

May 12, 1953

N. B. PULSIFER
HEADREST

2,638,152

Filed Jan. 16, 1948

2 Sheets-Sheet 1

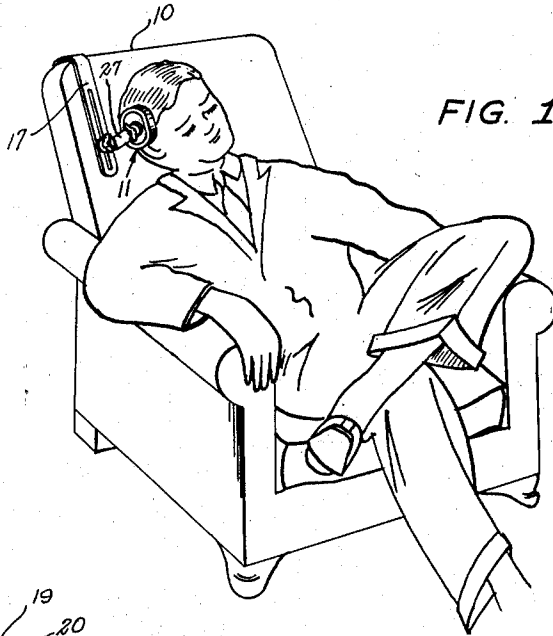


FIG. 1.

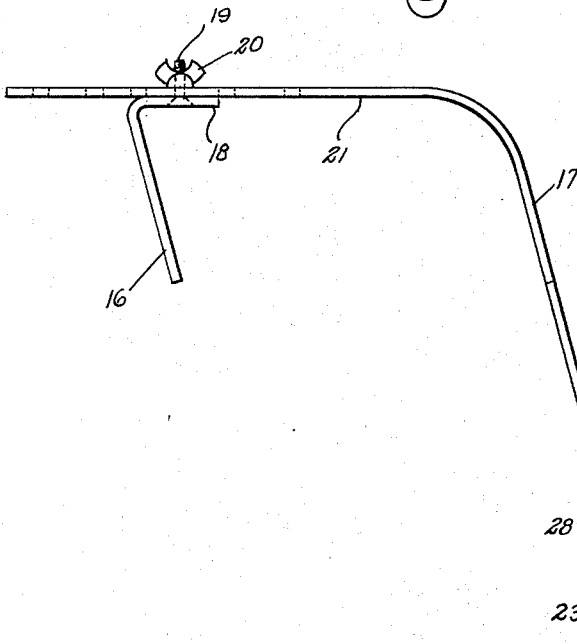
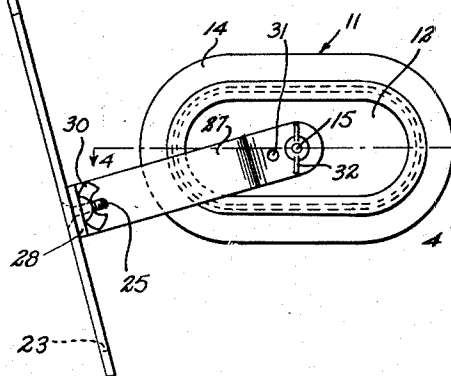


FIG. 2.



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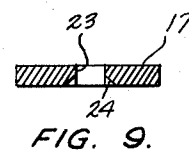
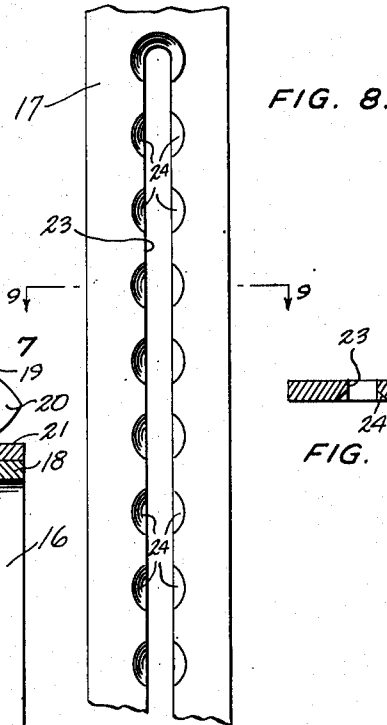
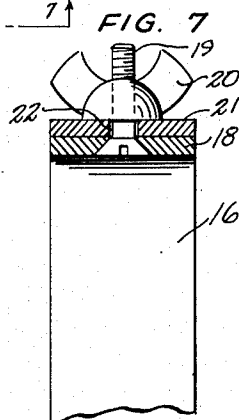
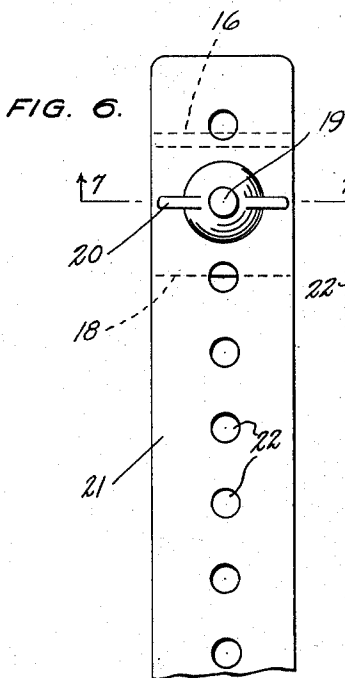
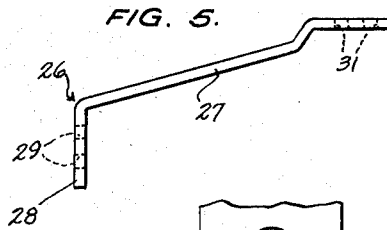
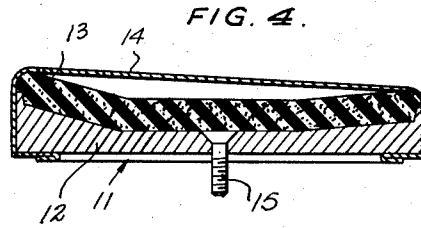
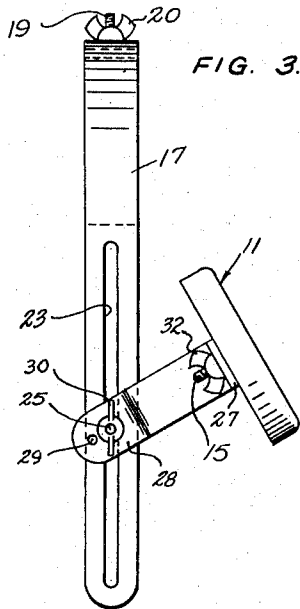
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HEADREST

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2 Sheets-Sheet 2



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2,638,152

HEADREST

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Application January 16, 1948, Serial No. 2,673

4 Claims. (Cl. 155—177)

1

My invention relates to head rests, and more particularly to means for mounting a suitable head rest in a chair back rest. In this connection, the head rest according to the invention may comprise a head rest such as that illustrated in my application Ser. No. 2,674, filed January 16, 1948, now Patent No. 2,555,814, dated June 5, 1951.

With the foregoing in view, an object of my invention is to provide an improved mounting means for a head rest.

A further object is to provide an improved mounting means for a head rest which is readily detachably connectible to a back rest of any of a plurality of different types of chairs or seats, and which includes means for adjusting the head rest portion thereof relative to the mounting means, whereby the latter and the head rest portion are readily usable by any of a plurality of users.

Other objects and advantages reside in the particular structure of the invention, combination and arrangement of the several parts thereof, and will be readily apparent to those skilled in the art upon reference to the attached drawings, in connection with the following specification wherein the invention is shown, described and claimed.

In the drawings:

Figure 1 is a perspective view showing a preferred form of the invention, showing the same in use;

Figure 2 is an enlarged elevation of the device according to the invention apart from the chair;

Figure 3 is a front view thereof;

Figure 4 is a longitudinal vertical section of the head rest portion apart from the rest of the structure and taken substantially on the plane of the line 4—4 of Figure 2;

Figure 5 is an elevation of the head rest-mounting bracket apart from the rest of the structure;

Figure 6 is a fragmentary plan view on an enlarged scale and showing a detail of the mounting means;

Figure 7 is a transverse vertical section taken substantially on the plane of the line 7—7 of Figure 6;

Figure 8 is a fragmentary rear view on an enlarged scale and showing a further detail of the mounting means;

Figure 9 is a horizontal transverse section taken substantially on the plane of the line 9—9 of Figure 8.

Referring specifically to the drawings, where-

2

in like reference characters have been used throughout the several views to designate like parts, 10 designates the back rest of any suitable seat or chair, such as the easy chair illustrated in Figure 1.

The reference character 11 designates generally one form of head rest which may correspond in all essentials with the head rest illustrated in my copending application aforesaid. Such head rest may comprise a base plate 12 adapted to seat a resilient pad 13 thereon and which is maintained against lateral and endwise displacement by means of suitable end flanges. A suitable sanitary cover 14 encompasses the forward edge portions of the base plate and overlies the resilient pad 13, whereby to retain the latter on the base plate against forward displacement. A suitable bolt or like fastening member 15 may be extended through the base plate from the front face whereby to extend rearwardly of the base plate for attachment to mounting means to be described later.

The mounting means for the head rest portion 11 comprises a pair of leg members, such as the rear leg member 16, Figure 2, and the forward leg member 17. The leg members 16 and 17 are adapted to extend in contact with the rear, top, and front surfaces of the chair back rest 10. The rear leg member 16 has an arm portion 18 on its upper end directed angularly thereto and arranged to rest upon the top of the chair back rest, and which is formed with a hole there-through for the passage of a suitable fastening member, such as the bolt 19. The forward leg member 17 is provided with a rearwardly-directed arm portion 21 on its upper end, arranged to rest upon the top of the chair back and which is formed with a plurality of longitudinally-spaced holes 22 therethrough for the passage of the bolt 19. A wing nut 20 is adapted to engage the upper end of the bolt 19 to clamp the arm portions 18 and 21 together. Thus, the leg portions 16 and 17 may be adjusted longitudinally with respect to each other, whereby to clamp the leg portions against the rear and front surfaces of the back rest portions of chairs of a plurality of types and thicknesses. It should be noted at this time, that the leg portions 16 and 17 are preferably formed of substantially resilient metallic material, whereby they may be adjusted toward or away from each other so as to be spaced at a distance less than the thickness of a chair back rest, so as to resiliently grip the back rest therebetween or so as to accommodate chair backs of different cross sections.

The forward leg member 17 of the mounting means is formed with a longitudinally-extending slot 23 therethrough, the rear surface of the leg being formed with a plurality of longitudinally-spaced countersinks 24 for the reception of the head of a bolt 25. The bolt 25 is adapted to extend through one of a plurality of spaced apertures 23 formed in the foot portion 28 of an L-shaped bracket member 26. Any suitable securing means, such as the wing nut 30, may be threaded on the bolt 25 to clamp the bracket member 26 in longitudinally adjusted relation along the forward leg member 17.

The bracket member 26 includes an elongated portion 27 extending at an acute angle to the foot portion 28, the other end of the portion 27 being formed with longitudinally spaced holes 31 through which the bolt 15 of the base plate 12 of the head rest portion is adapted to extend. Any suitable fastening means, such as the wing nut 32, may be threaded on the bolt 15 to clamp the head rest in adjusted relation on the portion 27 of the bracket.

As is readily apparent from the foregoing, the head rest portion 11 is adapted to be longitudinally adjusted in a vertical direction in the slot 23 of the leg member 17, whereby the head rest portion 11 is usable by any of a plurality of persons of different heights or different chair-sitting characteristics. At the same time, the mounting bracket for the head rest portion 11 comprises a universal mounting for the same, whereby the head rest portion can be adjusted angularly to either side of the mounting means, to suit the individual user. Obviously, the leg members 17 and 16 may be secured in clamping relation to the chair back rest 10 at any position along the same as desired by the individual user.

While I have shown and described what is now thought to be the preferred embodiment of the invention, it is to be understood that the same is susceptible of other forms and expressions. Consequently, I do not limit myself to the precise structure shown and described hereinabove except as hereinafter claimed.

I claim:

1. In a head rest device for use on a chair back, a rear leg adapted to extend vertically along the rear of the chair back, said rear leg having an arm on its upper end adapted to overlie the top of the chair back, a front leg adapted to extend vertically along the front of the chair back, said front leg having an arm on its upper end adapted to overlie the top of the chair back, the arms of said rear and front legs being in overlying relation, means securing said arms together in selected longitudinal adjustment to produce engagement of the rear and front legs with the rear and front of the chair back, a bracket having an end adapted to carry a head rest and another end, and means for securing said other end of said bracket to said front leg at selected vertical points along said front leg.

2. In a head rest device for use on a chair back, a rear leg adapted to extend vertically along the rear of the chair back, said rear leg having an arm on its upper end adapted to overlie the top of the chair back, a front leg adapted to extend

vertically along the front of the chair back, said front leg having an arm on its upper end adapted to overlie the top of the chair back, the arms of said rear and front legs being in overlying relation, means securing said arms together in selected longitudinal adjustment to produce engagement of the rear and front legs with the rear and front of the chair back, a bracket extending laterally with respect to said front leg, said bracket having a face end adapted to carry a head rest and another end, and means for securing said other end of said bracket to said front leg at selected vertical points along said front leg, the last mentioned means involving means enabling adjusting said bracket to extend laterally beyond either side of said front leg.

3. In a head rest device for use on a chair back, a rear leg arranged to be engaged with the rear of the chair back having an arm on its upper end arranged to rest upon the top of the chair back, a front leg to be engaged with the front of the chair back having an arm on its upper end arranged to extend across the chair back top and to overlie the rear leg arm, means securably connecting said arms together for longitudinal adjustment relative to each other to position said rear and front legs in engagement with the rear and front of the chair back, an elongated bracket having an outer end arranged for supporting a head rest and an inner end, and bolt and slot means formed on said inner end of the bracket and said front leg enabling adjusting said bracket into selected vertical positions along said front leg and into selected laterally angulated positions at either side of said front leg.

4. In a head rest device, a first leg terminating at one end in a first arm extending laterally therefrom, a second leg terminating at one end in a second arm extending laterally therefrom, said first and second arms being in overlying relation with said first and second legs in parallel spaced relation and slidable longitudinally relative to each other, means securing said arms together for longitudinal adjustment relative to each other so as to increase or decrease the spacing of said legs relative to each other for releasing or producing clamping engagement of said legs with the front and rear surfaces of a support, and a head rest mounted on one of said legs, comprising a bracket extending laterally from said one leg, said bracket having a free end carrying a pad and another end, and further means mounting said other end of the bracket on said one leg for pivoted and sliding adjustment longitudinally and laterally of said one leg.

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