

SUPPORT FOR BOOKS AND OTHER ARTICLES.

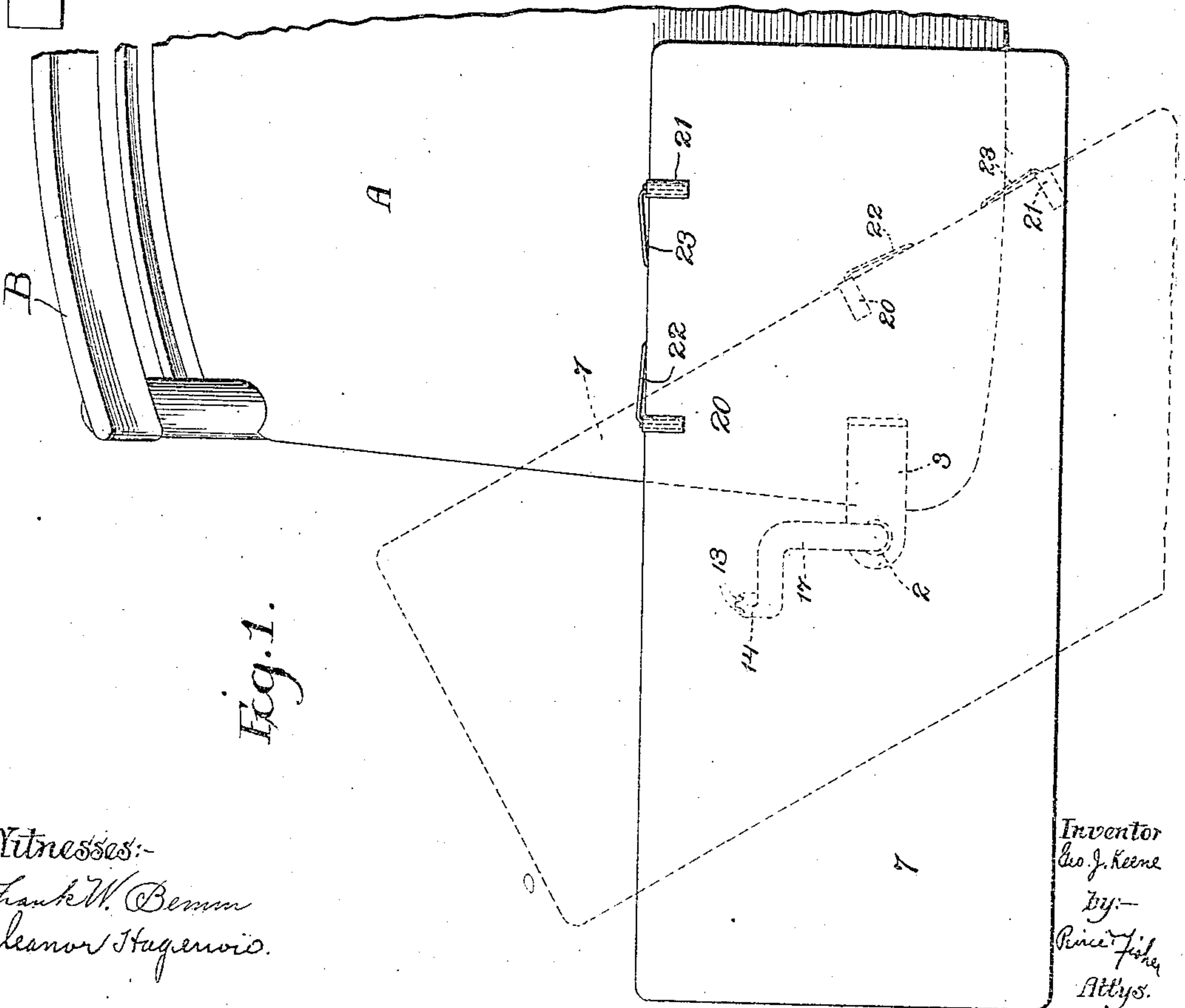
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2 SHEETS—SHEET 1.

Fig. 2.

Fig. 2.



161

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2 SHEETS—SHEET 2.

Eq. 4.

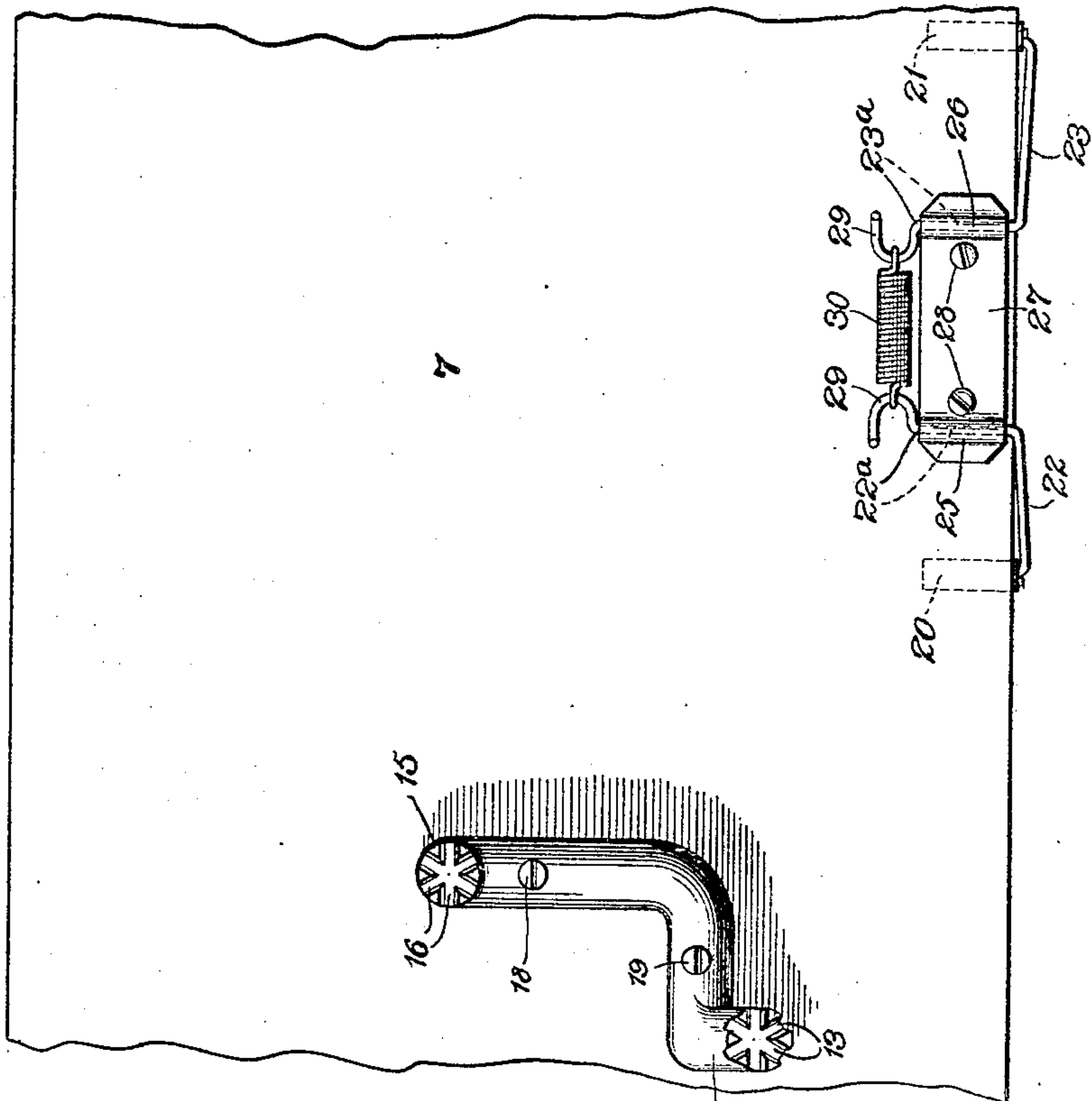


Fig. 3.

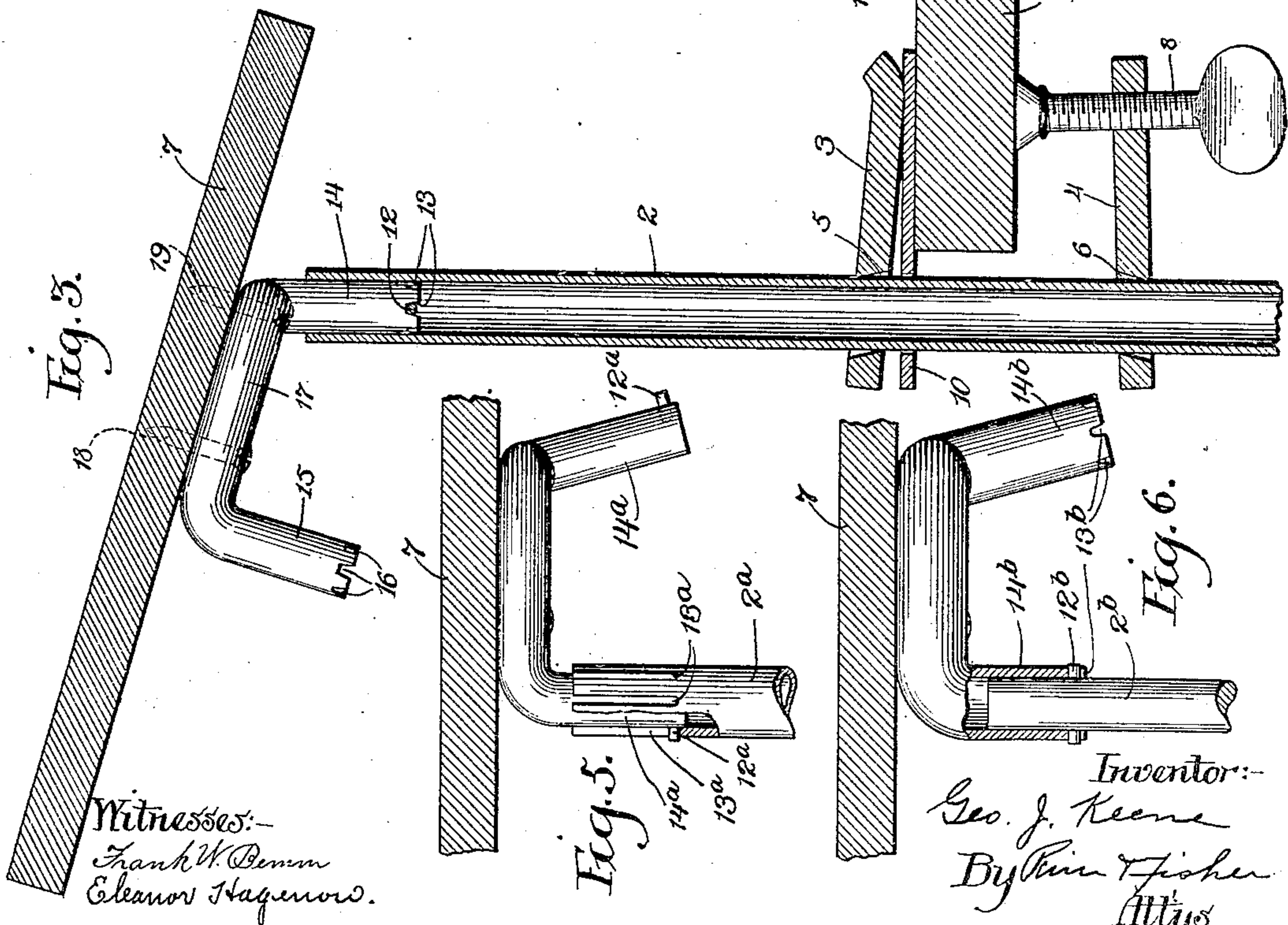


Fig. 6.

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR BOOKS AND OTHER ARTICLES.

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To all whom it may concern:

Be it known that I, GEORGE J. KEENE, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Supports for Books and Other Articles, of which I do declare the following to be a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

The present invention has for its object to provide a simple and effective support for books or other articles, the support being of such construction that it may be readily attached to the seat of a chair, the frame of a bedstead or the like.

The invention consists in the novel features of construction hereinafter described, illustrated in the accompanying drawings and particularly pointed out in the claims at the end of this specification.

Figure 1 is a plan view of a portion of a chair, showing my invention applied to the seat thereof. Fig. 2 is a view in vertical section through the chair seat, my improved support being shown in end elevation. Fig. 3 is a view similar to Fig. 2, but showing portions of the support in vertical section. Fig. 4 is an inverted plan view of the underside of the book-rest or table of the support, and the parts attached thereto. Figs. 5 and 6 are detail views showing slight modifications of the invention.

A designates the seat of a chair and B is the back thereof, the chair being shown merely to illustrate one of the uses to which my invention may be applied.

My improved support comprises a standard 2 that will be connected with the seat of the chair or other sustaining base by means of a suitable clamp. The preferred construction of clamp which constitutes one of the features of my invention comprises the upper and lower jaws 3 and 4 which will extend respectively above and below the chair seat or other sustaining base. The jaws 3 and 4 are formed with perforations 5 and 6, preferably oblique and oppositely disposed, through which the standard 2 passes, the standard 2 being thus made adjustable vertically to vary the height of the rest or table 7 that is sustained thereby. One of the jaws (preferably the lower jaw 4) is formed with a screw threaded hole through which passes the clamp screw 8, the

end of this screw being adapted to bear upon the chair seat A, as clearly shown in Figs. 2 and 3 of the drawings. When the jaws 3 and 4 are set in position for use with respect to the chair seat A or other suitable sustaining base, the turning of the clamp screw 8 will tend to spread the jaws 3 and 4 and cause the upper and lower edges of their perforations 5 and 6 to effectively grip the standard 2 and hold it against accidental movement. Hence, it will be seen that the jaws and the clamp screw not only serve to connect the support to the sustaining base A, but also to adjustably hold the standard 2 at the desired height. Preferably, a sheet of leather, felt or like soft material 10 is interposed between the upper jaw 3 and the chair seat or base A, so as to prevent the marring of the latter, this strip 10 being perforated, as shown, to permit the standard 2 to pass therethrough.

As shown, the standard 2 consists of a tubular rod through which passes a pin 12, this pin 12 being adapted to engage notches 13 that are formed at the lower end of a part or arm 14 that is fixed to the under side of the rest or table 7. Preferably, the lower end of the part or arm 14 has a series of notches 13 cut across its end, so that the rest or table 7 may be held in different positions. By thus providing a pin and notch connection between the standard 2 and the rest or table 7 the rest or table may be held at right angles to a line drawn from front to back of the chair, as shown by full lines in Fig. 1, or may be held in the inclined position shown by dotted lines or at any other desired position corresponding to the arrangement of the notches 13 at the end of the arm or part 14. The arm or part 14 is preferably detachable from the standard 2, and it will be readily seen that when it is desired to change the position of the support of the rest or table 7 it is only necessary to lift the latter until the pin 12 is free from the notches 13, after which the rest or table 7 may be turned to the desired position and then lowered to permit the pin 12 to reengage the notched end of the part or arm 14 and hold it against further movement.

Preferably, the part which adjustably connects the rest or table 7 with the upper end of the standard 2 has two arms 14 and 15, these arms being arranged at different angles with respect to the rest or table 7.

Thus the arm 15 is shown as at right angles to the plane of the rest or table 7, so that when this arm 15 is inserted into the upper end of the standard 2 and its notches 16 engage the pin 12, the rest or table 7 will be held in a horizontal plane and may be turned to any desired position, depending upon the number and arrangement of the notches 16 in its lower end. Preferably, the two arms 14 and 15 are formed from an integral piece of metal having a connecting portion 17 that is secured to the rest or table 7 as by screws 18 and 19.

In order to retain a book, a writing pad or like article in position upon the rest or table 7, I prefer to employ the novel means next to be described: Over the upper edge of the rest or table 7 extend the arms 20 and 21 that are preferably formed integral with the wire clips 22 and 23, the lower ends 22^a and 23^a of which are bent at an angle and extend beneath the under side of the rest or table 7 where they are journaled in the offset portions 25 and 26 of the retaining plate 27, this plate being secured to the under side of the rest or table 7 by screws 28. The angular portions 22^a and 23^a of the clips have their inner ends bent or offset to form hook-shaped portions 29 that are connected by a coiled spring 30 (see Fig. 4), this coiled spring 30 serving to normally force the arms 20 and 21 down toward the top surface of the rest or table 7, while permitting the arms 20 and 21 to be lifted when a book, a writing tablet, sheet music or the like is to be inserted beneath the arms 20 and 21. By preference the arms 20 and 21 will be covered with rubber tubing or other suitable yielding material.

In the foregoing description the operation of my improved support for books or other articles will be readily understood.

I wish it understood, also, that my invention is not restricted to the precise details of construction and that features of the invention may be used without its adoption as an entirety. Thus, by reference to Fig. 5 it will be seen that instead of forming notches upon the lower end of the arm that projects from beneath the rest or table, there may be provided an arm or arms 14^a carrying a pin 12^a adapted to enter slots or notches 13^a formed in desired number within the upper end of the standard 2^a. By withdrawing the arm 14^a from engagement with the standard 2^a, the pin 12^a may be set in any one of the open ended slots or notches 13^a, so as to hold the rest or table in desired position. So, also, by reference to Fig. 6 it will be seen that a standard consisting of a solid rod 2^b may be used with a pin 12^b passing therethrough, the ends of the pin 12^b engaging with notches 13^b formed at the lower end of a tubular arm 14^b that will project from beneath the rest or table.

Other modifications will readily occur to those skilled in the art.

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

1. A support of the character described, comprising in combination, a standard, means for connecting said standard to a sustaining base, a rest and a vertically movable and revoluble part connected to said rest and arranged to interlock in different positions with said standard.

2. A support of the character described, comprising in combination a standard, means for connecting said standard to a sustaining base, a rest, a part connected to said rest and an interlocking pin and notch connection between said part and said standard, whereby the rest may be held in different positions.

3. A support of the character described, comprising in combination a standard, means for connecting said standard to a sustaining base, a rest, and a part connected to said rest, said standard being provided with a pin and said part being provided with a series of notches to engage said pin, whereby the rest may be held in different positions.

4. A support of the character described, comprising in combination a standard, means for connecting said standard to a sustaining base, a rest, a part connected to said rest and revoluble with respect to said standard, and a pin and slot connection between said standard and said part.

5. A support of the character described, comprising in combination a standard, means for connecting said standard to a sustaining base, a rest, an arm connected to said rest and detachable from said standard, and a pin and notch connection between said arm and said standard.

6. A support of the character described, comprising in combination, a standard, means for connecting said standard to a sustaining base, a rest and a vertically movable and revoluble part connected to said rest, said part having a plurality of arms adapted to engage said standard to hold said rest at different angles, said standard and one of said arms being provided with interlocking means whereby said rest may be held in different positions.

7. The combination with a standard, of clamping jaws for securing the standard to a base, said clamping jaws having holes therein through which the standard loosely passes and screw mechanism for causing said jaws to clamp the sustaining base and to spread said jaws in order to grip said standard in desired position.

8. The combination with a standard, of clamping jaws for securing the standard to a base, said clamping jaws having holes

formed through them through which holes the standard loosely passes, the hole of one of said jaws being oblique, and a screw extending through one of said jaws and
5 whereby the jaws are caused to bear upon the opposite sides of said standard, the free end of said screw extending in position to engage the article whereon the standard is to be clamped.

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