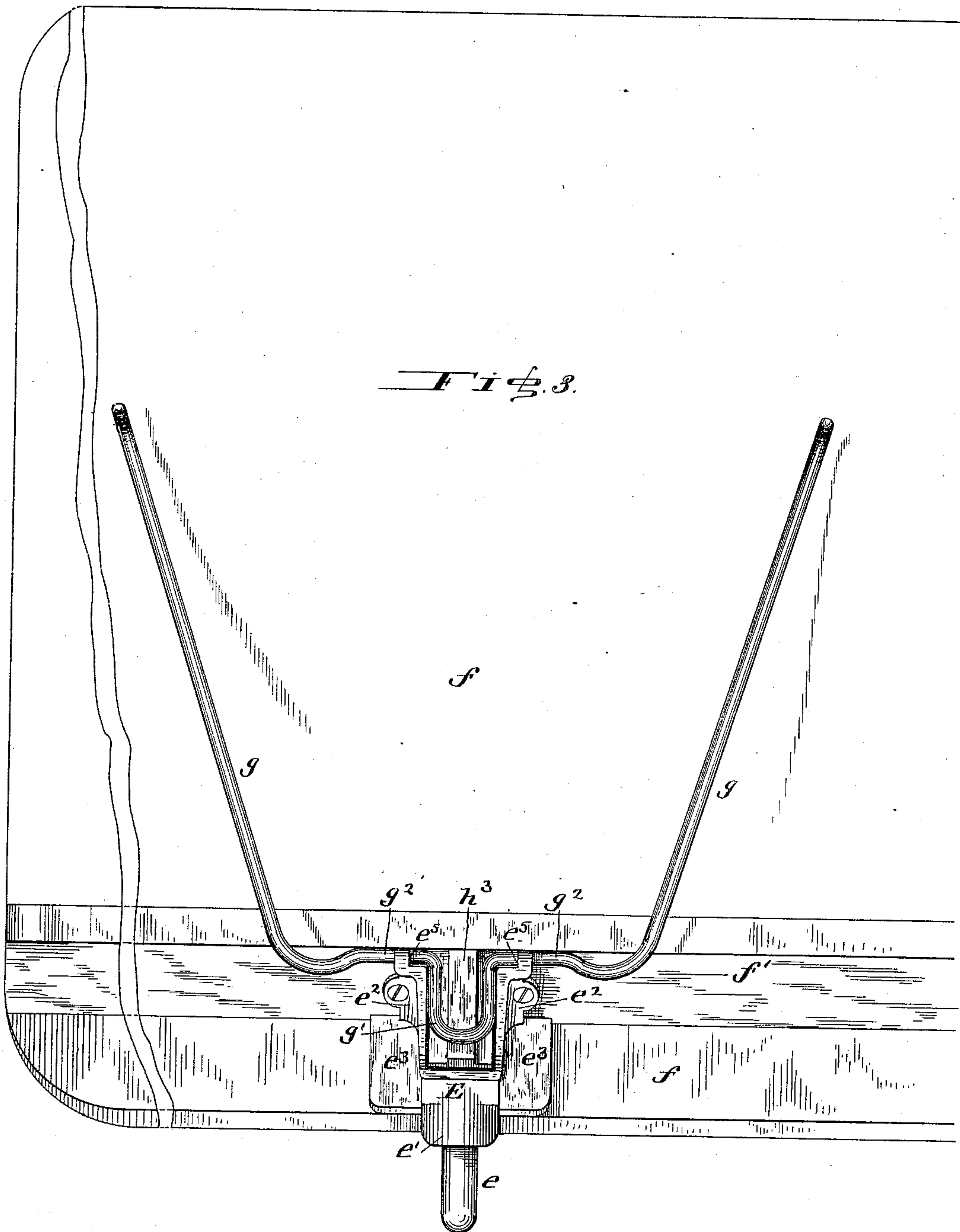
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WITNESSES

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BOOK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 329,719, dated November 3, 1885.

Application filed February 29, 1884. Serial No. 122,480. (No model.)

To all whom it may concern:

Be it known that I, ALMON CLARKE, a citizen of the United States, residing at Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Book-Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to the class of book-supports which are adapted to be attached to a chair or the side of a desk, and have arms which can be adjusted vertically and laterally and also in a horizontal plane, so as to hold and present the pages of a book in any desired position.

The object of my invention is to provide an improved book-support which shall be simple in construction, and shall be capable of easy adjustment in any position; and my invention consists of the improved book rest or support herein described, and in certain details of construction, as hereinafter claimed.

Figure 1 is a perspective view illustrating my invention. Fig. 2 is an enlarged section through the center of the leaf-holding device, and Fig. 3 is a front elevation of the same.

The socket A, which receives the standard B, is screwed to the chair or table in the usual way. The clamping-screw *a* has a face-plate, *a'*, which bears against the standard and clamps it firmly without defacing it. The horizontal arm C, carried by the standard B, is pivoted to the top of the same so that it can swing entirely round. The attachment of the horizontal arm to the standard consists of a screw-pivot, *b*, which passes through a hole in the end of the arm C, and is screwed into the top of the standard B and the iron brace D. The latter is made with a ring, *d*, at one end, which sets on over the end of the standard and rests on a shoulder, *b'*, of the standard, and the other end receives a screw, *d'*, which is screwed into the under side of the horizontal arm. The standard B, from its shoulder *b'* to the top, is of a reduced size, so that the ring *d* can slide

down to its seat. It will be seen that this construction is very cheap and strong and gives a firm support to the horizontal arm, at the same time allowing it to swing freely in a horizontal plane. The arm C is provided with holes *c*, to receive the pivot-pin *e* of the book-rest, the holes being placed at convenient distances along the arm. The book-rest is an inclined board, *f*, having a ledge, *f'*, the same being of ordinary construction. A leaf-holder is provided which consists of the spring-pressed wire arms *g*. The shell-casting E (illustrated in detail by Figs. 2 and 3) carries the leaf-holders and contains the spring H, and it is made with the pivot-pin *e* at its rear end. The latter is inclined backward with respect to the casting, so as to give the proper inclination to the book-rest, and it projects downward from an extension, *e'*, at the rear end of the casting, which extension projects under the edge of the board *f*, thus bringing the point of support beneath it. The shell E, in addition to the pivot-pin *e*, has side walls and the side flanges, *e''*, by means of which it is attached by screws to the under side of the ledge *f'*, and the rear flanges, *e'''*, which bear against the lower extension of the board *f*, beneath the ledge. This, in connection with the extension *e'*, gives strength and rigidity to the attachment of the casting to the book-rest. The ledges *e''* on the top of the side walls constitute guideways, on which the angle-plate *h'* slides. The leaf-holder is formed of a single piece of wire bent so as to form the arms *g*, the central projecting arm, *g'*, and the intermediate short horizontal parts, *g''*, on which the leaf-holder turns as a hinge. Near the front of the shell E, and on each side, there is a notch, *e⁵*, in the upper edge, which receives the short horizontal parts *g''* of the leaf-holder, the short arm *g'* projecting down between the side walls of the casting. When the casting is in position and screwed up against the under side of the ledge *f'*, the leaf-holder is held in the notches *e⁵*, and is thus hinged to it. The spiral spring H, contained within the casting, presses the follower-plate *h* against the arm *g'* of the leaf-holder and holds the arms *g* up against the leaves of the book. The angle-plate *h* has on its rear face the spring-retaining lug *h²*, and the edge of the top portion,

h' , rests on the guideways e^4 and slides on them. On the front face of the plate h there is an inclined ridge, h^3 , which slopes outward from the top toward the bottom, and it is the edge of this projecting ridge that the arm g' bears against. The inclined ridge h^3 , pressed against the short arm g' of the leaf-holder, renders it easier to raise the leaf-holders than would be the case if the face of the plate h rested against it, and also when the leaf-holder is raised and drawn down into the position shown by dotted lines in Fig. 2 it will be held there and will not fly back, as the end of the arm g' is now at the top of the plate h and at the bottom of the ridge h^3 . The latter tends to hold it in this position until a slight pressure is used to lift the arms g . It will be observed that by raising or lowering the standard A any desired change of elevation can be secured, and by swinging the horizontal arm on its pivot or shifting the book-rest to different holes on the arm any desired change in a horizontal plane is obtained. These adjustments, in combination with the rotation of the book-rest on its pivot, will enable the book to be presented in any desired position.

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

30 . 1. In a book-support, the standard B, having pivot b , in combination with the arm C, brace D, having ring d , and a book-rest, substantially as and for the purpose set forth.

2. In a book-support, the standard B, having pivot b and shoulder b' , in combination with the arm C, brace D, having ring d , and a book-rest, substantially as and for the purpose set forth.

3. The combination, in a book-support, of the shell-casting E, a leaf-holder hinged thereto and adapted to swing as described, and a spring, H, independent of, but bearing against, said leaf-holder, to lock the same in either of the positions to which it may be adjusted, substantially as set forth.

4. The combination, in a book-support, of a suitable book-support, the shell-casting E, provided with the extension e' , pivot-pin e , the ledges e^2 , the spring H, and angle-plate $h h'$, substantially as set forth.

5. The combination, in a book-support, of a book-support, a leaf-holder consisting of an arm, g , central lever-arm, g' , and hinged portions g^2 , a spring, H, and a spring-pressed plate independent of, but adapted to exert a horizontal pressure against, said central lever-arm, g' , substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALMON CLARKE.

Witnesses:

VINCENT C. McCLURE,
 CHAS. W. LUND.