

J. L. YOUNG.
BOOK REST OR TABLE.
APPLICATION FILED JAN. 24, 1911.

993,493.

Patented May 30, 1911.

2 SHEETS—SHEET 1.

FIG. 1.

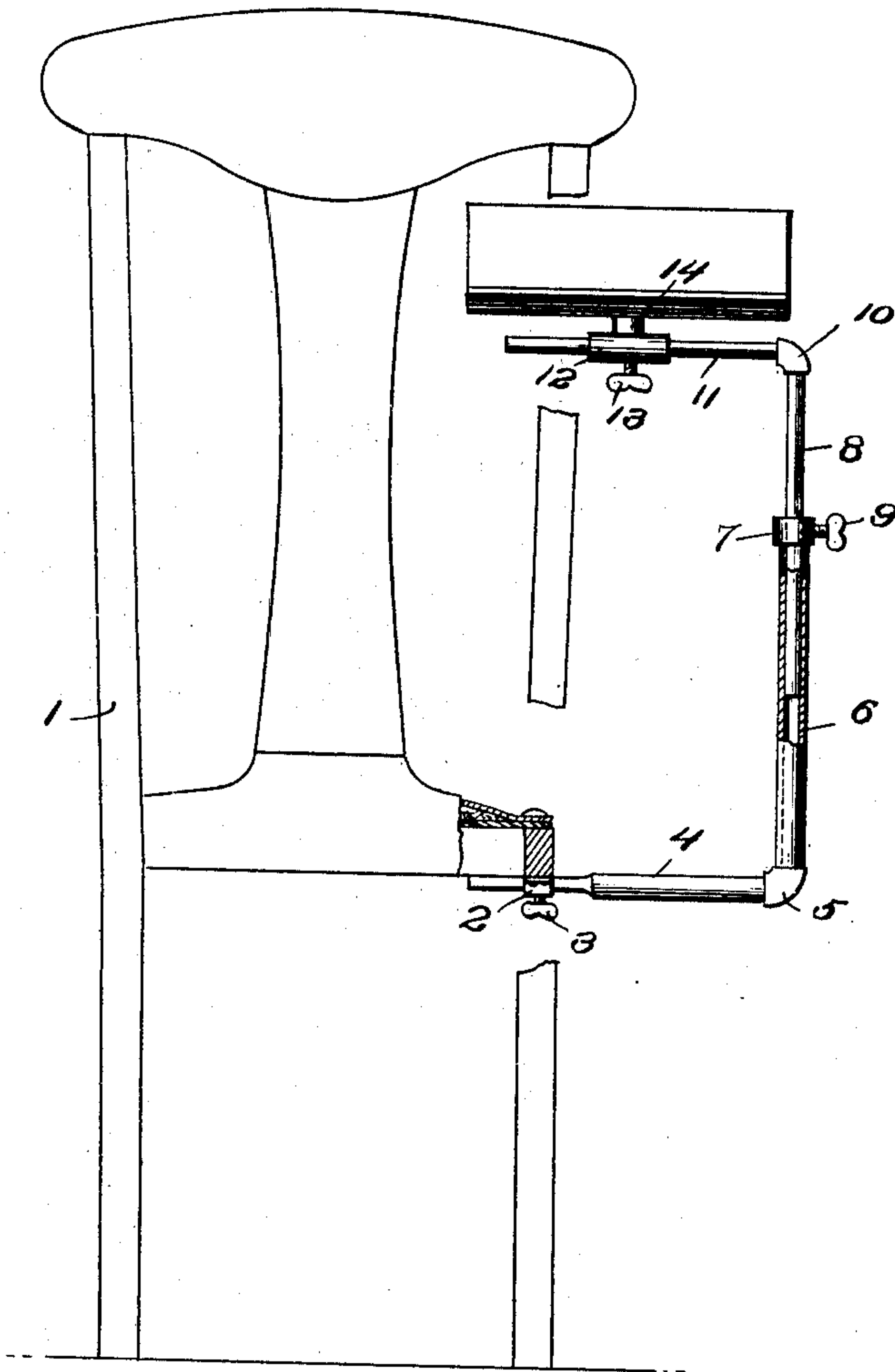
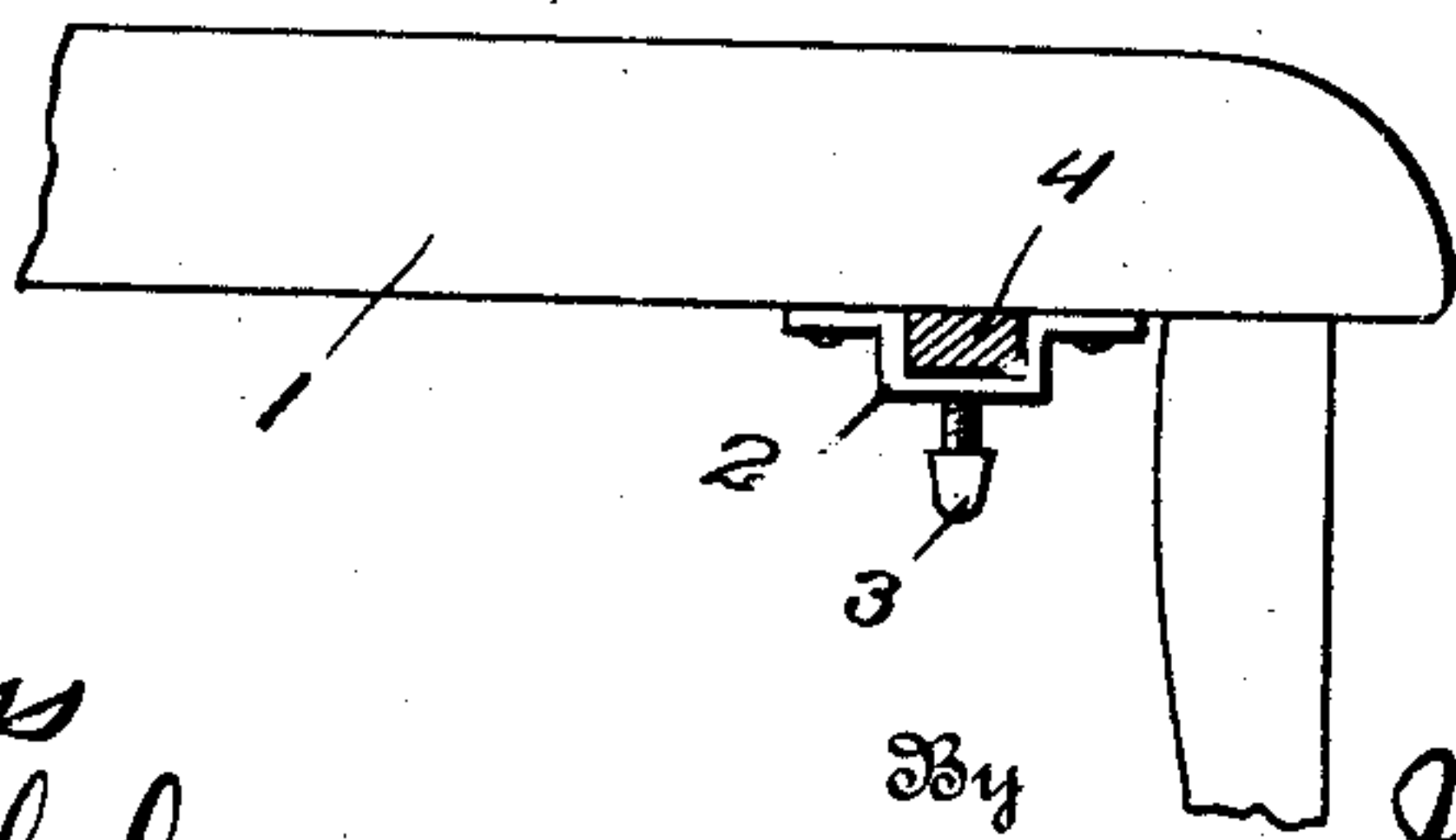


FIG. 2.



Witnesses

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2 SHEETS—SHEET 2.

FIG. 2.

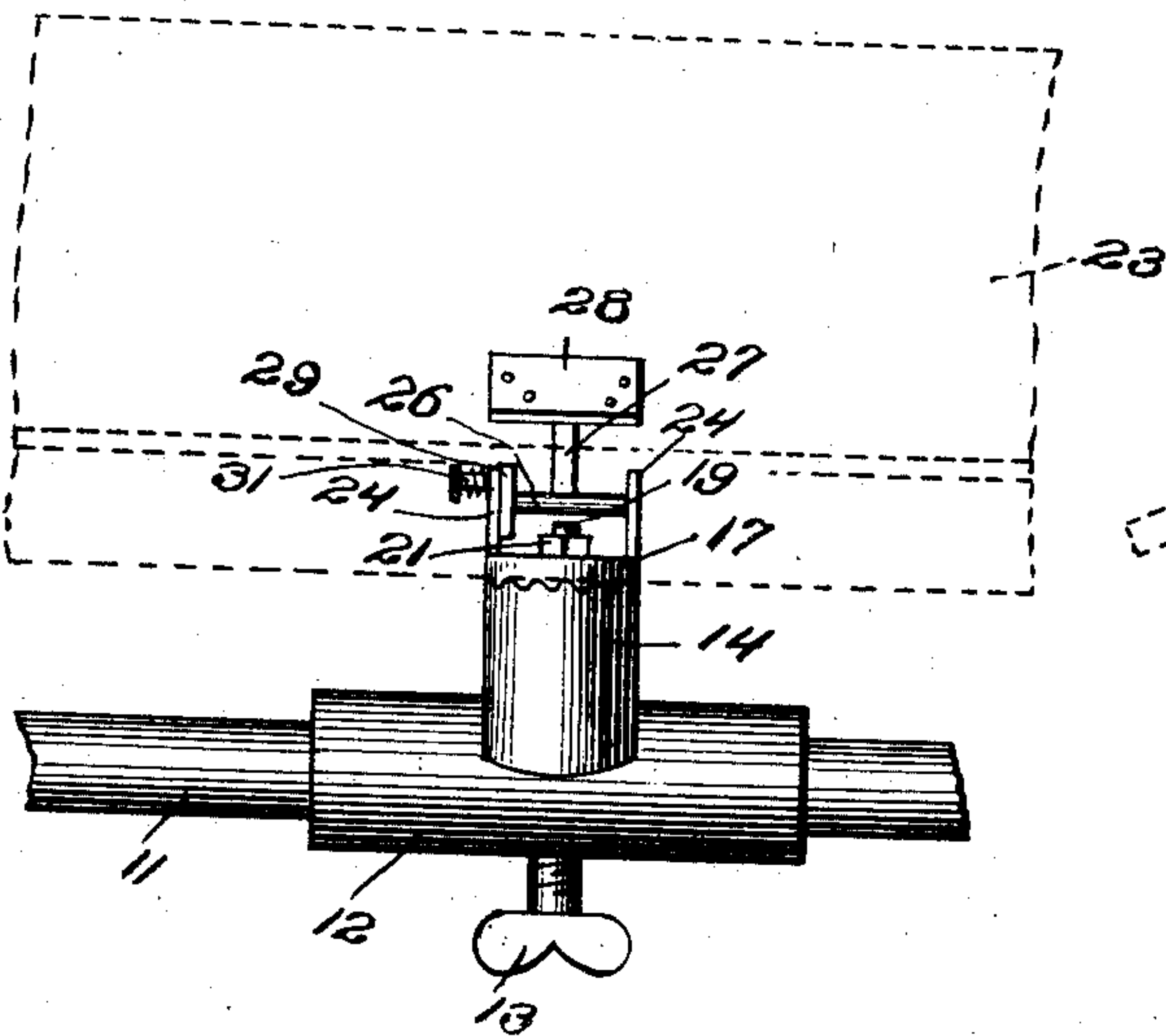


FIG. 3.

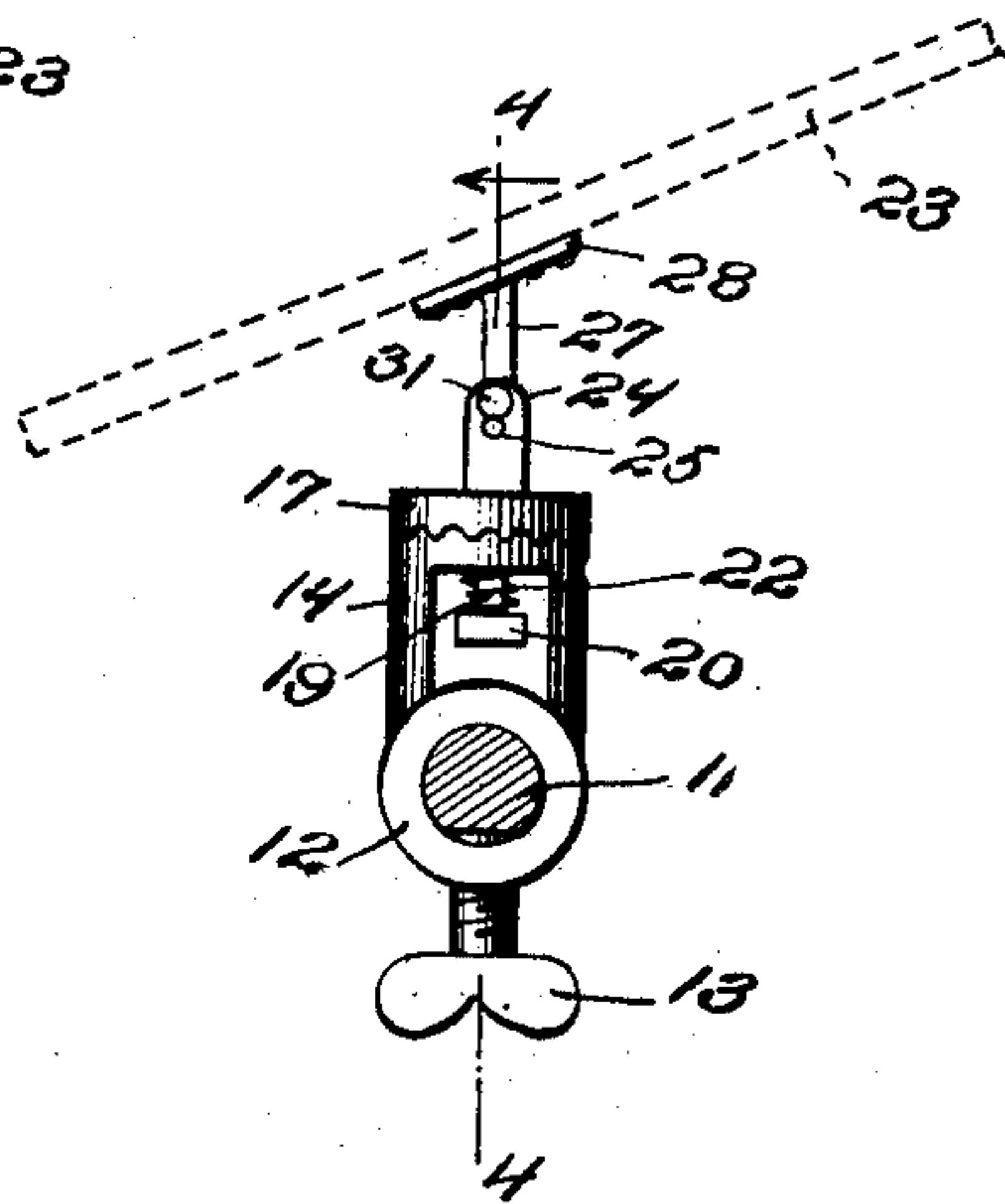


FIG. 4.

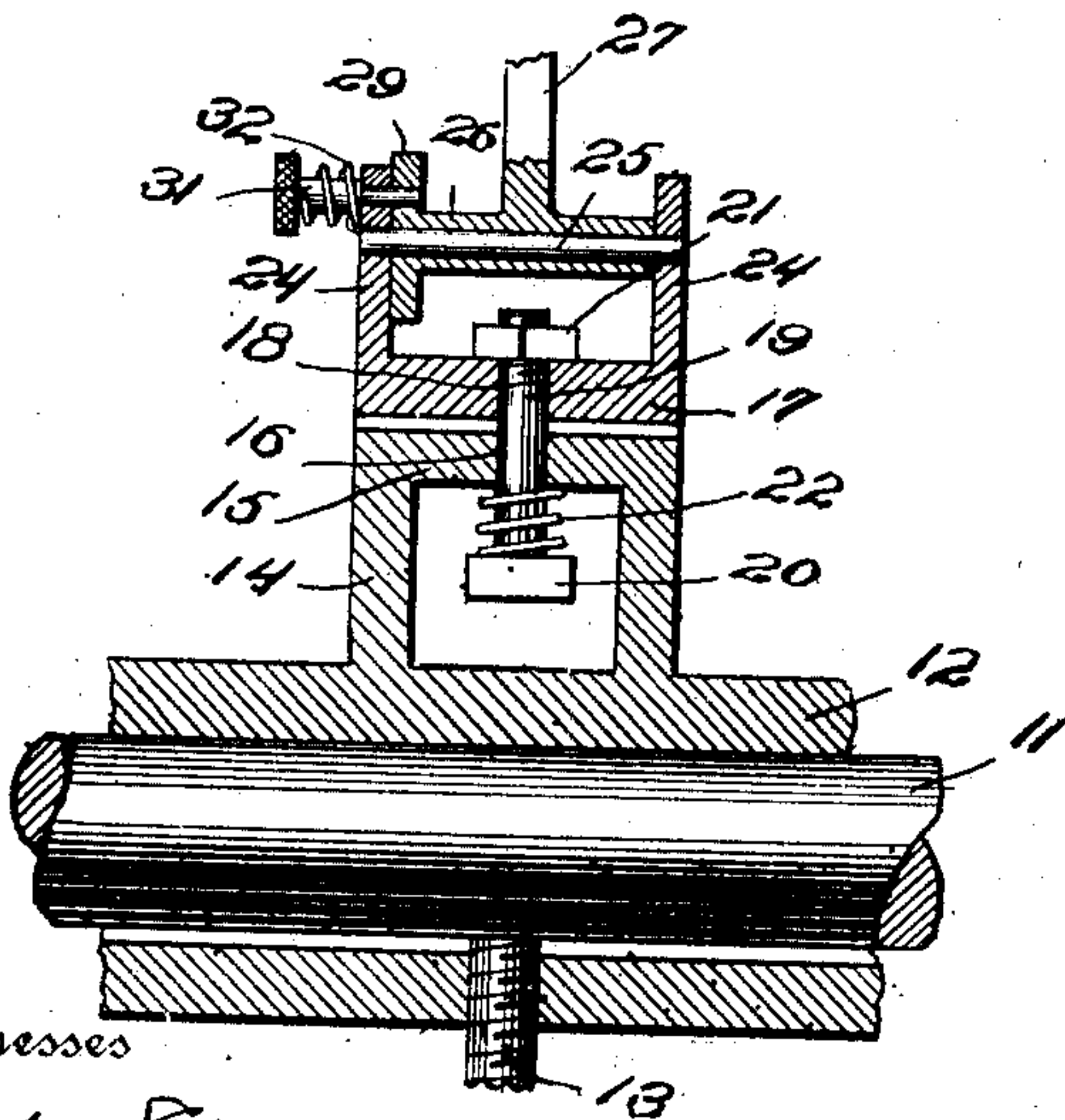


FIG. 5.

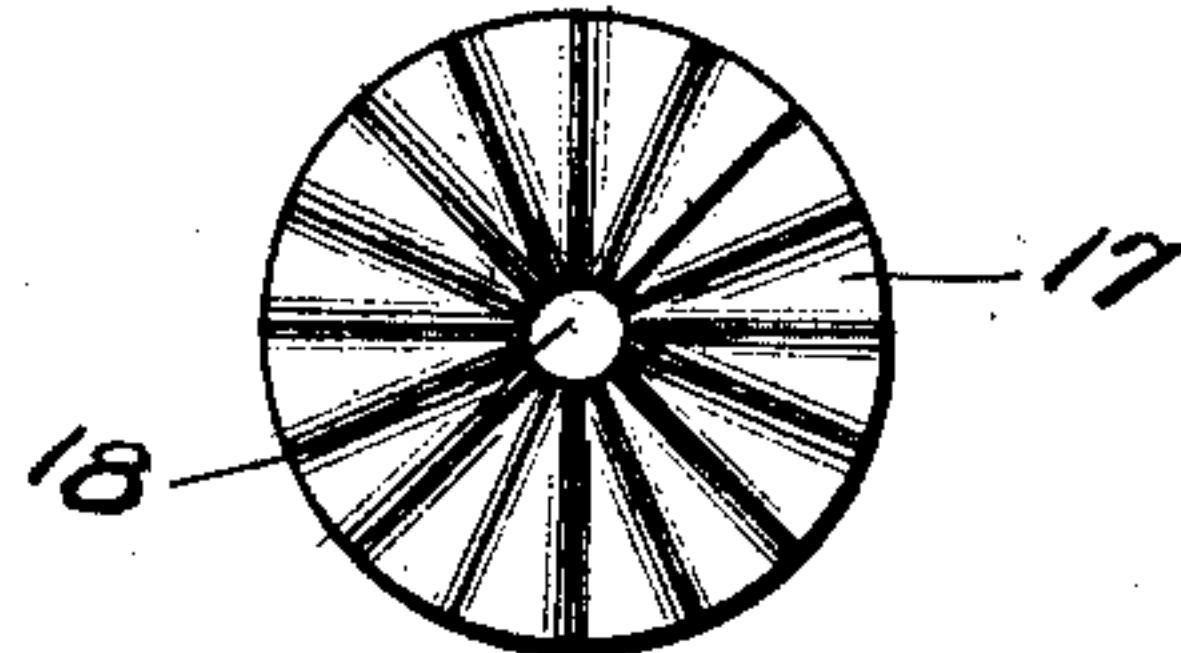
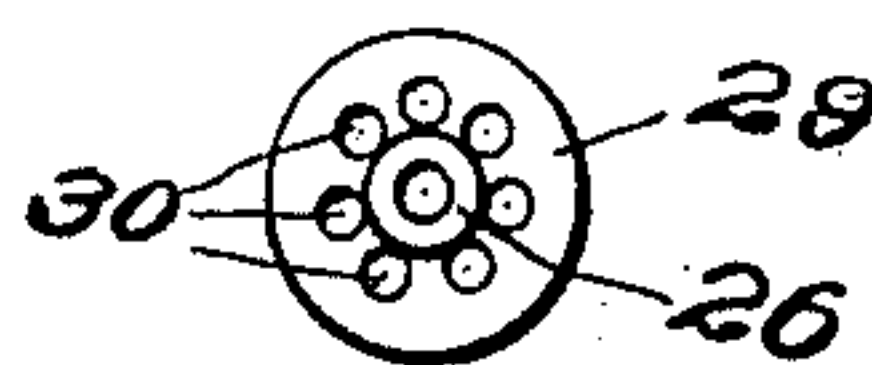


FIG. 6.



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BOOK REST OR TABLE.

993,493.

Specification of Letters Patent.

Patented May 30, 1911.

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To all whom it may concern:

Be it known that I, JOHN L. YOUNG, a citizen of the United States, residing at Collingswood, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Book Rests or Tables, of which the following is a specification.

My invention relates to improvements in book rests or tables, the object of the invention being to provide an improved device of this character which may be attached to a chair, a bed, or any other article of furniture, which is especially adapted for use as a support for a book, or it may be utilized as a table for supporting various articles.

A further object is to provide an improved mounting for the book rest or support, so that the latter may be readily adjusted to any angle, or adjusted to any rotary position.

Heretofore devices of this kind required considerable strength to lock them at positions of adjustment.

It is the purpose of my improvement to provide means which require very slight exertion to effectually lock the support in the desired position. This is of great importance, especially as the device may be used largely by invalids, who otherwise could not adjust the device for themselves.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view partly in section and partly in elevation illustrating my improvements attached to a chair. Fig. 1^a is an enlarged detail view illustrating the supporting brackets secured to the chair. Fig. 2, is a view in elevation showing the support in dotted lines and illustrating my improved adjusting coupling. Fig. 3, is a view at right angles to Fig. 2. Fig. 4, is an enlarged view in longitudinal section of my improved coupling, and Figs. 5, and 6, are views of details of construction.

1, represents a chair in the under face of which an angle bracket 2 is secured, that is provided with a set screw 3 to clamp a laterally projecting arm 4 in the bracket. This arm 4 is made angular so as to prevent any rotary movement in bracket 2 and at its

outer end is connected by an elbow 5 with a tubular standard 6, having a flanged upper end 7. In this standard 6, a vertical rod 8 telescopes and is clamped at the desired adjustment by means of a thumb screw 9. The vertical rod 8 is connected by an elbow 10 with a horizontal rod 11 on which my improved coupling or support is mounted. Referring particularly to Figs. 2, 3, and 4, it will be seen that this coupling is provided with a sleeve 12 to receive rod 11, and a set screw 13 clamps the sleeve against rotary movement on the rod, the rod being preferably flattened on its lower face where it is engaged by the set screw 13, as clearly shown in Fig. 3. A hollow post 14 is made integral with sleeve 12, and its upper circular end 15 is provided with a central opening 16, and on its upper face is corrugated radially as shown in Fig. 5.

17, represents a turn table which is of the same diameter as the circular end 15, and is also corrugated to interlock with the corrugations of end 15. This table 17 is made with a central opening 18 to register with opening 16 for the accommodation of a bolt 19, said bolt having a head 20 at its lower end, and an adjusting nut 21 at its upper end. A coiled spring 22 is positioned between the head 20 and the lower face of end 15, so as to exert spring pressure on the table 17, and hold its corrugations interlocked with the corrugations of the end 15, yet permit rotary movement of the turn table when pressure is applied on the supporting shelf 23 as will be hereinafter made clear.

Turn table 17 is provided with parallel perforated ears 24, in which a pin 25 is secured, and provides rotary mounting for a sleeve 26 having an integral arm 27. A plate 28 at the free end of this arm 27 is secured to the shelf 23, so that the shelf is supported on the turn table. On one end of sleeve 26, an integral disk 29 is located and is provided with a circular series of openings 30 to receive in any of them a spring-pressed pin 31 supported in one of the arms 24 and projected through an opening therein. A coiled spring 32 is secured at one end to the pin, and at the other end to the ear 24, so as to always tend to press the pin into locking position, but will permit the pin to be drawn outward far enough to draw it out of one of the openings 30, allowing sleeve 26 to turn to the desired angle, when a release of the pin will cause it to spring into one of the

openings 30 and secure the support in that position.

It will be noted that the support can be readily turned in the arc of a circle by simply exerting a slight pressure on the shelf which will cause the corrugations of the turn table 17 and end 15 to ride in and out of each other, until the proper adjustment is had, the spring 22 holding the turn table against accidental movement. By withdrawing pin 31, the shelf 23 may be adjusted to the desired angle, hence neither of these adjustments require any material exertion or strength, and this coupling is therefore especially adapted for use by invalids and will permit them to adjust the shelf or support at the desired angle without calling for assistance and without any danger of accidental movement.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A device of the character described, comprising a supporting bracket, a horizontal arm secured to said bracket, a vertical tube secured to said arm, a vertical rod telescoping in said tube, a horizontal arm secured to said vertical rod, and a coupling secured on said arm, said coupling comprising a sleeve to receive the arm, a hollow post on said sleeve having a radially corrugated end, a turn table having a radially corrugated lower face engaging the corrugations on said post, a bolt projected centrally through said turn table and post, a spring on said bolt holding said turn table on the post, perforated ears on said turn table, a shelf pivotally connected to said perforated ears, and means for holding said shelf at various angles relative to the turn table, substantially as described.

2. A device of the character described, comprising a supporting bracket, a horizontal arm secured to said bracket, a vertical tube secured to said arm, a vertical rod telescoping in said tube, a horizontal arm secured to said vertical rod, and a coupling secured on said arm, said coupling comprising a sleeve to receive the arm, a hollow post on said sleeve having a radially corrugated end, a turn table having a radially corrugated lower face engaging the corrugations on said post, a bolt projected centrally through said turn table and post, a spring on said bolt holding said turn table on the post, perforated ears on said turn table, a journal pin secured in said perforated ears, a sleeve on said pin, an arm on said sleeve, a shelf on said arm, and means for locking said sleeve at various rotary adjustments, substantially as described.

3. A device of the character described, comprising a supporting bracket, a horizontal arm secured to said bracket, a vertical tube secured to said arm, a vertical rod telescoping in said tube, a horizontal arm secured to said vertical rod, and a coupling secured on said arm, said coupling comprising a sleeve to receive the arm, a hollow post on said sleeve having a radially corrugated end, a turn table having a radially corrugated lower face engaging the corrugations on said post, a bolt projected centrally through said turn table and post, a spring on said bolt holding said turn table on the post, perforated ears on said turn table, a journal pin secured in said perforated ears, a sleeve on said pin, an arm on said sleeve, a shelf on said arm, an integral disk on said sleeve having a circular series of openings, and a spring-pressed pin on one of said ears adapted to be projected through any of said openings, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

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Witnesses:

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