Jan. 12, 1943. R. A. CRAMER 2,308,358

ADJUSTABLE SEAT AND FOOT REST

Filed Jan. 22, 1940

Fig. 1.

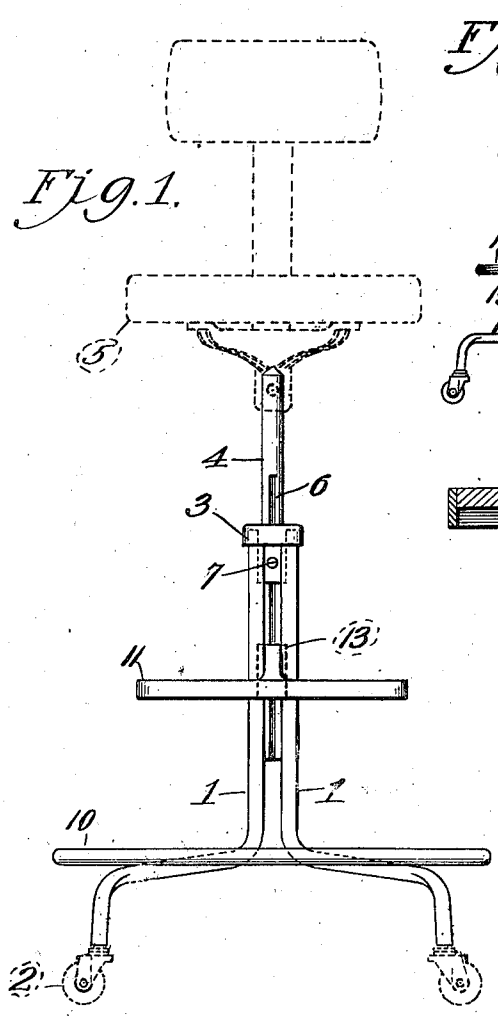


Fig. 5.

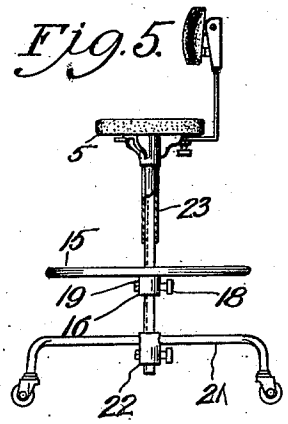


Fig. 3.

Fig. 4.

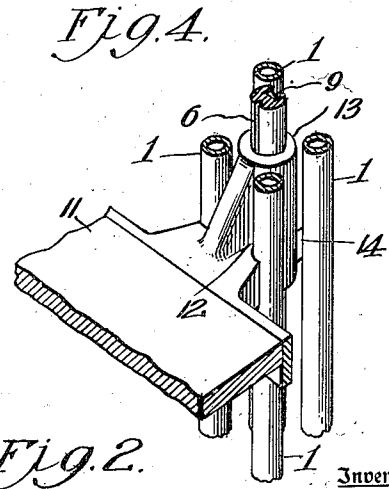
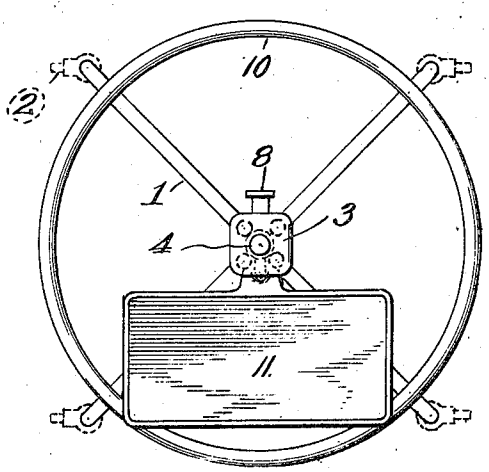


Fig. 2.



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ADJUSTABLE SEAT AND FOOTREST

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Application January 22, 1940, Serial No. 315,103

1 Claim. (Cl. 155—94)

This invention relates to high chairs of the type used by book-keepers and the like, and has for its general object to produce a chair of this character having a vertically adjustable seat-supporting spindle and a foot rest carried by the spindle, the foot rest, as it is secured to the spindle, being vertically adjustable on movement of the latter, but in addition the foot rest is independently adjustable on the spindle. With a chair of this type, it will be evident that the elevation of the seat can be changed or adjusted without changing the distance between the foot rest and the seat. When necessary, however, the position of the foot rest in relation to the seat can be adjusted without affecting the height of the seat.

With the general objects named in view and others as will hereinafter appear, the invention consists in certain novel and useful features of construction and organization of parts as hereinafter described and claimed; and in order that it may be fully understood, reference is to be had to the accompanying drawing, in which:

Figure 1 is a front view of one form of chair having an adjustable seat and foot rest embodying the invention.

Figure 2 is a top plan view of the same with the seat omitted.

Figure 3 is an enlarged central vertical section through the vertically adjustable spindle, the upper end of the base or floor-engaging member, and the foot rest.

Figure 4 is an enlarged perspective view of the interlocking engagement between the foot rest and the base, to prevent independent rotation of the foot rest on the spindle.

Figure 5 is a side elevation of a modified construction in which the foot rest is mounted on the spindle above, instead of below, the point of support of said spindle by the base.

In the said drawing, where like reference characters identify corresponding parts in all of the figures, the preferred form of base or floor-engaging member comprises a series of four tubular legs 1, radiating outwardly at their lower ends and equipped, if desired, with rollers 2. The legs 1 preferably extend upwardly in nested parallel arrangement and have their upper ends rigidly secured in an inverted cup-shaped stamping or casting 3. Vertically slidable through a guide passageway in the casting 3 is a spindle 4, which may carry any suitable seat 5 swivelled on its upper end. The spindle 4 is preferably formed with a longitudinal key-way 6 receiving a pin 7 carried by the casting 3 to hold the spindle against rotation in the base, and the spindle is positioned in vertical adjustment by means of a spring-advanced locking pin 8 carried by the base and adapted to engage any one of a series of sockets 9 in the spindle. If desired, the lower end of the base may be provided with a step-ring 10 which will act as a reinforcement or brace for the lower radiating ends of the legs 1.

Vertically adjustable on the spindle below its engagement with the casting 3 is a foot rest 11, the rear end of said foot rest being reduced at 12 for extending between a pair of the legs 1 (see Figure 4), the legs thus acting as stops to prevent rotation of the foot rest on said spindle. The rear end of the foot rest terminates in a tubular casting 13 slidably receiving the spindle 4, said casting having a spring-advanced locking pin 14 for engagement with the sockets 9 in the spindle to lock the foot rest in desired vertical position. With this construction it will be evident that vertical adjustment of the seat carries the foot rest along with it, so that the two parts maintain their relative vertical spacing.

In Figure 5, a slightly modified construction is shown in which the foot rest 15 is illustrated as in the form of a ring or circular platform. In this construction the foot rest has a central casting 16 which slidingly receives the spindle above a base casting 22 supporting said spindle. In order to lock the foot rest against rotation which would cause misalignment of its locking pin 18 in relation to the locking sockets in the spindle, said casting carries a pin or screw 19 engaged with the longitudinal slot or key-way in the spindle as previously described. It is to be noted that by reversing the position of the foot rest 15 the casting 16 will be above instead of below the same, and it is then possible to space the foot rest a greater distance from the seat by a height or distance equal to the length of said casting 16. With this construction, by preference, the supporting legs 21 radiate from the base casting 22 in substantially horizontal position. In order to stiffen the spindle the seat support may have a depending sleeve 23 encircling the spindle, since the foot rest for normal individuals will nearly always be spaced fifteen inches and more from the seat.

From the above description it will be apparent that I have described and illustrated a construction embodying all of the features of advantage set forth as desirable, and it is to be understood that although I have shown the preferred construction I reserve the right to all changes within

the spirit of the invention and without the ambit of the prior art.

I claim:

A chair having a base member including a plurality of spaced vertical tubes, a seat-supporting spindle adjustable in said base and extending vertically between said tubes and equi-spaced therefrom, said spindle having a longitudinally extending groove and a series of longitudinally spaced sockets, a pin carried by the base and having one end engaged in said spindle groove, a spring-pressed latch carried by the base for selective engagement with the sockets to hold the spindle in vertically adjusted position, a foot rest mounted on the spindle and vertically adjustable longitudinally thereof, said foot rest extending outwardly from the spindle through a space between the base tubes, and a spring-pressed latch member carried by the foot rest for selective engagement with the spindle sockets to hold the foot rest in vertically adjusted position.

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