Aug. 3, 1948. R. J. LITTLEJOHN 2,446,376

HORIZONTALLY SWINGING BRACKET SUPPORTED AUXILIARY CHAIR

Filed April 25, 1946 2 Sheets-Sheet 1

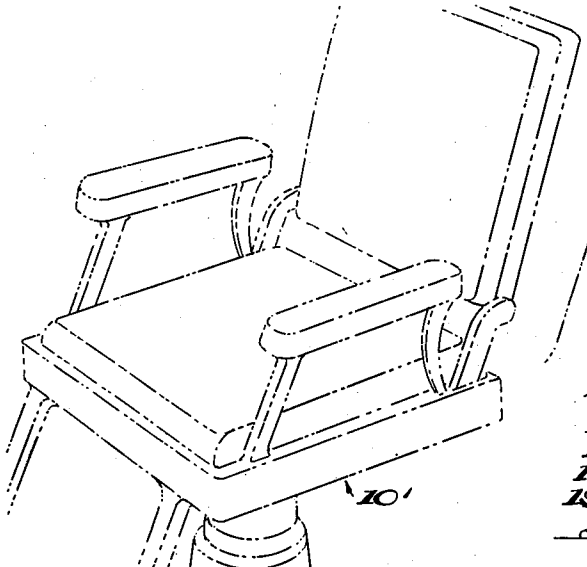


FIG. 1.

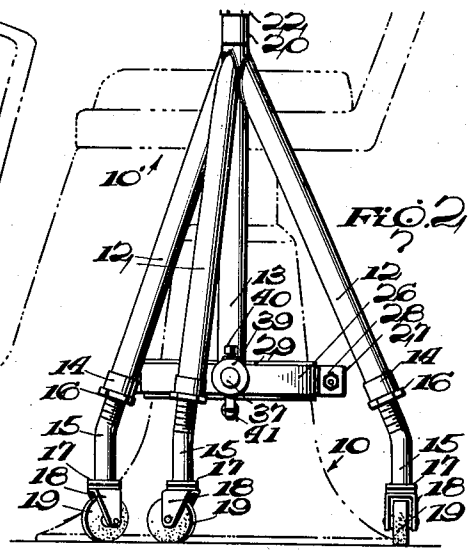


FIG. 2.

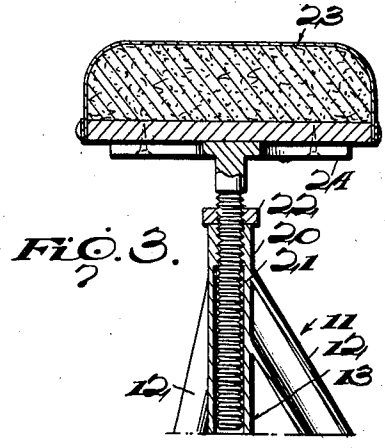
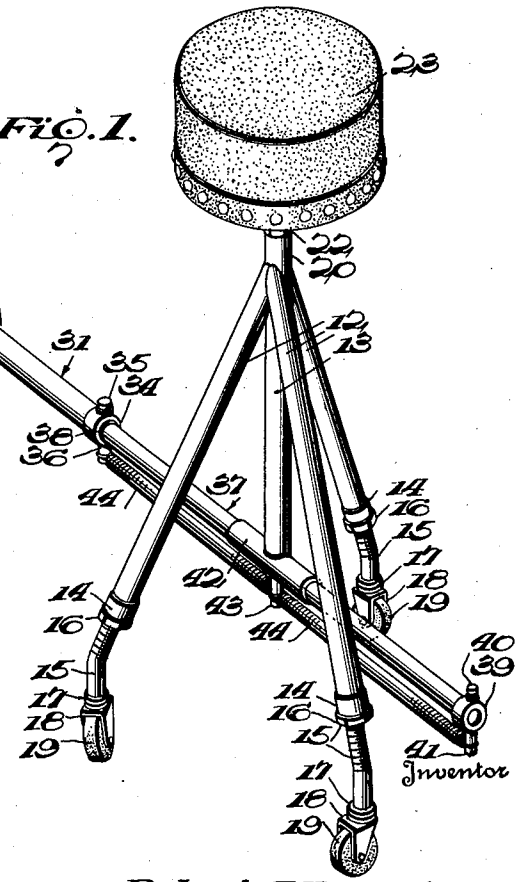


FIG. 3.



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HORIZONTALLY SWINGING BRACKET SUPPORTED AUXILIARY CHAIR

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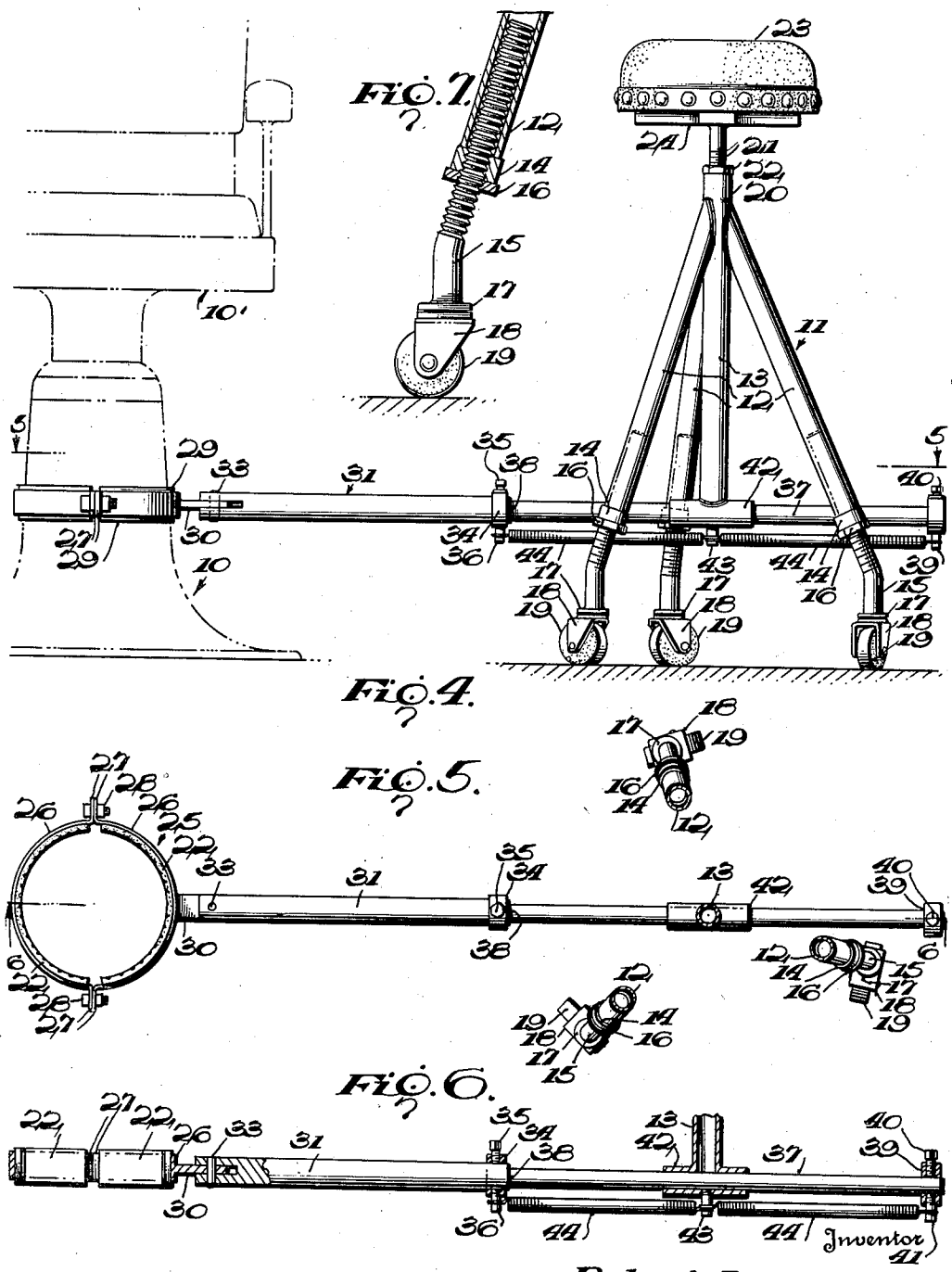

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HORIZONTALLY SWINGING BRACKET SUPPORTED AUXILIARY CHAIR

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Application April 25, 1946, Serial No. 664,807

4 Claims. (Cl. 155—81)

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My invention relates to improvements in an auxiliary seat or chair for use in connection with a barber chair or the like.

An important object of the invention is to provide an auxiliary seat or chair which can be swung horizontally about the barber chair, and which may also be moved radially toward and from the barber chair.

A further object of the invention is to provide resilient means which will permit of the radial adjustment of the auxiliary seat or stool and will automatically return the same to the normal position when released.

A further object of the invention is to provide a device of the above mentioned character which is strong, simple in construction and which may be readily shifted over the floor by the operator while seated upon the same.

A further object of the invention is to provide means for vertically adjusting the seat element for accommodating operators of different sizes.

A further object of the invention is to provide a device of the above mentioned character which may be installed upon or attached to a barber chair without altering the construction of the same.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of a seat or stool attachment embodying my invention,

Figure 2 is an end elevation of the same,

Figure 3 is a central vertical section through the seat element,

Figure 4 is a side elevation of the seat or stool attachment,

Figure 5 is a horizontal section taken on line 5—5 of Figure 4,

Figure 6 is a longitudinal vertical section taken on line 6—6 of Figure 5, and,

Figure 7 is a detailed vertical section through one leg, parts broken away and associated elements shown in elevation.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 10 designates the stationary pedestal of a conventional barber chair 10'.

My auxiliary seat or stool comprises an upstanding frame or support 11, including three upstanding inclined tubular legs 12, converging upwardly and are arranged in a triangular group. These legs are equidistantly spaced, and their upper ends are suitably cut away upon their inner

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sides and are welded or otherwise rigidly attached to a central vertical tube 13. The central vertical tube extends downwardly and terminates near and spaced from the lower ends of the legs 12. At their lower ends, the legs 12 have sleeves 14 rigidly secured thereto, by welding or the like, and these sleeves are internally screw threaded for receiving adjustable leg extensions 15 which are screw threaded and engage within the sleeves 14. The screw threaded portion of the leg extension 15 carries a lock nut 16. The lower end of each leg extension is bent to assume a substantially vertical position and the plate 17 of a caster is welded to this end. The caster includes a horizontally rotating forked member 18, carrying a caster wheel 19. The caster is preferably of the ball bearing type and ball bearings are held within the plate 17. A sleeve 20 is rigidly secured to the upper ends of the legs 12 by welding or the like, and this sleeve is internally threaded for receiving a screw 21, which is vertically adjustable and this screw carries a lock nut 22. A seat element 23 is mounted upon a support element 24 in turn rigidly attached to the top of the screw 21 by welding or the like.

The numeral 25 designates a split ring for attachment to the pedestal 10. This split ring includes segmental straps 26, provided at their ends with apertured lugs 27 for receiving bolts 28. Segmental liners 29, formed of cork or other suitable material is arranged upon the inner faces of the segmental straps and are suitably secured thereto. One segmental strap is provided at its longitudinal center with a horizontal apertured ear 30, rigidly secured thereto. The ring 25 is applied to the stationary pedestal 10, and clamped thereto by adjustment of the bolts 28.

Adjustable means are provided to connect the auxiliary seat or stool with the ring 25. This means comprises a horizontal cylindrical rod or elongated guide member 31, provided at its inner end with a horizontal slot 32 to receive the ear 30, and these parts are pivotally connected by a vertical pin 33. Mounted upon the outer end of the horizontal rod 31 is a collar 34, clamped thereto by a set screw 35 or rigidly secured thereto by any suitable means. At its bottom, this collar carries a depending vertical pin 36. The rod 31 at its outer end is turned down to provide a cylindrical rod 37 of smaller diameter, and integral therewith, and to form a shoulder 38. At its outer end the rod 37 has a collar 39, clamped thereto by a set screw 40 or the like or otherwise rigidly secured to the rod 37. At its bottom the collar 39 carries a depending vertical pin 41, rigidly secured thereto. Rigidly secured to the lower end of the vertical tube 13 is a horizontal guide sleeve or element 42, slidably receiving the

rod 37. A depending pin 43 is rigidly secured to the bottom of the guide sleeve 42, and has retractile coil springs 44, attached thereto and these springs have their opposite ends attached to the pins 36 and 41. When the guide sleeve 42 is at the longitudinal center of the rod 37 the tensions of the springs 44 are the same, which will retain the seat or stool in the normal position. When the seat or stool is moved longitudinally of the rod 37 or generally radially of the pedestal 10, one spring is placed under greater tension, and when the operator releases the chair or stool the spring or springs will automatically return the same to the normal position. It is thus apparent that the chair or stool is at all times free to be shifted longitudinally of the rod 37, and the guide sleeve 42 cannot separate from the rod 37, by virtue of the shoulder 38 and collar 39.

The operation of the seat or stool is as follows: When the ring 25 is applied to the pedestal 10, the auxiliary seat or chair may be shifted or swung circumferentially of the pedestal 10, in either direction, by the operator sitting upon the seat element 23 and engaging the floor with his feet. The casters are free to turn horizontally and renders this operation easy. The operator may shift the chair or stool generally radially toward or from the pedestal 10 of the barber chair, by engaging the floor with his feet, while seated upon the seat element 23. This action is permitted by the fact that the guide sleeve 42 is permanently slidable upon the rod 37. The spring or springs 34 will yield to permit of this adjustment. These springs will return the chair or stool to the normal position when the weight is removed therefrom.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes in the shape, size, and arrangement of parts, may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus described my invention, what I claim is:

1. An auxiliary chair or stool for use in connection with a barber chair having a pedestal, comprising a frame including a triangular group of upstanding upwardly converging legs connected at their upper ends, a seat element secured to the upper ends of the legs, casters secured to the lower ends of the legs, a substantially vertical tube arranged centrally of the triangular group of legs, a horizontal guide sleeve secured to the lower end of the substantially vertical tube, a substantially horizontal rod permanently slidably mounted within the guide sleeve, springs to oppose the longitudinal movement of the guide sleeve and return the same to the normal position when released, such springs being connected at their inner ends to the guide sleeve and at their outer ends to the substantially horizontal rod, and a ring mounted upon the pedestal and connected with the horizontal rod.

2. An auxiliary chair or stool for use in connection with a barber chair having a pedestal, comprising a frame including a triangular group of upstanding legs, a seat mounted upon the upper ends of the legs, wheels secured to the lower ends of the legs, a substantially vertical tube arranged centrally of the triangular group of legs, a horizontal guide sleeve secured to the lower end of the substantially vertical tube, a substantially horizontal rod permanently slidably mounted within the guide sleeve, pins connected with the

substantially horizontal rod and disposed upon opposite sides of the guide sleeve, a pin secured to the guide sleeve, and retractile coil springs secured to the pins of the substantially horizontal rod and to the pin of the guide sleeve, and a ring mounted upon the pedestal and connected with the substantially horizontal rod.

3. An auxiliary chair or stool for use in connection with a barber chair having a pedestal, comprising a frame including a triangular group of upstanding legs, a substantially vertical tube secured to the upper ends of the legs and internally screw threaded, a substantially vertical screw engaging within the screw threaded tube, a seat element mounted upon the screw, longitudinally adjustable leg extensions having screw threaded engagement with the lower ends of the legs, wheels carried by the leg extensions, a horizontal guide sleeve secured to the lower end of the substantially vertical tube, a substantially horizontal rod permanently slidably mounted within the guide sleeve, retractile coil springs extending longitudinally of the substantially horizontal rod, means attaching the inner ends of the springs to the guide sleeve, means attaching the outer ends of the springs to the substantially horizontal rod upon opposite sides of the guide sleeve, and a ring to be mounted upon the pedestal and connected with the substantially horizontal rod.

4. An auxiliary chair or stool for use in connection with a barber chair having a pedestal, comprising a frame including a substantially vertical tube and a plurality of downwardly diverging legs secured to the upper end of the tube and forming a group surrounding the tube, the legs extending downwardly below the tube and the tube being arranged centrally of the group and having its lower end terminating near the floor, casters secured to the lower ends of the legs, an elongated generally radial horizontal guide member, means to pivotally mount one end of the guide member upon the pedestal so that the guide member is free to swing substantially horizontally in opposite directions, an element secured to the lower end of the vertical tube and slidably engaging the elongated guide member and permanently free to be shifted longitudinally of the guide member within limits, means to positively limit the outward movement of the element with relation to the elongated guide member so that the element and guide member cannot be separated, a retractile coil spring arranged exteriorly of the guide member and beneath and in substantial vertical alignment with the guide member to be covered thereby and having one end attached to the slidable element and its opposite end attached to the guide member, a seat, and a rod carrying the seat and adjustably mounted in the upper end of the vertical tube so that the seat may be raised and lowered.

ROBERT J. LITTLEJOHN.

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