

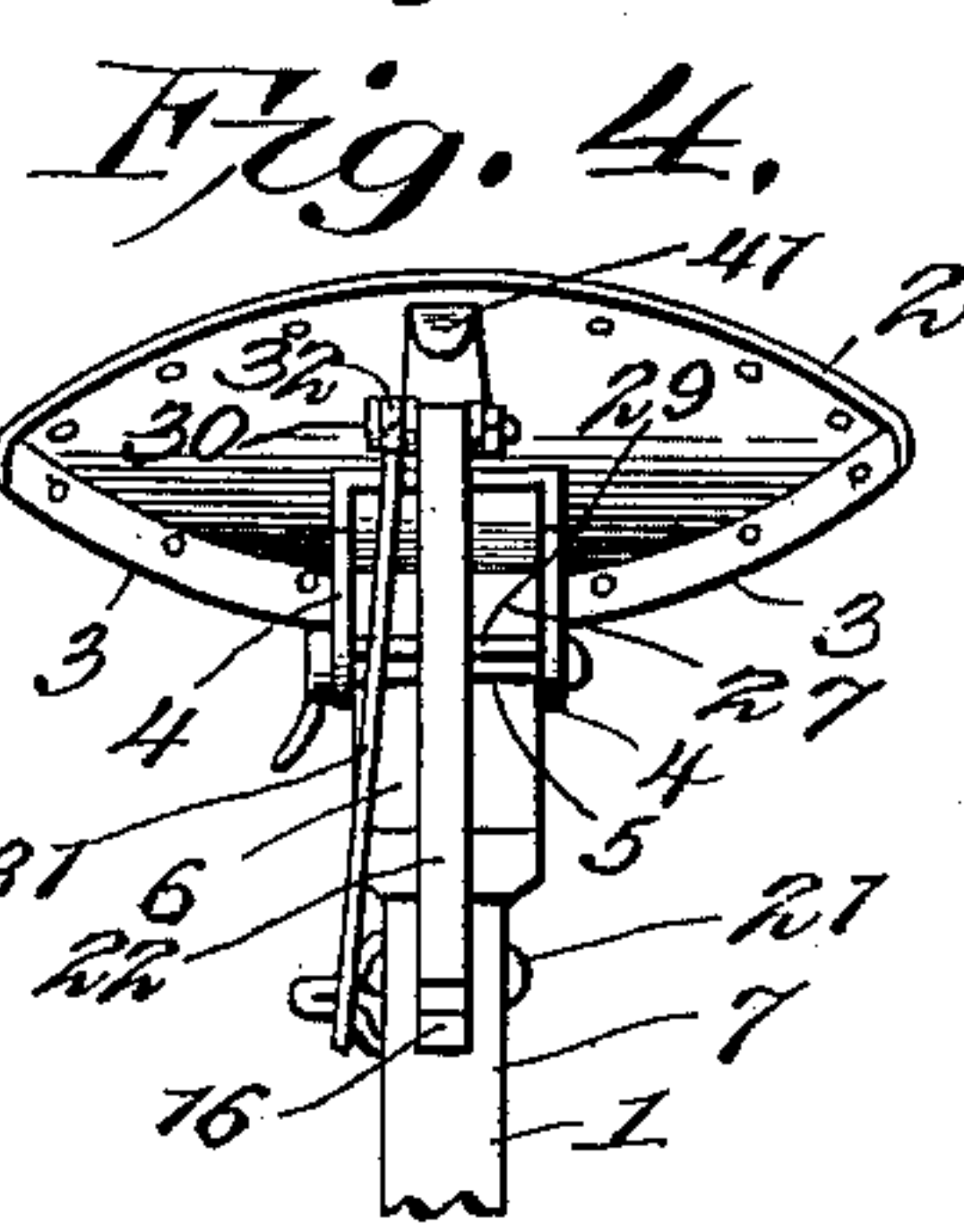
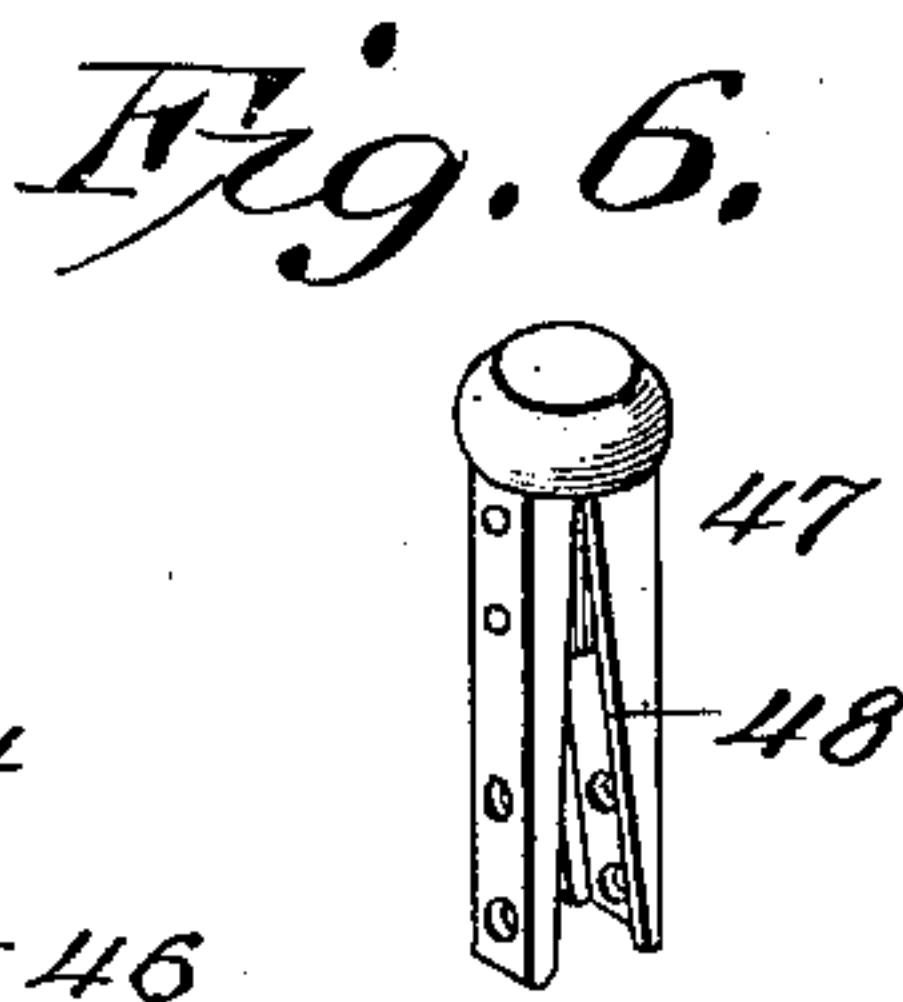
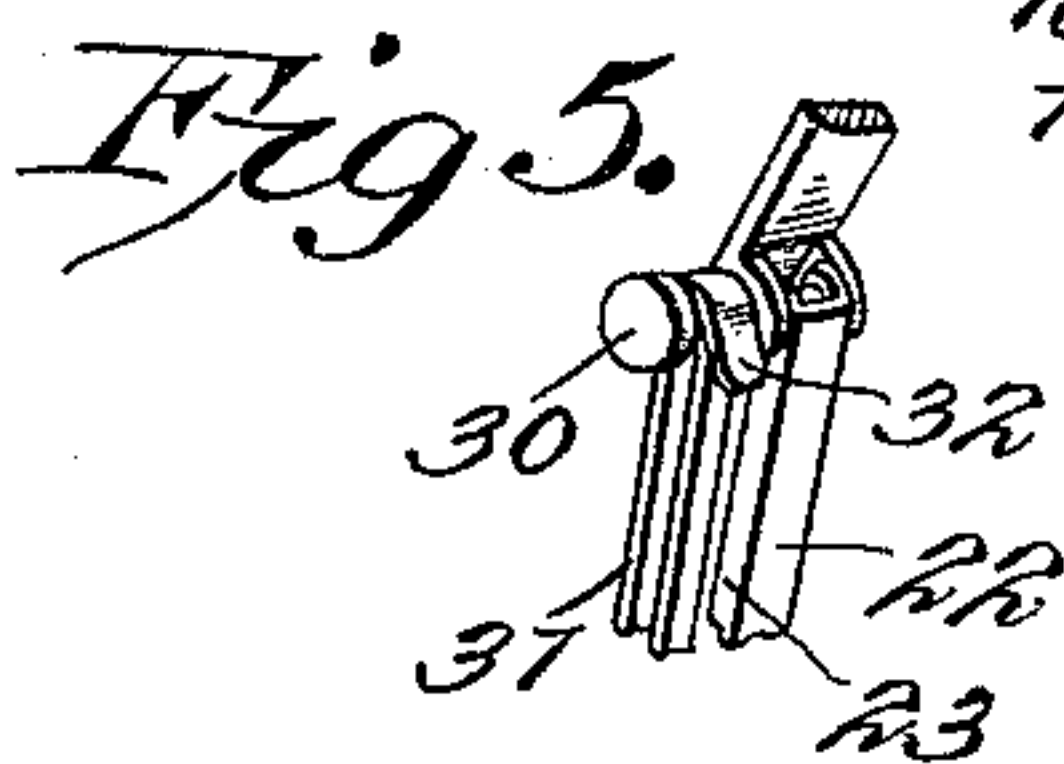
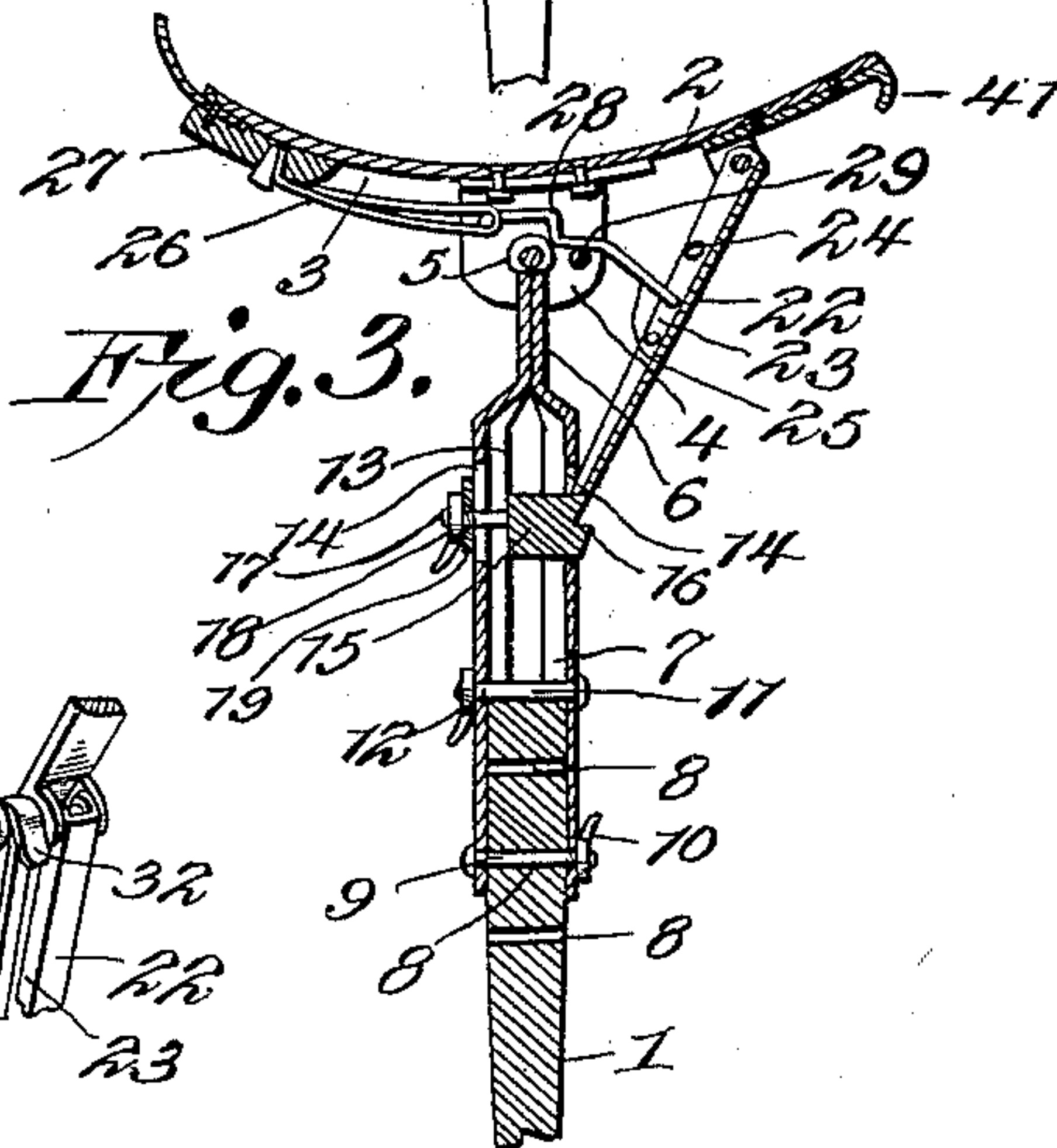
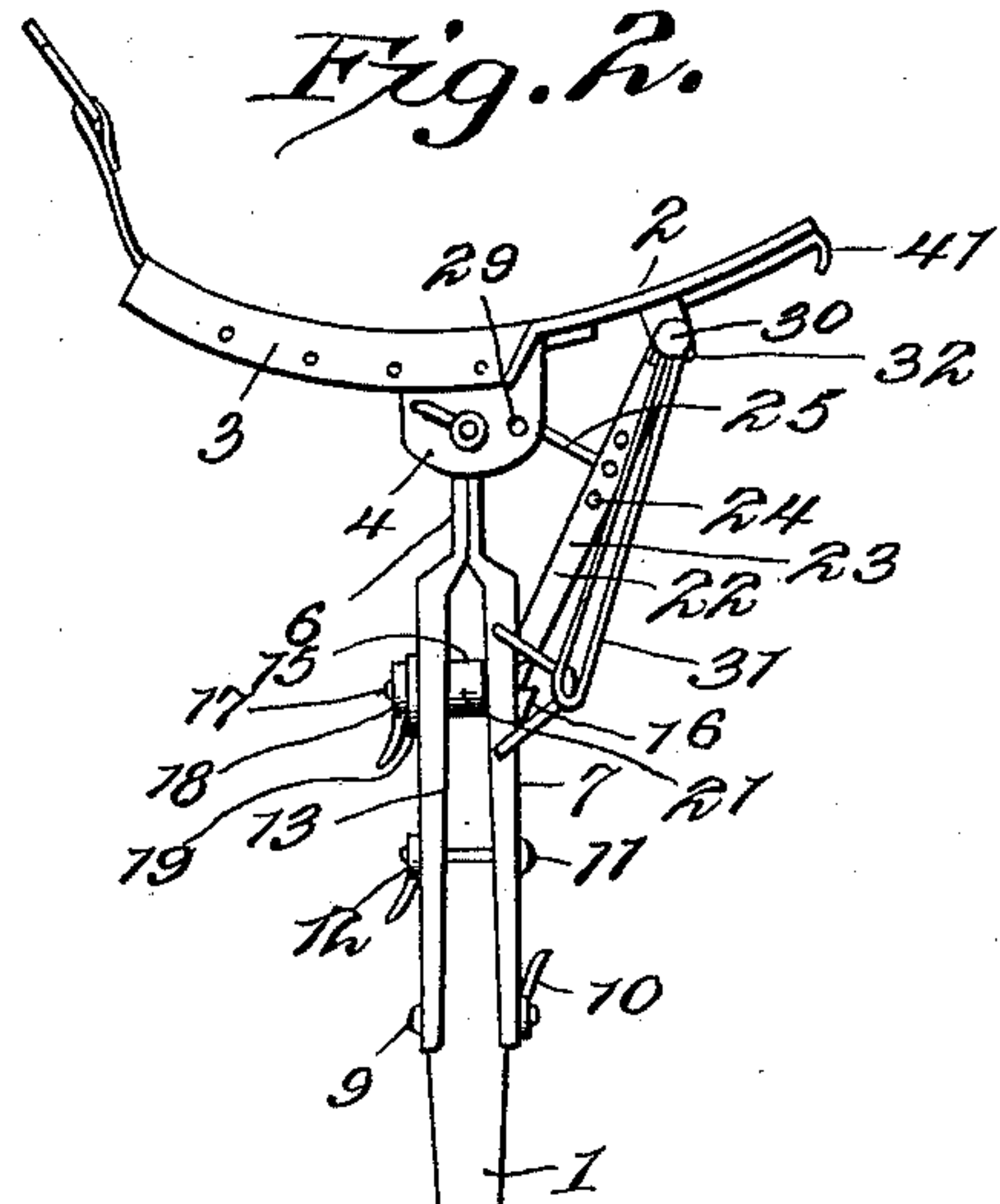
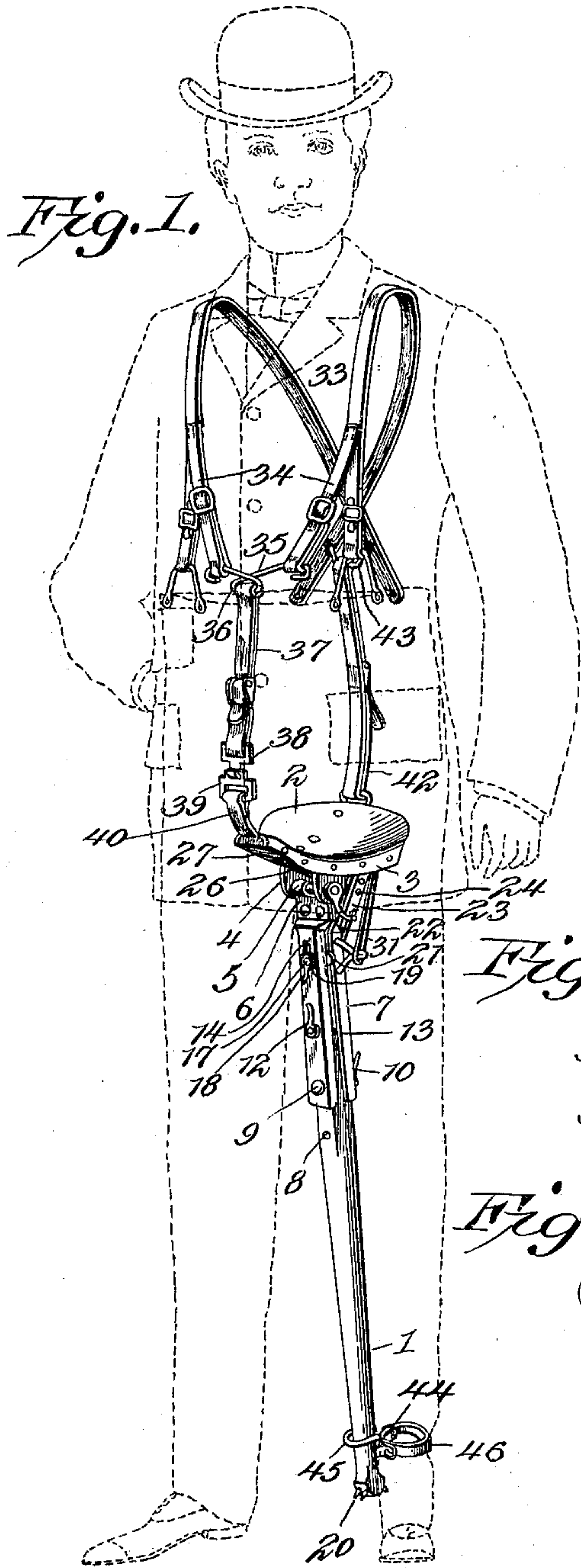
No. 671,638.

Patented Apr. 9, 1901.

E. SLAGLE.
STOOL AND CANE.

(Application filed July 24, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

EDWIN SLAGLE, OF PLATTSBURG, MISSOURI.

STOOL AND CANE.

SPECIFICATION forming part of Letters Patent No. 671,638, dated April 9, 1901.

Application filed July 24, 1900. Serial No. 24,705. (No model.)

To all whom it may concern:

Be it known that I, EDWIN SLAGLE, a citizen of the United States, residing at Plattsburg, in the county of Clinton and State of Missouri, have invented a new and useful Stool and Cane, of which the following is a specification.

This invention relates to a combined stool and cane; and the object of the same is to provide simple and effective means for supporting a person while at labor or during the pursuance of those classes of vocations requiring an upright or standing posture or for other purposes, the improved device being in connection with supporting devices on the person of the user and transportable with the latter from place to place without interference with the free movement of the person carrying the same, the device in its use affording a restful support by relieving the weight of the body to a great extent from the feet and at the same time elevating the user high enough for practicable purposes and having adjustable means for accommodating a difference in stature.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of the improved device, showing it applied to a dotted figure in condition for transportation from one place to another. Fig. 2 is a side elevation of the improved device, showing a portion of the pedestal broken away and the suspending devices disconnected. Fig. 3 is a longitudinal vertical section of the seat and a portion of the pedestal. Fig. 4 is a rear end elevation of the seat and a portion of the pedestal. Fig. 5 is a detail perspective view of a portion of the device. Fig. 6 is a detail perspective view of a cane-head attachment for the pedestal.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a pedestal of suitable length, and 2 a seat adjustably and movably mounted thereon and adapted to be supplied with a cushion or other covering, as may be desired and well understood by those skilled in the art. The seat has depending side flanges 3, which provide easy contacting

means for the legs of the user and prevent rubbing or injury thereof and also obviate wear on the garments, the front of the seat being reduced for ready and comfortable disposal between the legs of the user, and the form of seat shown is concaved to easily receive the posterior portion of the body. At an intermediate point the said seat also has a pair of depending ears 4, which are spaced apart from each other and movably embrace knuckles 5 on the upper end of a reduced extension 6, rising vertically from a socket 7 of elongated form and adjustably fitted on the upper extremity of the pedestal 1. To make the socket adjustable on the pedestal, the latter is formed with a series of transverse openings 8 to removably receive a bolt 9, passing through any one of said openings and the opposite sides of the socket and provided with a winged clamping-head 10, which is fitted to the one screw-threaded extremity of the said bolt. A bracing-bolt 11 is also passed through the socket to prevent springing or spreading of the same when the pedestal engages it at a low point to prevent breakage of the said pedestal, the said bolt 11 being supplied with a clamping-head 12, removably mounted on one end. Two of the sides of the socket have slots 13, extending full length thereof, to accord them a yielding movement to make them effective in their clamping engagement with the pedestal or, in other words, to permit them to be drawn tightly against the said pedestal, and the remaining two sides are substantially closed and have opposite slots 14 in their upper portions, the one for the vertical adjustment and outward projection of a ratchet-block 15, having teeth 16, and the other slot 14 for the passage therethrough of a clamping and sustaining bolt or pin 17, connected to said block at the side opposite that on which the teeth are formed and provided with a clamping-head 18, having a wing which is adapted to bear against an interposed washer 19. By loosening the clamping-head 18 the block 15 may be adjusted as desired, and from the foregoing description, indicating the shape of the socket, it will be understood that said socket is angular in cross-section, and likewise the upper extremity of the pedestal, to prevent any tendency of the latter to turn or to exert

a twisting strain on the bolt 9. To prevent the pedestal from slipping, the lower end is supplied with a series of spikes 20, which take into the floor or other surface on which said lower end is rested, and thereby provide a stable support. As an effective means for steadying the ratchet-block 15 it is formed or provided with laterally-projecting arms 21, which extend through the slots 13 of the socket, and the teeth 16 are thus always held in a positive manner.

To the rear under portion of the seat 2 the upper end of a depending rest-arm 22 is pivotally mounted, and the lower free end of the same is adapted to engage the teeth 16 of the block 15 and prevent downward movement of the seat at the rear greater than the designed adjustment of the coacting parts specified. The said arm is formed with side flanges 23, having openings 24 formed therein at an intermediate point to adjustably receive the rear ends of a resilient drawing-loop 25, passing forwardly under the seat, between the ears thereof, above the pivot of the same, and connected at its front end to an elastic band 26, secured to the rear under portion of a block 27, held rigidly on the under side of the front reduced portion of the seat and preferably constructed of wood. The loop 25 is formed with an intermediate shoulder 28 to engage a cross-pin 29, secured to the ears of the seat, in rear of the pivot of the latter, and when the said shoulder is caused to engage the pin 29 the rest-arm 22 is thrown back and prevented from contacting at its lower end with either of the teeth 16 of the ratchet-block 15, this adjustment being effected when it is not desired to use the seat and during transportation of the same and permitting a free movement thereof to conform to the movements of the body of the person carrying the same. When the loop 25 is drawn back, as just explained, the tension of the elastic band 26 is increased, and the moment said loop is released it automatically returns to its normal position and immediately pulls the rest-arm into engaging position relatively to the teeth of the ratchet-block 15. The elastic band 26 always draws the rest-arm forward to normal operating position and also permits the said arm to give sufficiently to practically serve its intended function. The loop 25 is made adjustable at its rear extremity to correspond to the adjustment of the ratchet-block below and also to increase the play of the arm or restrict its movement.

Means are also provided in connection with the improved device to hold the seat against too great freedom in downward movement at the front extremity and also to automatically tilt the seat to rear when the rest-arm is released to permit such operation. This is accomplished by extending the pivot-pin of the rest-arm and providing it with a head, as at 30, (see Fig. 5,) and over said extended portion of this pin and the head thereof one extremity of an elastic band 31 is disposed and

held against disengagement by a spring-clip 32, the opposite extremity of the said band being caught over an outwardly-projecting rigid catch secured to the upper portion of the outer side of the socket. It will be observed that this band exerts a normal downward pulling tension on the seat at the rear, and when the rest-arm is released will tilt the seat clear over or bring it back to normal position after downward tilting pressure is released from the front end thereof.

To suspend the improved device from the body of the wearer, the ordinary trousers-suspenders 33 at the front have auxiliary depending adjustable straps 34, looped around the opposite bent extremities of a hanger 35, having a central loop 36, from which an elastic adjustable hanger-strap 37 depends and carries a hook or catch member 38 at its lower extremity to detachably interlock with a slotted member 39, secured to the upper end of an elastic attaching-strap 40, secured to the front end of the seat. At the rear of the seat a hook 41 is located, and thereto is connected a rear elastic hanger-strap 42, which is adjustable and has its upper extremity secured to a coupling-link 43, fastened to the straps of the suspenders 33 at the rear and below the point of crossing of the same. The straps 40 and 42 provide for holding the seat well up in position and also permit a yielding movement of the same, it being understood that the entire device will be held up by the user when in erect position, so that the lower end of the pedestal will be clear of the surface upon which it is adapted to rest, as clearly shown by Fig. 1.

When transporting the device from one place to another, it is obviously necessary to have the pedestal held against swinging movement, so as to avoid impediment in the least to free pedestrian motion, and for this purpose a metal clip 44 is employed, having an inwardly-projecting hook 45 and a securing-strap 46. The said strap is fastened around one limb of the user of the device with the clip and hook located inwardly, and to hold the pedestal steady the lower extremity thereof is caught in the said hook, as shown by Fig. 1, and thereby moves regularly with the limb of the user. At any time desired the pedestal when in this held condition can be disconnected for immediate use, and it will be seen that the user when transporting the device will not be materially discommoded, the hands are left free, and a great convenience is afforded by having ready means for assuming a sitting posture.

The improved device is supplied with a further attachment in the form of a cane-head 47, having a socket 48, similar to that heretofore described, and by disconnecting the seat and its socket from the pedestal and replacing the same by the head 47 and socket 48 and securing the latter by the same bolts a cane can be readily produced.

The improved device has a general use, as

indicated, but is particularly adapted for use by those who are required to stand during long periods of time—such, for example, as in tonsorial pursuits—and by means of the stool set forth this vocation is rendered less tiresome by providing means for allowing the operators to assume a sitting posture, and thereby relieve the feet of the greater part of the weight of the body and at the same time maintain said operators at an elevation required for successfully carrying on their work and also permit freedom of movement about the tonsorial compartment without requiring a continuous disconnection and reapplication of the stool.

In addition to the function and advantage of the elastic band 31 heretofore set forth it also operates to give the pedestal an outward or backward pull and at all times to properly dispose the seat under the user without preliminary arrangement of the same. After the pedestal has been released from the leg-clip and hook the said elastic band 31 draws the pedestal immediately to the rear, and it is proposed to so arrange the said clip and hook at all times in such manner that the best results will ensue from the use of the same. The position of the clip and hook may be changed from that shown and turned toward the rear or in any other position. The preferred form of the device has been shown and described; but it is obviously apparent that changes in the form, size, proportions, and minor details may be resorted to without in the least departing from the principle of the invention.

Having thus described the invention, what is claimed as new is—

1. In a device of the character set forth, the combination of a pedestal, a socket adjustably mounted on the upper extremity thereof, a stop device carried by the said socket at the rear, a seat pivotally supported by the socket above the stop device, and automatically-operating means pivotally connected to the rear of the seat to adjustably and removably engage the stop device.

2. In a device of the character set forth, the combination with an ordinary pair of suspenders, of a hanger adjustably connected at its opposite ends to the front portions thereof, a coupling-link attached to the rear of the suspenders, elastic suspending-straps adjustably secured to and depending from the central portions of the hanger and link, and a seat having the said suspending-straps connected to the front and rear portions thereof.

3. In a device of the character set forth, the combination with a pedestal, of a socket adjustably and removably mounted on the

upper extremity thereof, a seat pivotally mounted on the upper portion of the socket, a ratchet-block adjustably mounted in the socket, a rest-arm pivotally attached to the rear of the seat, and means for holding the said arm in engaging position with relation to the said ratchet-block.

4. In a device of the character set forth, the combination with a pedestal, of a socket adjustably and removably mounted on the upper extremity thereof, a seat pivotally mounted on the upper portion of the socket, rigid means for limiting the movement of the seat, and a resilient device connected to the seat and socket and operating to draw the seat downwardly.

5. In a device of the character set forth, the combination with a pedestal, of a socket adjustably and removably mounted on the upper extremity thereof, a seat pivotally mounted on the upper portion of the socket, a rest-arm movably connected to and depending from the rear portion of the seat, a drawing-loop having an automatically-operating attaching device secured thereto and the front portion of the seat, the rear extremity of the loop being adjustably attached to the said arm, and means in connection with the socket for engaging the rest-arm.

6. In a device of the character set forth, the combination with a pedestal, of a socket adjustably and removably mounted on the upper extremity thereof, a seat pivotally mounted on the upper portion of the socket, a rest-arm movably mounted on the rear portion of the seat and depending from the latter, a drawing-loop having an automatically-operating attaching device secured thereto and to the front portion of the seat, the rear extremity of the loop being adjustably attached to the said arm, yielding means for drawing the rear portion of the seat downwardly, and means in connection with the socket for engaging the rest-arm.

7. In a device of the character set forth, the combination with a seat having a pedestal movably attached thereto, of a strap adapted to be fastened around the leg of the user of the device, and a hook horizontally projecting therefrom to detachably engage the lower extremity of the pedestal and hold the latter adjacent the said leg of the user of the device.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWIN SLAGLE.

Witnesses:

EUGENE BOWLIN,

FRED D. McBEATH.