

A. R. LERRO.  
SEAT ATTACHMENT FOR BARBERS' CHAIRS.  
APPLICATION FILED AUG. 20, 1909.

963,595.

Patented July 5, 1910.

3 SHEETS—SHEET 1.

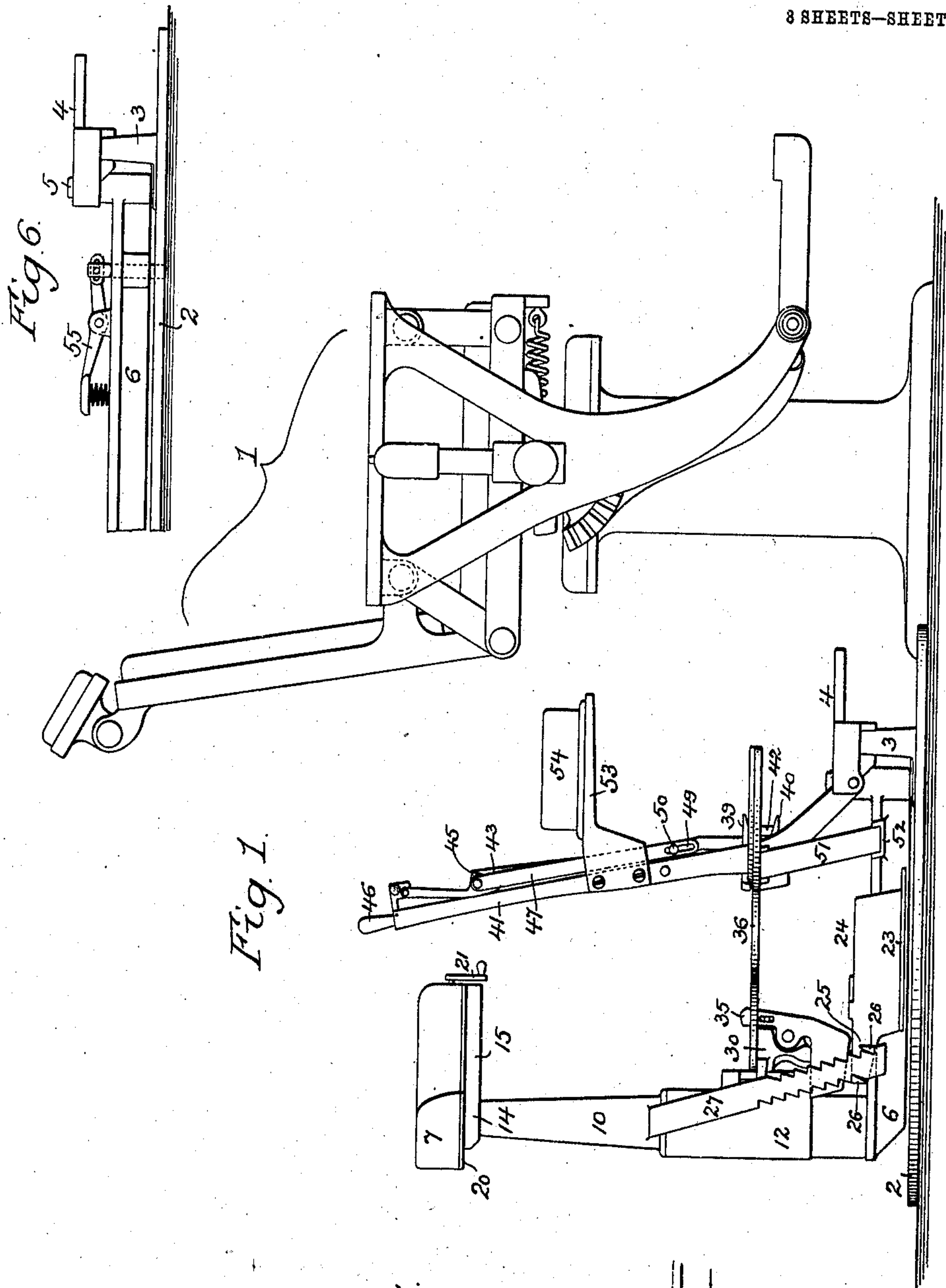


Fig. 1.

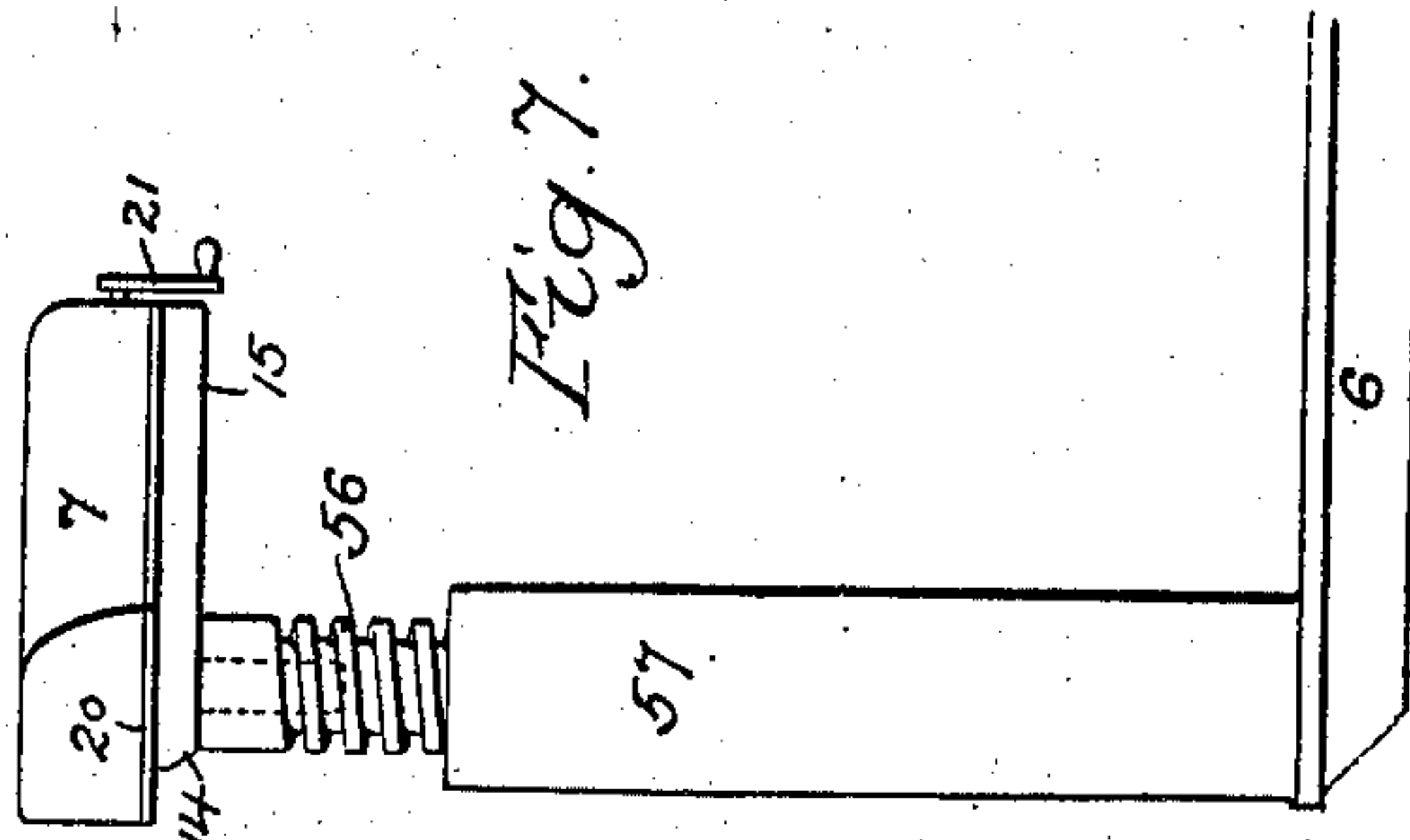


Fig. 7.

Witnesses  
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3 SHEETS—SHEET 2.

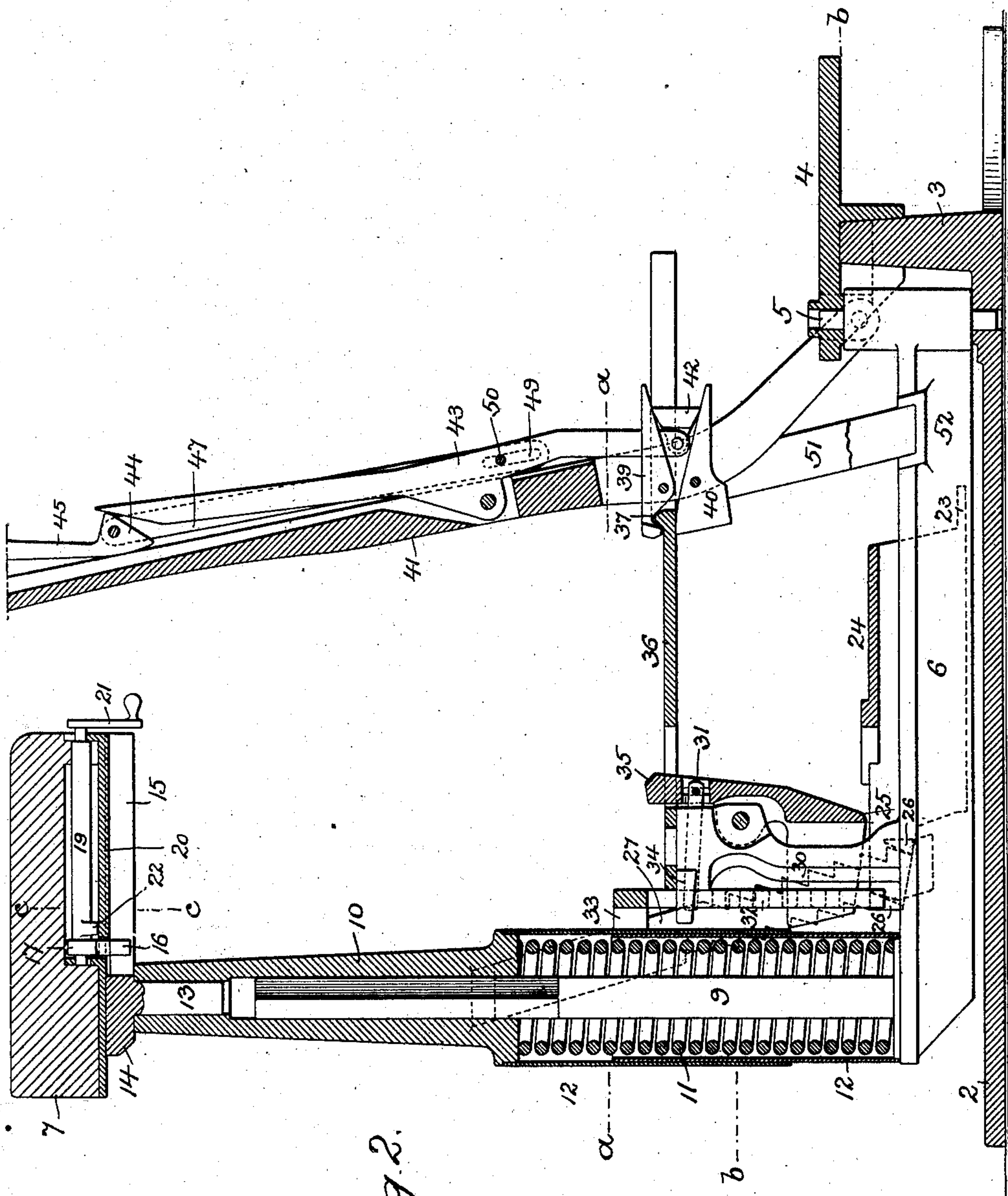


Fig. 2.

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3 SHEETS—SHEET 3.

Fig. 3

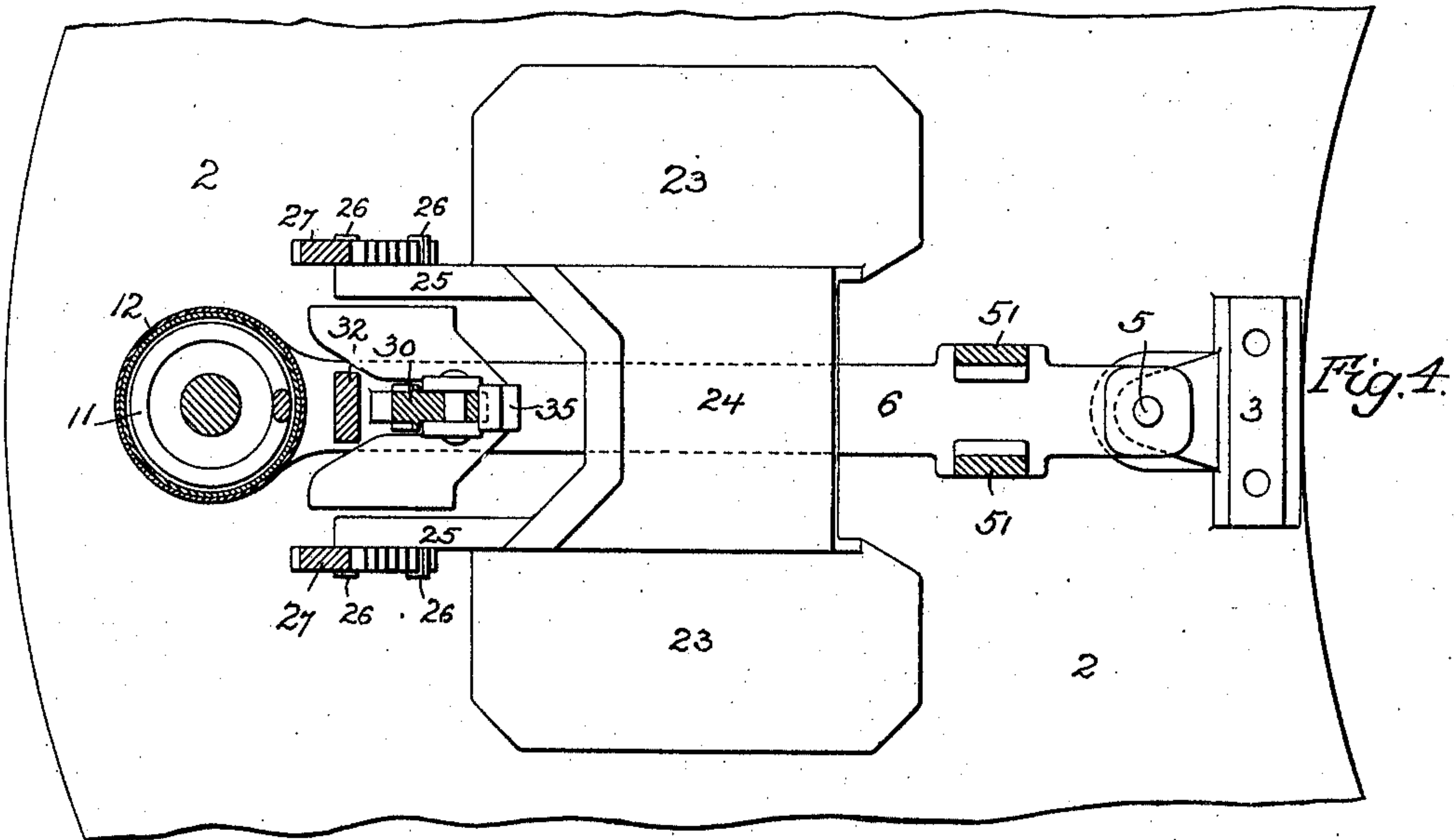
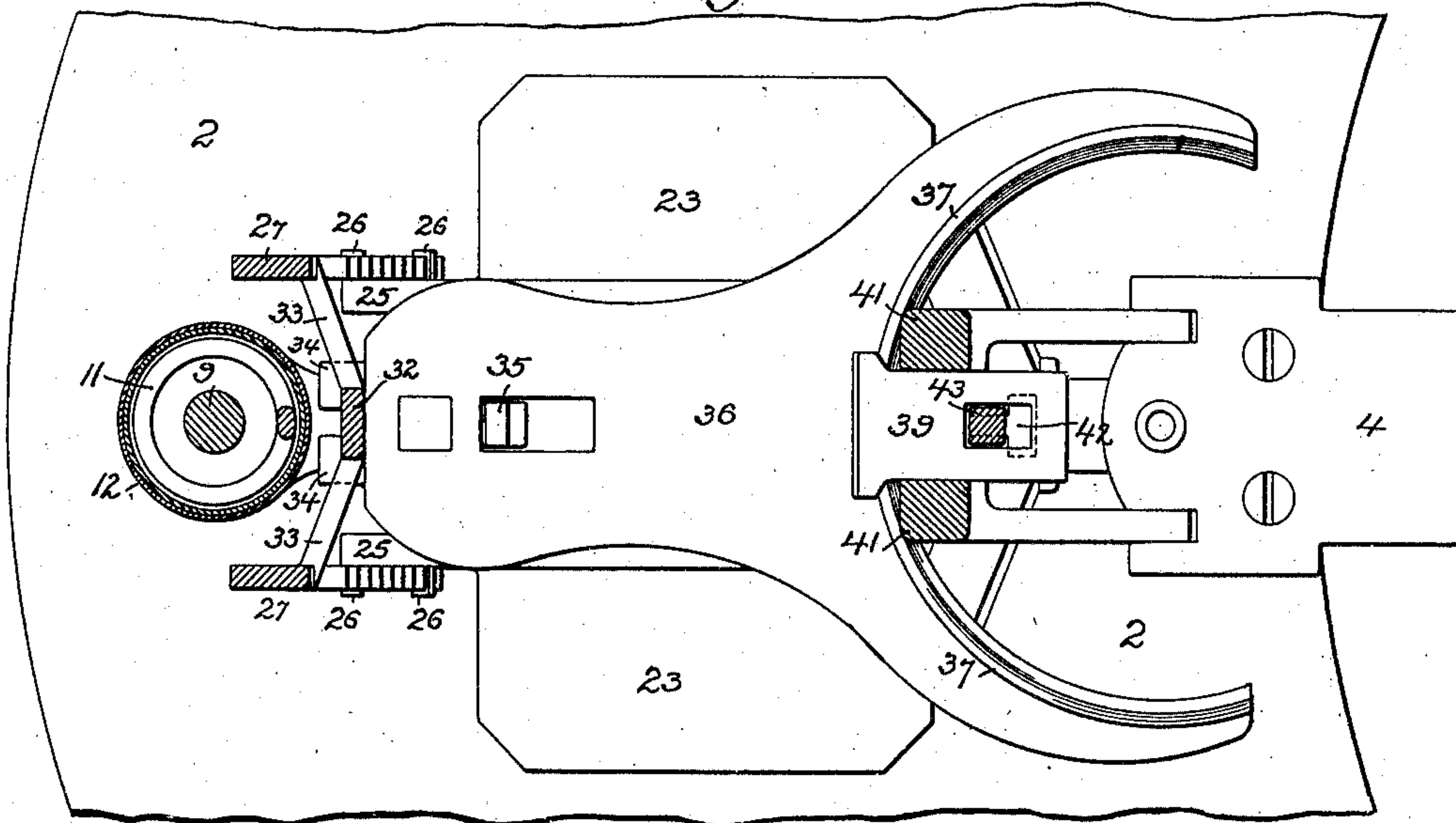


Fig. 4.

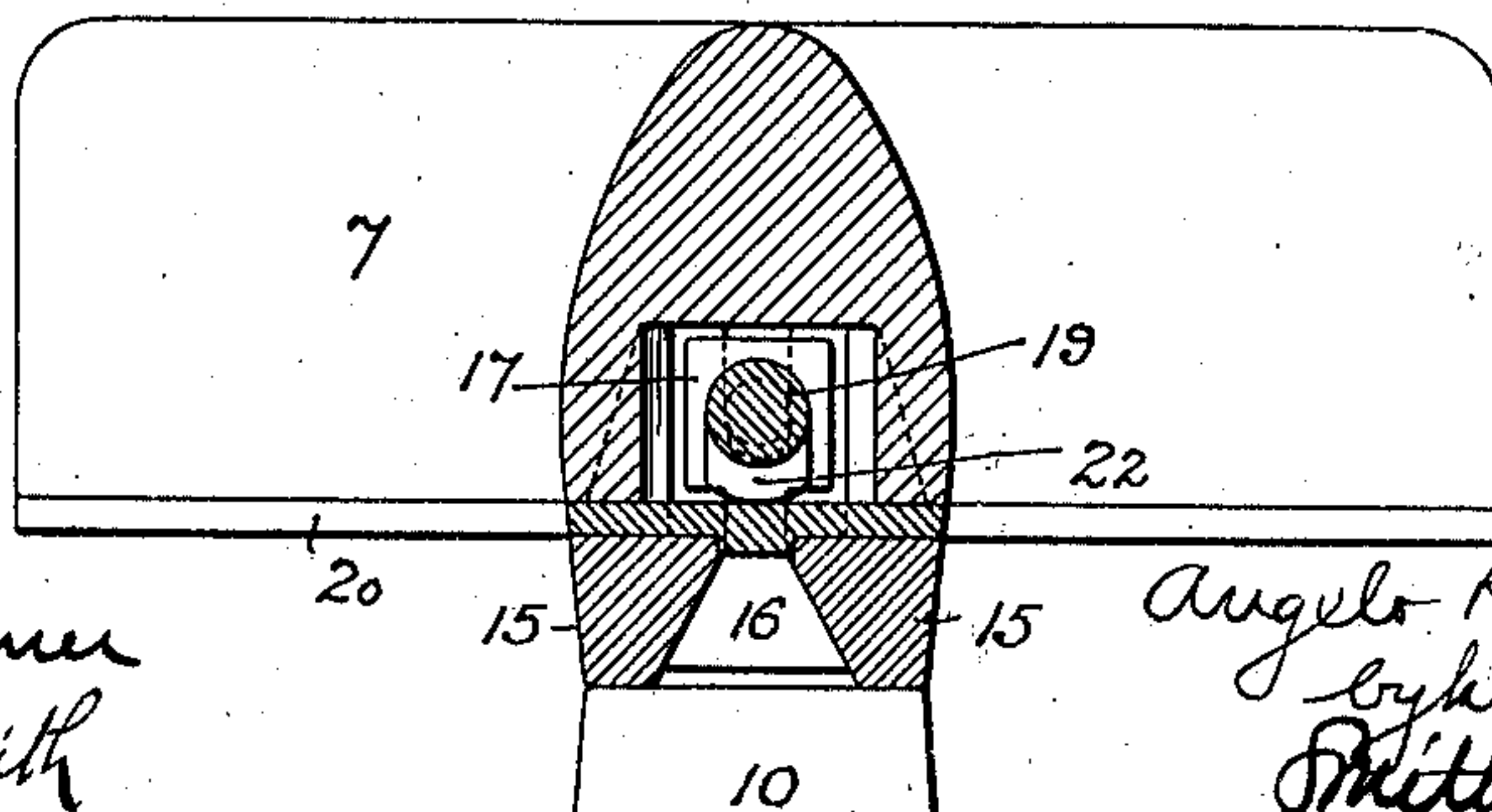


Fig. 5.

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# UNITED STATES PATENT OFFICE.

ANGELO RAFFAELE LERRO, OF PHILADELPHIA, PENNSYLVANIA.

SEAT ATTACHMENT FOR BARBERS' CHAIRS.

963,595.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed August 20, 1909. Serial No. 513,785.

*To all whom it may concern:*

Be it known that I, ANGELO RAFFAELE LERRO, a subject of the King of Italy, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Seat Attachments for Barbers' Chairs, &c., of which the following is a specification.

The object of my invention is to provide a seat for use in connection with a barber's or dentist's chair so as to relieve the operator from the fatigue of standing while in attendance upon the person occupying the chair. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a barber's chair illustrating, in operative relation thereto, an attendant's seat constructed in accordance with my invention; Fig. 2 is a view, partly in side elevation and partly in vertical longitudinal section, and on a larger scale, of certain of the elements of the seat attachment; Fig. 3 is a sectional plan view on the line *a—a*, Fig. 2; Fig. 4 is a sectional plan view on the line *b—b*, Fig. 2; Fig. 5 is a transverse vertical section, on an enlarged scale, on the line *c—c*, Fig. 2, and Figs. 6 and 7 are views illustrating certain modifications of the invention.

In Fig. 1 of the drawings, 1 represents a barber's or dentist's chair which may be of any ordinary construction, the chair itself forming no part of my invention. Resting on the floor adjacent to the base of the chair is another base plate 2 having a pedestal 3 and cap 4, and in said base and cap are formed bearings for the pivot pin 5 of a swinging arm 6 which carries the attendant's seat 7, the pivot pin 5 being so located in respect to the chair 1 that the seat 7 can be swung around the same throughout such portion of a circle that the attendant occupying the seat 7 may have convenient access to the person occupying the chair so as to readily perform any of the services required of a barber or dentist.

Extending upwardly from the outer end of the arm 6 is a spindle 9 upon whose upper portion is fitted, so as to slide vertically, the seat post 10 which is supported upon a coiled spring 11 interposed between the base of the same and the swinging arm 6, said spring being inclosed within a telescopic casing 12, as shown in Fig. 2.

The upper end of the spindle 9 is squared or otherwise formed so as to prevent the ro-

tation of the seat post 10 thereon, but the upper portion of said seat post provides a bearing for a depending pivot pin 13 upon a rotatable head 14, which carries the seat. The head 14 has a projecting arm 15 with a beveled slot for the reception of the correspondingly beveled head 16 of a locking plate 17, which is mounted upon a shaft 19, free to turn in bearings projecting upwardly from the base plate 20 of the seat, said shaft having at its front end a handle 21, and near its rear end, and adjacent to the locking plate 17, a cam 22, whereby, when the shaft is turned so as to cause said cam to bear upon the base plate 20 of the seat, the rear end of the shaft will be lifted, carrying with it the locking plate 17 and causing the head 16 of said locking plate to bind in the beveled slot of the arm 15 and lock the seat thereto. The rear bearing for the shaft 19 is slotted in order to permit this slight vertical movement of the shaft therein.

When the shaft 19 is turned so as to free the cam 22 from contact with the base plate of the seat the hold of the beveled head of the locking plate upon the slotted arm 15 is released and the seat 7 can then be moved to and fro upon the head 14 so as to adjust the seat nearer to or farther from the chair and can be again locked in position, after adjustment, by turning the shaft 19 so as to cause the cam 22 to again bear upon the base plate of the seat, as shown in Figs. 2 and 5.

The seat is provided with a vertically adjustable foot rest comprising foot plates 23, one on each side of the swinging arm 6, these foot plates being connected together by a raised central bridge plate 24, which has rearwardly projecting arms 25 provided with lugs 26, the latter, when the foot rest is in a horizontal position, engaging the toothed front and rear edges of bars 27 depending from the seat post 10, one on each side of the same. By lifting the front of the foot rest, however, the lugs 26 can be freed from engagement with the toothed edges of the bars 27, and said foot rest can then be raised or lowered to any desired vertical position in respect to the seat and can be secured in such adjusted position by lowering the front of the foot rest so as to cause the lugs 26 to again engage with the toothed edges of the bars 27. The seat 7 can also be adjusted vertically in respect to the swinging arm 6, and can be locked in position after any such adjustment, the



means adopted for this purpose being shown in Figs. 2, 3 and 4, and consisting of a post 30, projecting upwardly from the swinging arm 6 and carrying a sliding bolt 31, which is adapted to enter any one of a series of vertically separated openings formed in a bar 32, connected by wings 33 to the depending bars 27 and guided in its vertical movement by means of hooked lugs 34 at the upper end of the post 30, as shown in Figs. 2 and 3.

At its forward end the bolt 31 is in engagement with a lever 35 pivotally mounted upon the post 30 and weighted at the bottom, so that it has a constant tendency to force the bolt 31 into one or other of the openings in the depending bar 32, the upper arm of the lever 35, however, being readily actuated, either by the hand or by the foot, so as to withdraw the bolt 31 from engagement with the bar 32 when a vertical readjustment of the seat 7 is required.

Mounted upon the upper end of the post 30 so as to be incapable of turning thereon is a plate 36, whereby the seat 7 can be retained in any position to which it may have been adjusted in its swinging movement around the chair 1, such retention of the seat being effected by means shown in Figs. 1, 2 and 3, on reference to which it will be noted that that portion of the plate which is adjacent to the chair is forked and presents a segmental rib or flange 37, the flanged segmental portion of the plate being engaged by jaws constituting part of clamping levers 39 and 40 pivotally mounted upon the forked lower portion of a post 41 which is pivotally mounted at its lower end upon the head 4 on the base plate 2.

The outer arms of the clamping levers 39 and 40 are tapered and between said tapered arms is interposed a wedge block 42, pivotally hung upon the lower arm of a lever 43 which passes through a slot in the upper clamping lever 39, as shown in Fig. 2.

The upper end of the lever 43 is beveled and is acted upon by a wedge block 44, interposed between said beveled upper end of the lever 43 and the front of the post 41, as shown in Fig. 2, said wedge block having an upwardly extending arm 45, which is connected to an operating lever 46, pivotally mounted upon the upper end of the post 41, as shown in Fig. 1.

The sliding wedge block 42 is supported and guided in its movements by means of links 47, connected to the opposite sides of said wedge block and extending downwardly, one on each side of the lever 43, the lower ends of said links being slotted, as shown at 49, for the reception of guide pins 50 projecting from the opposite sides of the lever, as shown in Figs. 1 and 2. When, therefore, the wedge block 45 is forced downwardly, the lever 43 will be ac-

tuated so as to draw the wedge block 42 inwardly between the tapered arms of the clamping levers 39 and 40, and the clamping jaws of said levers will be caused to engage the segmental edge of the retaining plate 36 so as to restrain the same and consequently the swinging arm 6 against any swinging movement around the pivotal axis 5 of said arm, but when the wedge block 44 is raised the wedge block 42 is correspondingly released and the frictional hold of the jaws of the clamping levers 39 and 40 upon the plate 36 is slackened, so that said plate and with it the swinging arm 6 can be turned about the pivotal axis 5 of said arm to permit of any desired adjustment of the seat 7 around the chair 1.

In order to provide a firmer connection between the plate 36 and the arm 6 than would be afforded by the post 30 alone, the forward portion of said plate 36 is connected to the arm 6 by means of diagonally disposed brace bars 51, whose upper ends are secured to the plate 36 and whose lower ends are adapted to sockets 52 in the upper face of the arm 6, as shown in Fig. 2.

The post 41 may have secured to it, in any convenient position, a bracket 53 for the support of a box or other receptacle 54 for containing bottles, brushes, combs, tools or other implements likely to be required by the barber or dentist.

While I have shown and described certain devices for effecting adjustment of the various parts of the seat attachment and the locking of said parts in position after such adjustment I do not desire to be limited thereto, as many modifications of the adjusting and locking devices may be devised within the scope of my invention. As instances, I may refer to the locking of the arm 6 to the base plate 2 by means of a bolt carrying lever pivotally mounted on the arm and engaging any one of a series of segmentally disposed notches in the base plate, such lever being shown at 55 in Fig. 6, and instead of the means shown for vertically adjusting and locking the seat post 10, I may, if desired, use the ordinary form of adjustable seat having a screw stem adapted to a nut in a post 57 projecting upwardly from the outer end of the arm 6, as shown in Fig. 7.

As the seat-carrying frame is pivoted eccentrically in respect to the pedestal of the chair, the said seat, while sufficiently far away from the chair when in its mid position at the back of the chair, will swing in close to the chair on either side when at either limit of its forward swing.

I claim:

1. The combination in an attendant's seat for a barber's or dentist's chair, of a base plate, a swinging arm pivotally mounted thereon, a seat post carried by said arm, a



retainer plate also carried by said arm and having a segmental edge concentric with the pivotal axis of the arm, and means for clamping said retainer plate in its different positions of adjustment.

2. The combination, in an attendant's seat for a barber's or dentist's chair, of a base plate, a swinging arm pivotally mounted thereon, a seat post carried by said arm, a retainer plate also carried by said arm and having a segmental edge concentric with the axis of rotation of the arm, a post mounted upon the fixed structure and plate-clamping devices carried by said post.

3. The combination, in an attendant's seat for a barber's or dentist's chair, of a base plate, a swinging arm pivotally mounted thereon, a seat post carried by said arm, a retainer plate also carried by said arm and having a segmental edge concentric with the axis of rotation of the arm, a post mounted upon the fixed structure, and plate-clamping devices carried by said post and comprising a pair of clamping levers, a wedge acting thereupon, and a lever pivotally mounted upon the post and carrying said wedge.

4. The combination, in an attendant's seat for a barber's or dentist's chair, of a base plate, a swinging arm pivotally mounted thereon, a seat post carried by said arm, a

retainer plate also carried by said arm and having a segmental edge concentric with the axis of rotation of the arm, a post mounted upon the fixed structure, and plate-clamping devices carried by said post and comprising a pair of clamping levers, a wedge acting thereupon, a lever pivotally mounted upon the post and carrying said wedge, a wedge block acting upon said lever, and another lever for actuating said wedge block.

5. The combination, in an attendant's seat for a barber's or dentist's chair, of a base plate, a swinging arm pivotally mounted thereon, a seat post mounted on said arm, a head on said seat post having an arm with beveled slot therein, a seat having a locking plate with beveled head engaging said slot, and means for actuating said locking plate so as to confine the seat to or release it from the slotted arm, said means comprising a shaft carrying the locking plate, and a cam on the shaft for causing that end of the shaft which carries the locking plate to swing as the shaft is turned.

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

ANGELO RAFFAELE LERRO.

Witnesses:

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KATE A. BEADLE.