Dec. 19, 1933. R. M. SHER 1,939,834

COUNTER CHAIR OR STOOL SEAT

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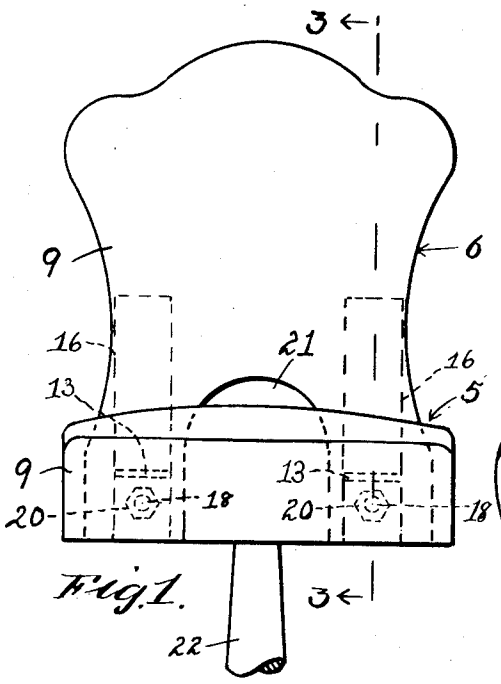


Fig. 1.

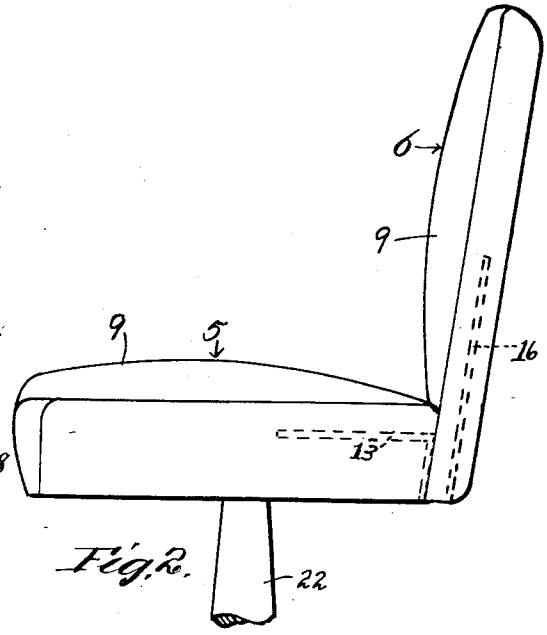


Fig. 2.

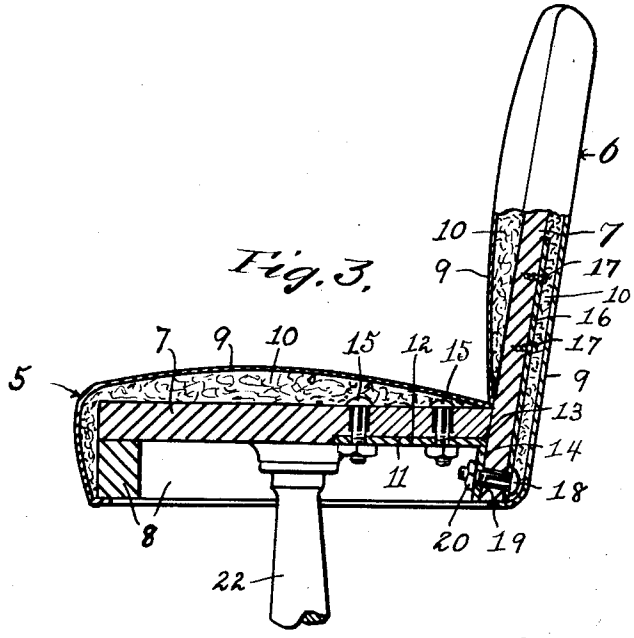


Fig. 3.

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COUNTER CHAIR OR STOOL SEAT

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2 Claims. (Cl. 155—178)

My invention relates to new and useful improvements in counter chair or stool seats, and has for one of its objects to provide a device of this character in which the parts or elements are removably or detachably connected together so that a knock-down structure is formed.

It is to be understood that by "knock-down structure" I mean a structure in which the parts or elements may be easily separated or assembled.

Another object of the invention is to construct a chair or stool seat for use at refreshment, eating and other counters having upholstered seat and back elements or parts.

Another object of the invention is the provision of a knock-down chair or stool seat for counter use in which the elements can be taken apart for cleaning, packing and reupholstering purposes.

Another object of the invention is to fashion the seat element so that the fastening devices will be housed and obscured from view but will be readily accessible when it is necessary or desirable to disconnect the back element from the seat element.

A further object of this invention is to improve the construction generally of devices of this kind whereby they will be strong and durable although of simple formation.

A still further object of the invention is to so arrange the parts that the back and seat elements may be readily disconnected by the removal of only two nuts and without disturbing the upholstery. After being disconnected the elements may be laid on top of one another to produce a compact parcel for shipping purposes.

With these and other ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to use and make the same, I will describe its construction in detail, referring by numerals to the accompanying drawing forming a part of this application, in which:—

Fig. 1 is a front elevation of my improved counter chair or stool seat.

Fig. 2 is a side elevation thereof, and

Fig. 3 is a sectional view on the line 3—3 of Fig. 1, with the upper part of the back in elevation.

In carrying out my invention as herein embodied, 5 represents a seat element and 6 a back element of the counter chair or stool seat. Each element includes a panel or core 7 of wood or other suitable material fashioned into any desirable shape or configuration, and while the back element 6 is preferably flat, I have found it desirable to add a pendant flange or rim 8 about the sides and front of the seat element 5 to give the appearance of considerable thickness to said seat element and also provide a housing for the fastening means and other parts which will obscure them from the casual gaze of patrons of the stores in which devices of this kind are installed.

The panels or cores 7 may be enclosed in covers 9 of any suitable material and parts such as the top or top and front sides of the seat element 5, and the front or both the front and rear of the back element 6 may be upholstered or stuffed with filling material 10.

In the one face here shown as the bottom face, of the panel or core 7 of the seat element 5 adjacent the sides are formed recesses 11 to receive the arms 12 of the angle irons 13, while the toes 14 of said angle irons extend downwardly either perpendicularly or obliquely at any desired angle. Said angle irons 13 are fastened to the seat element by suitable securing means 15, such as bolts and nuts with the bolts passing through the panel or core 7 and the angle iron arms 12 so that the nuts may be threaded on them from the underside of the seat element and will be hidden from view. Parts of the bolt shanks may be longitudinally or otherwise corrugated or roughened to prevent rotation when the nuts are threaded thereon.

On the back side of the core or panel 7 of the back element 6 adjacent the side edges thereof and spaced apart a distance equal to the spacing of the angle irons, are secured metal plates or strips 16 by means of fastening devices 17, such as screws.

The plates 16 may be of any desirable length and strengthen or brace the back element and when the latter is in place the lower part of the panel or core thereof is located between the metals of the angle iron toes and the plates. In the lower ends of the plates 16 are mounted bolts 18 or equivalent attaching means with the shanks projecting through the plates and thence through the core or panel so that the threaded terminals extend beyond the inner or front face of the back element 6. The bolts 18 are similar to those designated 15 and the corrugated parts of the shanks will become embedded

in the core and prevent rotation or displacement thereof.

When the back element 6 is to be attached to the seat element 5, said back element 6 is positioned so that the terminals of the bolts 18 register with, enter and pass through holes 19 in the toes 14 of the angle irons 13, and nuts 20 are then screwed on said bolts and jambed against said toes 14 of the angle irons, thereby securely fastening the parts in their assembled positions while permitting them to be readily and easily disassembled.

This construction not only provides a chair or stool seat which is neat and ornamental in appearance, but one which is exceedingly strong and rigid so as to withstand considerable abuse without damage thereto. I have discovered that the seat may be placed on the floor so as to rest on the front edge of the seat element and the top edge of the back element and a person weighing at least one hundred and eighty pounds can stand on the corner formed by the meeting ends of both elements without damage to the parts or without effecting the joint.

The back element 6 may be provided with an aperture 21, if found desirable, and said aperture may be of any preferred configuration.

In use the seat is mounted upon any support 22, such as a pedestal, either of the stationary or swivel types.

In the manufacture of the seat, the covering 9 and any stuffing material 10 is placed on the seat element 5 independent of the back element 6. In the case of the back element 6 the plates 16 are secured to the rear face of the panel or core 7 of said back element 6 and the latter then upholstered. With the two elements thus completed they may be readily secured together or disconnected from one another by the proper manipulation of the nuts 20.

When the seat and back elements are separated or disconnected, the angle irons remain as a part of the seat element and lie within the boundaries thereof so that any number of either of said elements or any number of both seat and back elements may be packed one on top of another without leaving any projecting parts except the short terminals of the bolts 18 and therefore they are easy to store or crate for shipping purposes.

When the elements are assembled as illustrated in the drawing, the lower portions of the back element panel or core 7 is located between the metal plates 16 and the toes 14 of the angle irons 13, thereby reinforcing the back element so as to withstand all ordinary as well as many extraordinary strains and stresses.

Of course I do not wish to be limited to the exact details of construction as herein shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is:—

1. In a counter chair or stool seat, the combination of a seat element including a panel, angle irons having their arm portions embedded in a face of said panel with their toes extending a distance below the same, means for fastening the angle irons to said panel, a back element including a panel, plates secured to the rear face of the second named panel, means to detachably connect the back element of the downwardly projecting toes of the angle irons with the lower parts of the panel of the back element between the plates and the angle iron toes, and a depending flange surrounding the sides and front of the seat element and cooperating with the back element to obscure parts of all the fastening means while permitting easy access thereto from the underside of the seat.

2. A counter chair or stool seat comprising a seat element, including a panel, a depending flange along the front and side edges of said panel, laterally spaced angle irons secured to the panel with portions extending downwardly to a position not lower than the bottom edge of the flange, a covering for the top and front and side edges of the panel and the outer surface of the flange, a back element including a panel, laterally spaced plates secured to the rear face of the last named panel corresponding to the spacing of the angle irons, bolts passing through the lower ends of the plates and the panels on which they are mounted with the threaded terminals extending beyond the front of the panel for projection through the angle iron toes, said bolts being permanently and non-rotatably connected with the back element panel, a covering enclosing said last mentioned panel and the plates thereon, and nuts engaged with the threaded parts of the bolts to detachably connect the back element to the seat element without disturbing the covering and leaving the angle irons connected with the seat element.

ROBERT M. SHER.