No. 633,021. Patented Sept. 12, 1899.

T. B. MASON.

ADJUSTABLE SEAT.

(Application filed Oct. 8, 1898.)

(No Model.)

Fig. 1.

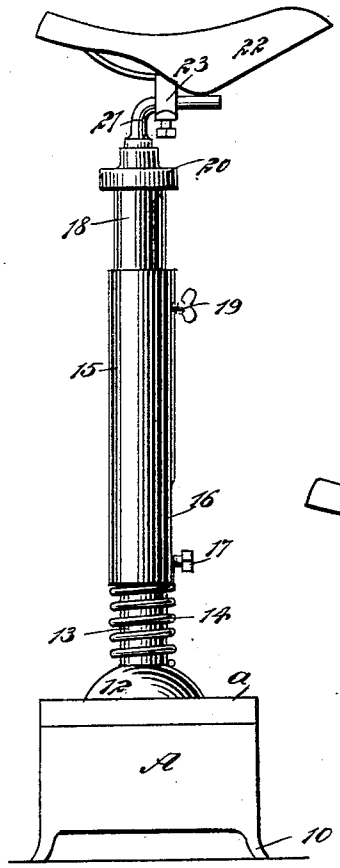


Fig. 2.

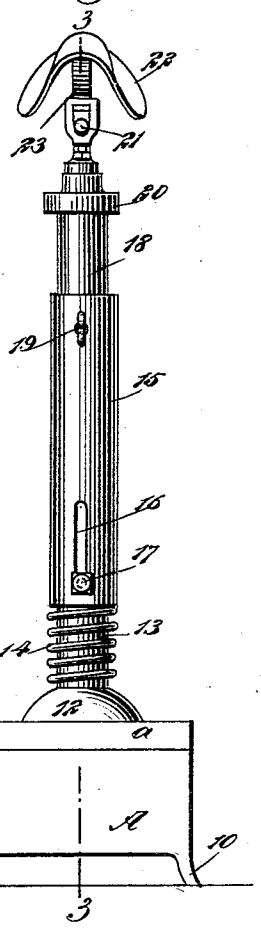
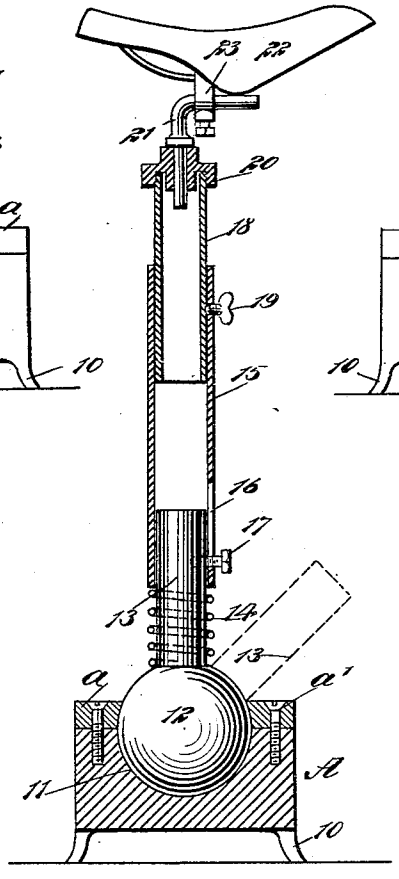


Fig. 3.



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THOMAS B. MASON, OF TRENTON, NEW JERSEY.

ADJUSTABLE SEAT.

SPECIFICATION forming part of Letters Patent No. 633,021, dated September 12, 1899.

Application filed October 8, 1898. Serial No. 693,019. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. MASON, of Trenton, in the county of Mercer and State of New Jersey, have invented a new and useful Improvement in Adjustable Seats, of which the following is a full, clear, and exact description.

The object of my invention is to provide a seat or rest for motormen or other persons who are required to stand while performing their duties and to so construct the rest that it will serve as a seat without necessitating the feet of the user being removed from the platform or other support usually provided for them.

Another object of the invention is to provide a seat or rest that will automatically follow the movements of the occupant and that may be adjusted to suit persons varying in stature.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improved seat. Fig. 2 is a front elevation of the seat, and Fig. 3 is a longitudinal vertical section taken practically on the line 3 3 of Fig. 2.

A represents a base, which may be made of any desired material, and ordinarily the base is provided with legs 10. In the upper surface of the base a cylindrical cavity 11 is made, adapted to receive about half of a ball 12. A cover *a* is provided for the base, which cover is provided with an opening adapted to register with the opening 11 in the base and to conform to the shape of the latter opening, as illustrated in Fig. 3. This cover prevents the ball 12 from leaving the base, yet permits the ball to have universal movement in said base, and the cover is secured to the base by screws *a'* or their equivalents. A stem 13 is provided for the ball 12, extending beyond its upper surface, and a spring 14 is coiled around the said stem, the lower portion of the spring resting on the ball. A tube 15 is mounted to slide over the upper portion of the stem 13, the lower portion of the tube having bearing against the upper portion of the spring 14, and in the side of the tube a longitudinal opening 16 is made, through which a screw 17 is passed into the said stem 13, the screw 17 serving in conjunction with the length of the slot 16 to limit the movement of the tube 15 on the said stem. A second tube 18 is telescopically mounted within the main tube 15, and the second tube 18 is adjustably secured in the main tube 15 by means of a set-screw 19 or its equivalent. A cap 20 is secured upon the upper end of the upper tube 18, and in the said cap one end of a saddle-post 21 is mounted, the saddle-post being preferably of that character which is usually employed in bicycles, being of angular construction and consisting of a horizontal and a vertical member, the vertical member having a collar located thereon. The post 21 is adapted to support a saddle 22, and this saddle is adjustably attached to the post 21 by means of a clamp 23, such as is usually employed in connection with bicycle-saddles.

It is evident that when a person straddles the saddle 22 the feet of the person may rest upon the support for the base, yet the person using the seat may obtain considerable relief through the medium of the said saddle and its support, and when it is possible for the person to assume a sitting position, bringing the full weight to bear on the saddle, the tubular support for the saddle will have bearing on the spring 14, obviating any jar to the person consequent upon the use of a non-yielding rest, and the moment it is needful for the person to assume an upright position the saddle will be carried upward with the person by the expansion of the spring 14. The support being universally mounted in the base A enables the occupant of the saddle carried by the support to have free movement in any required direction.

I desire it to be understood that while the post 21 may be readily attached to the cap 20 the said post is preferably loosely mounted in said cap, so that the post may be revolved as occasion may demand, and also that for the tube 18 may be substituted a solid bar, and that the saddle-post may constitute a portion of the bar.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

In a seat, the combination, with a base, a ball loosely mounted in the said base, the said ball being provided with a stem and a spring around the said stem, of a tube mounted to slide on the stem of the said ball and to rest upon the said spring, the tube being provided with a slot, and a pin passed through the said slot into the said stem, a second tube telescopically mounted in the tube connected with the ball-stem, a cap for the telescopically-mounted tube, a saddle-post mounted in the said cap, and a support for a person, mounted on the said post, as and for the purpose specified.

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