

Nov. 3, 1931.

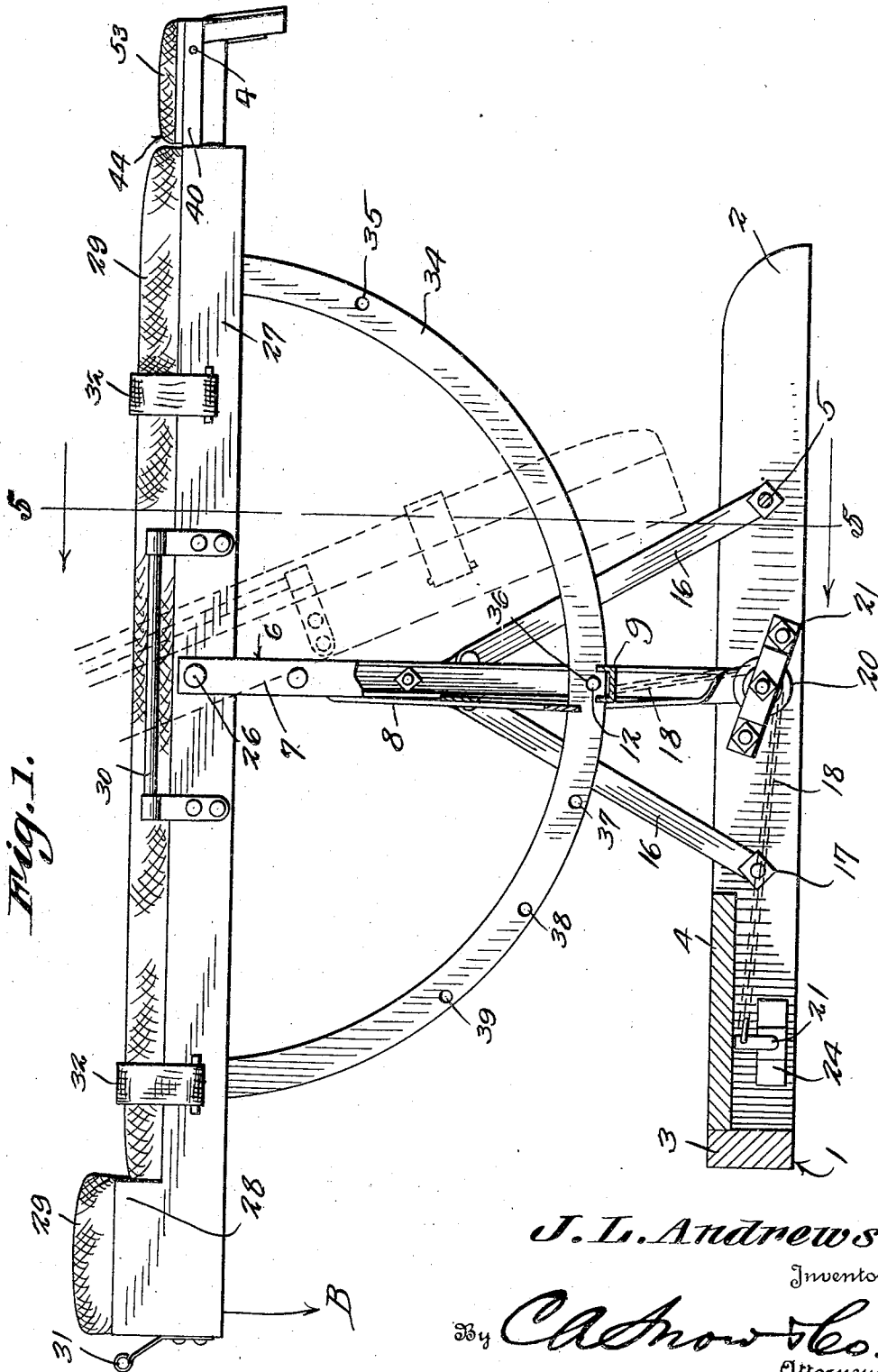
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1,829,918

TABLE

Filed May 20, 1930

3 Sheets-Sheet 1



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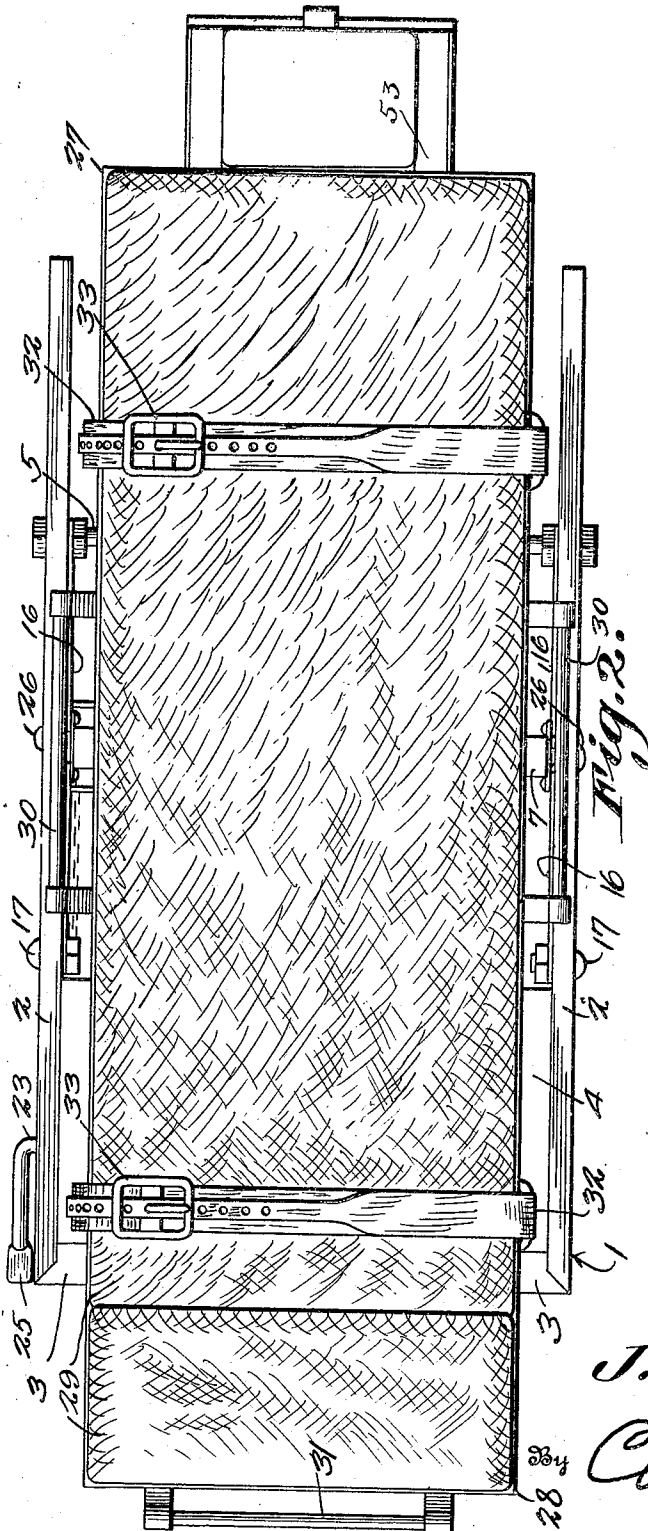
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TABLE

Filed May 20, 1930

3 Sheets-Sheet 2



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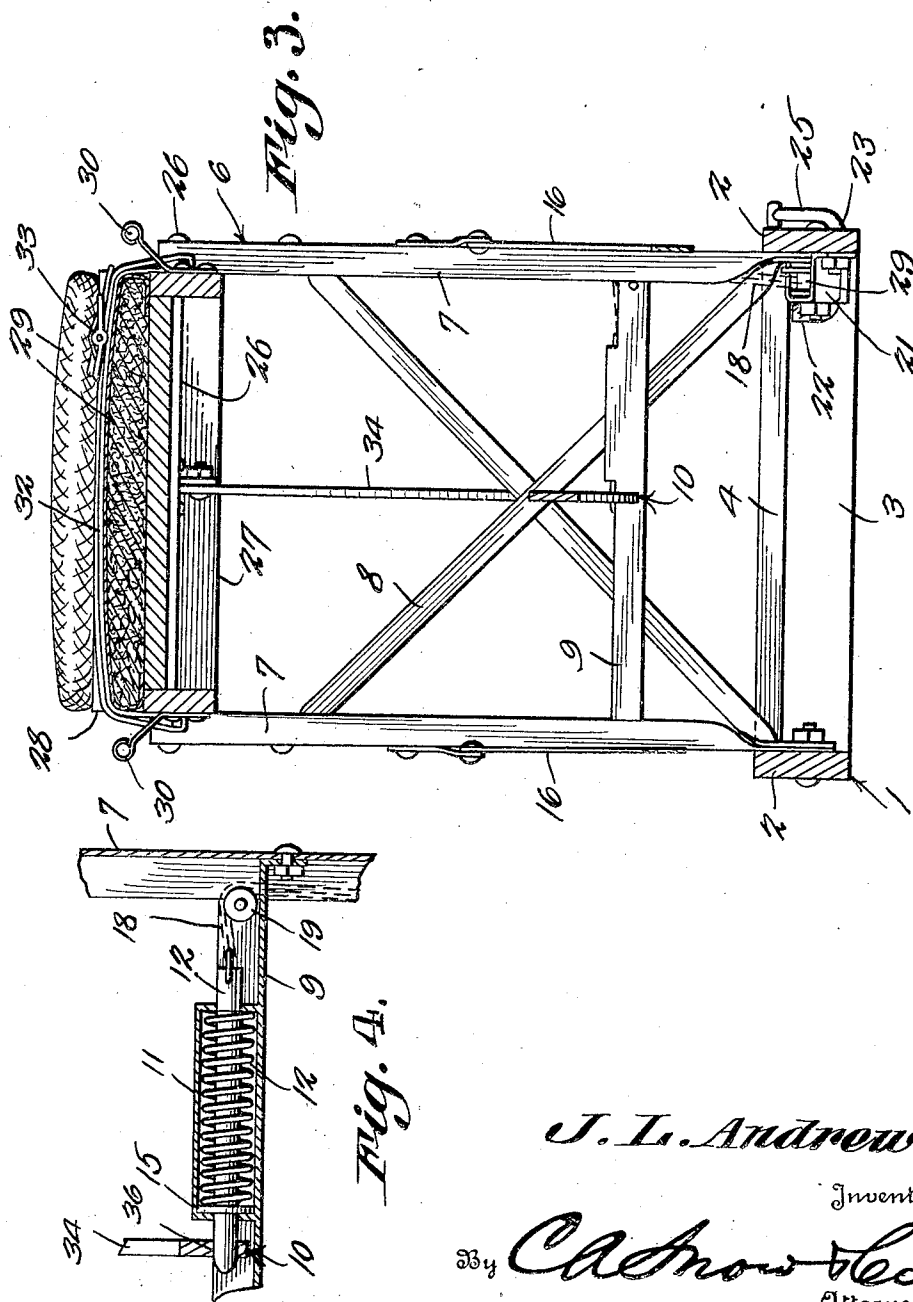
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TABLE

Filed May 20, 1930

3 Sheets-Sheet 3



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UNITED STATES PATENT OFFICE

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TABLE

Application filed May 20, 1930. Serial No. 454,039.

This invention aims to provide a table adapted to be used by osteopaths, surgeons, and others who treat the human body the construction being such that the patient may be received readily from an erect posture, be tilted into a horizontal position, and be tilted to a position in which the head is lower than the feet, should the operator so desire, novel means being provided for holding the table in adjusted positions. The invention aims to provide novel means for retaining the table in any position to which it may have been adjusted, and, generally, to improve and enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes may be made in the precise embodiment of the invention herein disclosed, within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings:

Figure 1 shows in side elevation a device constructed in accordance with the invention, parts being broken away;

Figure 2 is a top plan;

Figure 3 is a section on the line 5—5 of Figure 1;

Figure 4 is a longitudinal section of the latch mechanisms.

The device forming the subject matter of this application comprises a support 1 which may be made as desired. As shown, but not of necessity, the support 1 includes longitudinal sills 2 connected by an end bar 3, a platform 4, and a tie rod 5.

A frame 6 is erected vertically on the sills 2 at a point intermediate the ends of the sills. The frame 6 comprises vertical posts 7 having their lower ends connected to the sills 2. The posts 7 are connected by crossed

braces 8. Inclined braces 16 connect the posts 7 with the sills 2. The braces 16 on one side of the frame 6 are joined to the sills 2 by being mounted on the tie rod 5. The braces 16 on the opposite side of the frame 6 are connected by bolts 17 to the sills 2. A transverse bar or guide 9 forms part of the frame 6 and has its ends connected to the posts 7. The transverse bar 9 is provided in its upper edge with a notch 10.

A casing 11 is mounted longitudinally on the transverse bar 9. A latch bolt 12 is mounted for right line reciprocation in the casing 11. The latch bolt 12 is advanced by a compression spring 14 in the casing 11. One end of the spring 14 bears against one end of the casing 11, as shown in Figure 6, and the opposite end of the spring engages an abutment 15 on the latch bolt 12. The abutment 15 constitutes a stop which, engaging the inner end of the casing 11, limits the advancement of the latch bolt 12 under the action of the spring 14.

One end of a flexible element 18 is connected to the latch bolt 12. The flexible element 18, which may be a chain, is passed around a pulley 19 journaled for rotation on the bar 9. Thence the flexible element 18 is extended downwardly around a pulley 20 (Figure 1) mounted to turn on a bracket 21 carried by the inner side of one of the sills 2. The flexible element 18 is extended longitudinally of the said sill beneath the platform 4, and is connected to an arm 22 on a shaft 23 mounted to rock in a bearing 24 on the said sill 2. On the outer end of the shaft 23 there is a pedal arm 25.

A pivot rod 26 is mounted in the upper ends of the posts 7. A table 27 is located between the upper ends of the posts 7 and is mounted to swing vertically on the pivot rod 26. The table 27 has a head rest 28. The head rest 28 and the table 27 may be suitably upholstered, as shown at 29. The table 27 is provided on its edges and at points between

its ends, with side grips 30. The table 27 has an end handle 31 located adjacent to the head rest 28. Securing devices 32, such as straps extend across the table 27. Buckles 33 are interposed in the securing devices 32.

The numeral 34 marks an arcuate keeper adapted to move through the notch 10 of the bar 9 so as to be guided and reinforced by the bar. In the keeper 34, there are seats or openings 35, 36, 37, 38, and 39. There may be as many or as few of these seats or openings as the operator or manufacturer wishes. The inner end of the latch bolt 12 is adapted to be received in any of the openings 35—36—37—38—39.

On that end of the table 27 which is remote from the head rest 28 there are outstanding arms 40. A pivot element 41, preferably a rod, is mounted in the arms 40. The rod 41 forms a pivotal mounting for a foot rest 53 which cannot be claimed in this application. The person to be treated is attached to the table 27 by the straps 32, and, when the latch bolt 12 is withdrawn from the seat 35, the person to be treated, along with the table 27, is swung about the pivot rod 26 into a horizontal position. If the operator desires, he can swing the table 27 downwardly in the direction of the arrow B in Figure 1, the latch bolt 12 being engaged in any of the seats 37, 38, or 39 of the keeper 34. In this way, the head of the person being treated is disposed lower than his feet, and the internal organs may be permitted to gravitate toward the head, a position desirable in certain forms of treatment.

After the treatment or operation has been concluded, the table 27 may be swung into the inclined position shown in dotted line in Figure 1, the straps 32 may be released, and the patient may be permitted to step off the device.

The device is simple in construction, but will be found thoroughly effective and useful in the hands of physicians, surgeons, doctors of osteopathy, and anyone else having occasion to dispose the body of a patient in various positions.

Having thus described the invention, what is claimed is:

1. In a device of the class described, a support, a table mounted intermediate its ends on the support for vertical swinging movement, an arcuate keeper carried by the table and having seats, a latch slidably mounted on the support and engageable with the seats, a pedal mounted to swing on the support and having an arm, a flexible element connected to the arm and to the latch, and means for guiding the flexible element intermediate its ends.

2. In a device of the class described, a support, a table pivotally mounted intermediate its ends on the support for vertical swing-

ing movement, a shaft mounted to rock in the support and provided at its inner and outer ends with arms, a latch on the support, means carried by the table and engageable by the latch for holding the table in adjusted positions, and a flexible element extended between the latch and the arm on the inner end of the shaft.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

JOHN L. ANDREWS.

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