

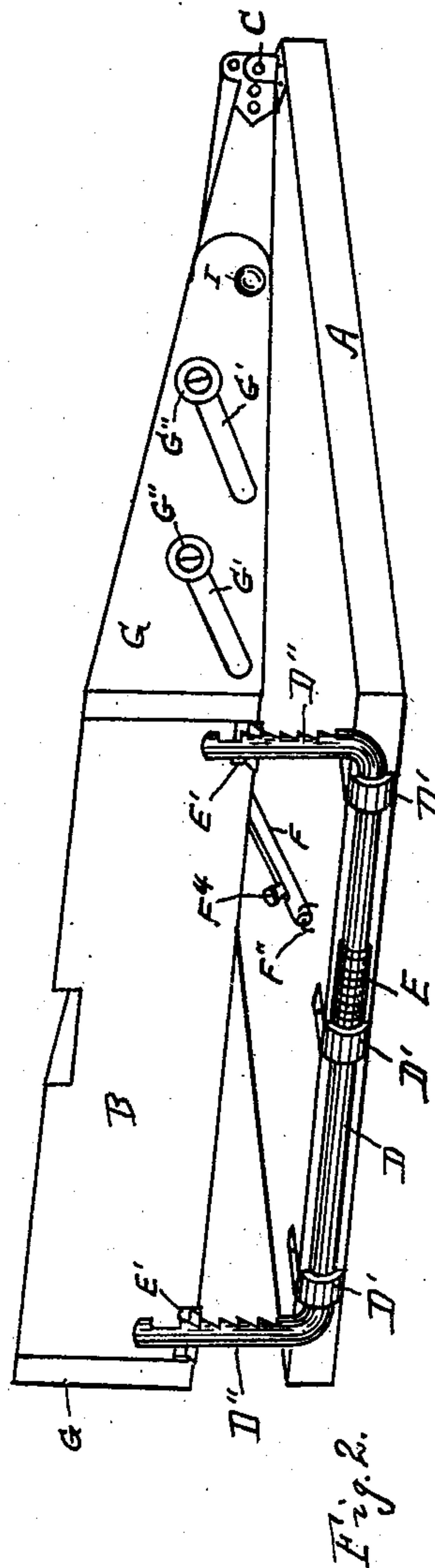
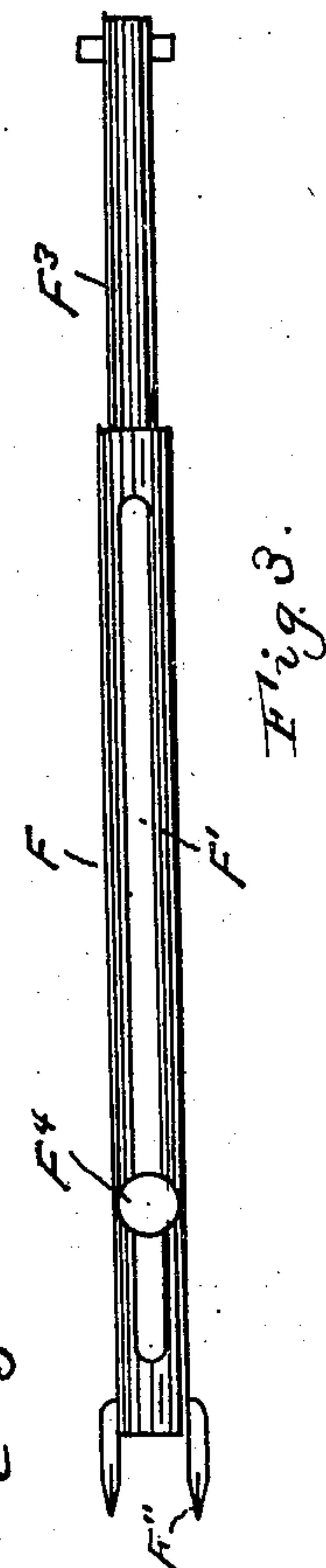
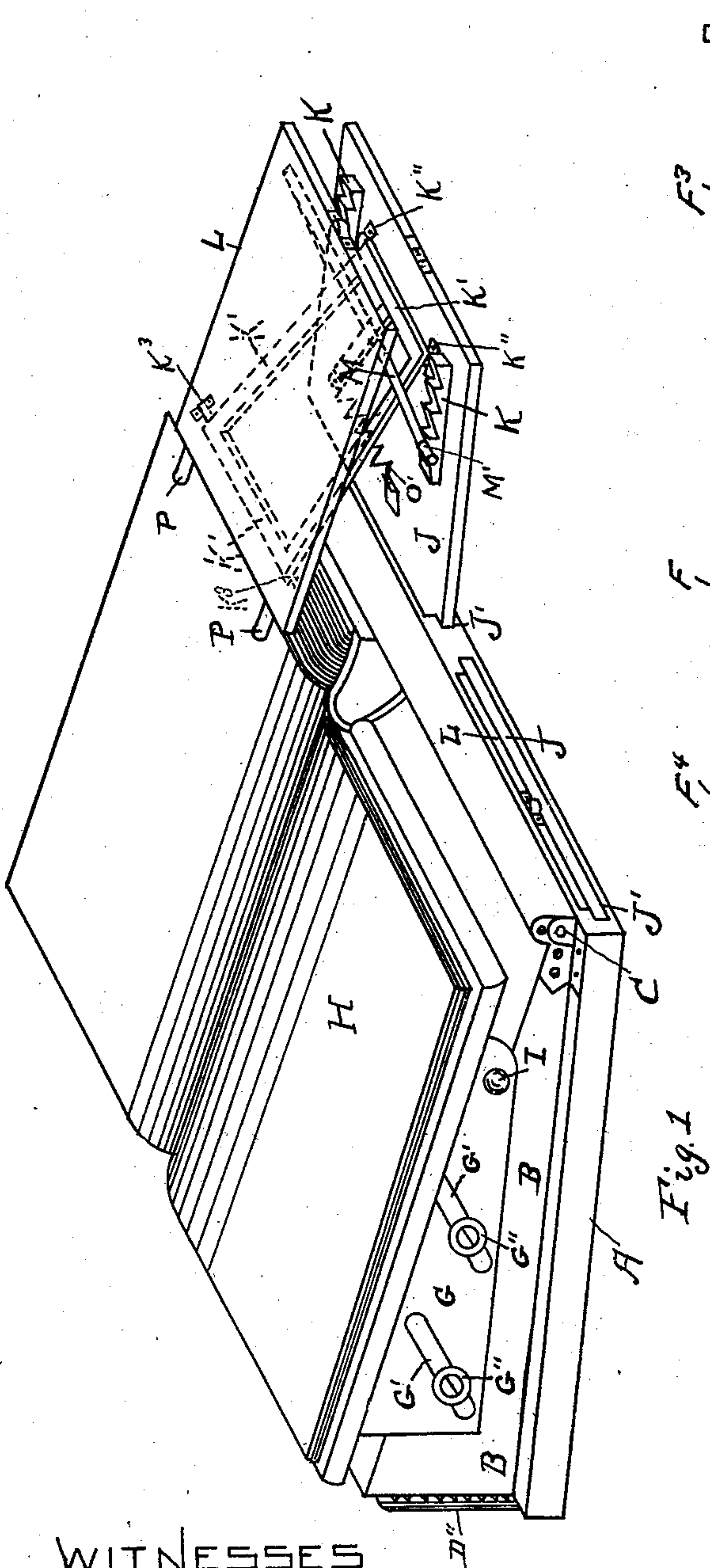
No. 710,104.

Patented Sept. 30, 1902.

O. G. LAW.
BOOK SUPPORT AND ARM REST

(Application filed Apr. 6, 1901.)

(No Model.)



WITNESSES
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BOOK-SUPPORT AND ARM-REST.

SPECIFICATION forming part of Letters Patent No. 710,104, dated September 30, 1902.

Application filed April 6, 1901. Serial No. 54,701. (No model.)

To all whom it may concern:

Be it known that I, OLIVER G. LAW, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Book-Supports and Arm-Rests; and I do 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in combined adjustable book-supports. The device is especially adapted for large and heavy books—such, for example, as are used in recorders' offices.

The object of the invention is to provide a device of this character by means of which the book may be easily and quickly adjusted to the necessary positions and by means of which the arm may be supported in an easy and natural position to enable the bookkeeper or other person to make the entries therein without fatiguing the arm or the back when writing at the bottom of a page.

Preceding a detail description of my invention, reference is made to the accompanying drawings, of which—

Figure 1 is a perspective view of my improved combined book-support and arm-rest, showing a book thereon. Fig. 2 is a rear perspective view with the book removed, showing the desk elevated by the adjusting devices. Fig. 3 is a detail view of the adjusting mechanism for elevating the desk.

Throughout the specification similar letters of reference indicate corresponding parts.

A designates a base-board.

B is a desk or book support which is triangular in end elevation and has a hinged connection at C with the front end of the base-board.

D designates a rod which is pivoted at D' to the rear edge of the base-board and is controlled by a coil-spring E. The ends of the rod D are bent and project upwardly, as at D'', and said ends are provided with ratchet-teeth, as shown in Fig. 2.

E' designate ratchet-pieces which are se-

cured to the rear of the desk B and are always in contact with the ratchet D'', owing to the tension of the spring E maintaining the ratchets D'' in such contact. The top notch of each of the ratchets D'' is reversed, so as to catch in the corresponding notch on the top of E' to prevent the desk from being elevated above the ratchets. The desk may therefore be elevated and supported at any suitable height permitted by the length of the ratchets D''. I have provided additional means for supporting the desk B in a still higher position should it be necessary. These means consist of a tube F, having a longitudinal slot F' therein. This tube is secured to the base-board A by means of a staple or other suitable device F''. F³ is a telescopic rod in said tube, which may be elevated or lowered therein by means of a thumb-screw F⁴, the outer end of said rod coming in contact with the under side of the desk. It will therefore be seen that the desk B may be supported in higher positions than the means provided by the ratchets D'' and E'.

G designates adjustable sides, each of which has inclined slots G' therein through which project studs or pins G'', said studs or pins being secured to the sides of the desk B and providing guides which direct the movements of the sides G and which also support said sides in any position in which they may be moved. The upper edges of the sides G have inclinations which coincide with the upper surface of the desk B. As shown in Fig. 1, one of the sides is elevated to a position above the surface of the table B and is supporting one side of the book H. Each of said sides G has a finger-piece I, by means of which the sides are moved to any desired position. As shown in Fig. 2, the sides are in their lower position, the upper edges thereof coinciding with the plane of the upper surface of the desk.

It will be observed that there are a variety of adjustments obtainable by means herein described for supporting the book—namely, those several adjustments by means of which the position of the desk B may be varied, and, further, the adjustments obtainable through the side pieces G by means of which the sloping side of the book may be brought to a level position corresponding to the opposite side.

As shown in Fig. 1, an arm-rest is in a position on an incline which coincides with the upper surface of the book. This position is enabled by placing the ends M' of the ratchet-
5 bar M in the desired notches in the ratchets K, and there is thereby provided a rest which supports the arm in an easy and natural position.

Having described my invention, I claim—
10 A book rest or support comprising a base-board A, a desk having a hinged connection to the front end of said base-board, adjustable side pieces on said desk, the side pieces being of substantially triangular shape and having
15 two inclined slots therein, pins projecting from the stationary sides of the desk and entering

said inclined slots, by means of which said side pieces are slidingly supported in position to elevate the desk to desired positions, ratchet mechanism interposed between the rear ends 20 of the base-board and the desk whereby said desk may also be elevated to suitable positions, and additional means for supporting the desk in higher positions, substantially as shown and described. 25

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

OLIVER G. LAW.

Witnesses:

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