Sept. 1, 1936. O. H. KISTEMACHER 2,052,715

FOOT FOR CHAIR LEGS

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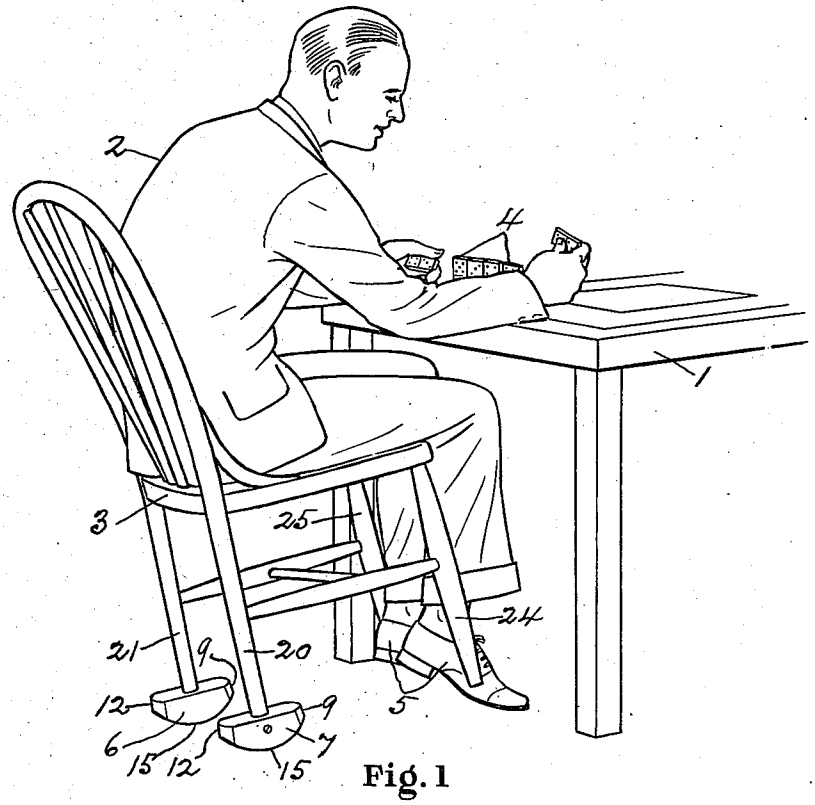


Fig. 1

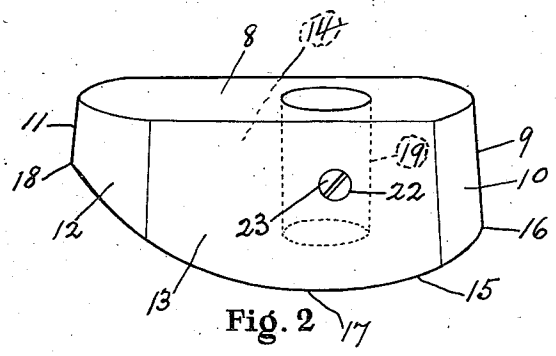


Fig. 2

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FOOT FOR CHAIR LEGS.

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3 Claims. (Cl. 155—77)

My invention relates to an attachable foot for the bottoms of chair legs, and particularly for use on chairs which are likely to be tilted during the use of the chairs.

The objects of my invention are to provide a device of this class which is new, novel, practical and of utility; which may be manufactured at the time of the manufacture of the chair; which may be manufactured as a separate attachment adapted to be attached to a chair after its manufacture; which is simple; which is compact; which can be quickly and easily attached and installed; which is comparatively cheap in manufacture; which will prevent the free ends of the legs of a chair from injuring and defacing the floor, carpet, linoleum, or other floor covering; which will permit the easy tilting and positioning of a chair for comfort without injury to the floor or floor coverings; which will prevent the frequent breaking of the rear legs of a chair by tilting, and their adhering to the linoleum or other floor covering; which will furnish a greater and a curved seating surface for contacting the floor or floor covering; which will furnish many differently angled seating surfaces for the rear legs of a chair thereby resting the occupant of such chairs during long occupation of the chair at one sitting; and, which will be efficient in accomplishing all the purposes for which it is intended.

The free ends of the legs of a chair, and particularly the two rear ones, as they are at the present time ordinarily made, are comparatively small and although usually round, have nevertheless sharp angles. During the period of time during which they are ordinarily used this might be of no marked disadvantage. But during long sessions, or periods of use in the same chair, such as during usual card games, dominoes and the like, and around waiting rooms in offices, depots and the like, the occupants become tired and are apt to change their positions, and to tilt the chairs. During such use the linoleum and other coverings become cut and partially perforated, from contact with the chair legs.

In a short time the general surfaces of such coverings become so cut up as to require new floor coverings, and before such replacement is made, present anything but a smooth surface.

The use of my device obviates all of the disadvantages above enumerated, and in addition furnish much comfort to the occupant by giving him many positions in which to use the chair in comfort.

With these and other objects in view as will more fully appear hereinbelow, my invention consists in the construction, novel features, and combination of parts hereinafter more fully described, pointed out in the claims hereto appended, and illustrated in the accompanying one-sheet drawing, of which,

Figure 1 is a perspective view showing a table, and an occupant of a chair in a tilted position with two of the devices installed on the free ends of the rear legs of the chair and the free ends of the front legs raised off of the floor; and,

Figure 2 is a perspective view of the device showing the opening for the installation of the free end of one of the legs.

Like characters of reference designate like parts in all the figures.

It is understood that various changes in the form, proportion, size, shape, weight and other details of construction, within the scope of my invention may be resorted to without departing from the spirit or broad principle of my invention and without sacrificing any of the advantages thereof; and it is also understood that the drawing is to be interpreted as being illustrative and not restrictive.

The inventive idea involved is capable of receiving a variety of mechanical expressions one of which, for the purpose of illustrating the invention, is shown in the accompanying drawing wherein:—

The numeral 1 shown in Fig. 1 designates a portion of a table at which a man 2 is seated in a tilted position on a chair 3 playing a game of dominoes 4; the position of the man's body and especially his feet 5 indicate one position assumed while the chair is tilted; numerals 6 and 7 indicate as a whole two of the devices installed on the free ends of the two rear legs 21 and 22 of the chair, and the relative position of such devices on the floor or floor covering while the chair is tilted in that position. It will be observed that many other tilted positions will be permitted by the curved lower surface 15 of said devices as shown by numerals 6 and 7.

It is deemed sufficient to describe one of the devices as they are practically identical, though they are used in pairs. The device, one of which has already been hereinbefore referred to by the numeral 7, has preferably a flat top surface 8; a front end 9 having a semi-cylindrical surface 10; a rear end 11 also having a semi-cylindrical surface 12; right and left surfaces 13 and 14, respectively, the surface 13 being clearly in view;

and a curved bottom surface 15 being curved to form a rocker effect from a point 16 at the bottom of the front end 9 downwardly and rearwardly to a point 17, and therefrom rearwardly and upwardly to a point 18. The whole of said curved surface 15 makes possible a flat contact with the floor at any point between 16 and 18. The device 7 has a vertical bore therein as shown by the dotted-line portion 19, cut therein from the top surface 8; and is of a shape to allow the insertion therein of one of the rear chair legs such as shown at 20. Said bore 19 preferably extends only to approximately two-thirds of the depth of said device. Communicating with the bore 19 is a perforation 22 which extends through the wall from one side surface 13, and permits the introduction of a holding member, or screw 23, to securely and rigidly fasten the lower end of said leg 20, to the device.

It will be understood that the bore 19 is preferably positioned nearer the front of the device than the rear, though this may be varied if desired.

In fitting the device on the legs of a chair already manufactured it will be necessary to first cut off a sufficient portion of the lower end of the legs to cause the chair to set level on the floor or floor covering when the chair is in an upright position, after the device has been attached. In using my device in the manufacture of a new chair it will be made of such height that, after application, its lower rocking surface 17 will be the same distance from the chair bottom as the ends of legs of normal length and shape, and will therefore allow the chair to rest in a normal position when not tilted.

It will be understood that my devices will be installed so as to make the devices longitudinally parallel with each other and the front ends 9 facing towards the front legs of the chair 24 and 25.

Obviously, the invention is susceptible of embodiment in forms other than that which is illustrated in the accompanying drawing and described herein, and applicable for uses and purposes other than as detailed, and I therefore consider as my own all such modifications and adaptations and other uses of the form of the device herein described as fairly fall within the scope of my invention.

Having thus described my invention, what is claimed and desired to be secured by Letters Patent, is:

1. An attachment for chairs comprising a relatively small slightly elongated block-like member provided with means for securing the member upon the lower end of a leg of a chair and having a convexly curved lower surface for rocking contact with a floor or other supporting surface, said attachment being adapted to be secured and carried upon a single leg of a chair only.

2. An attachment for chairs comprising a relatively small slightly elongated block-like member provided with means for securing the member upon the lower end of a leg of a chair and having a convexly curved lower surface for rocking contact with a floor or other supporting surface, each such attachment being adapted to be secured and carried by one leg of a chair.

3. An attachment for chairs comprising a relatively small slightly elongated member provided with means for securing the member upon the lower end of a leg of a chair and having a convexly curved lower surface for rocking contact with a floor or other supporting surface, said attachment being adapted to be secured and carried upon a single leg of a chair only.

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