

Feb. 20, 1951

K. M. LIGHTFOOT

2,542,931

CHAIR

Filed Feb. 4, 1949

Fig. 1.

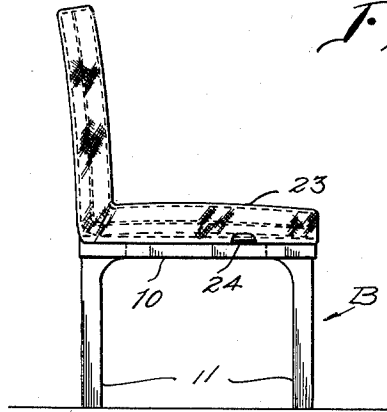


Fig. 3.

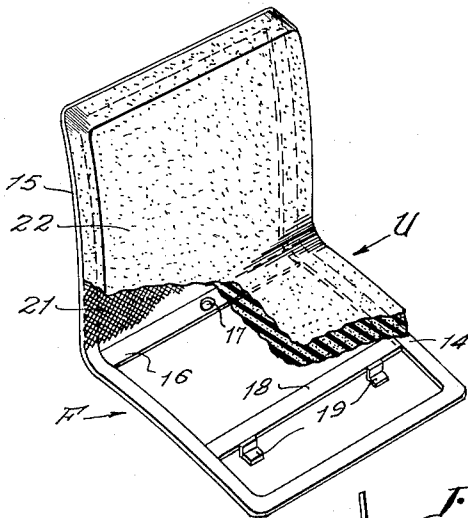


Fig. 2.

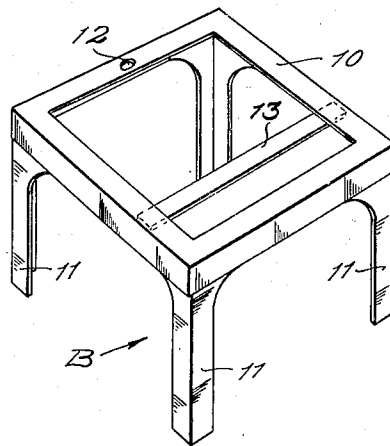
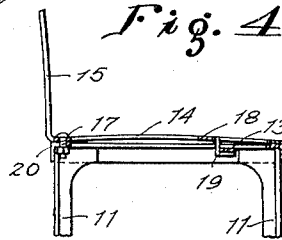


Fig. 4.



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2,542,931

CHAIR

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Application February 4, 1949, Serial No. 74,602

2 Claims. (Cl. 155—194)

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This invention relates to chairs and more especially to chairs made from metal.

The primary object of the invention is to provide a chair comprising a base frame work and a seat and back frame work adapted to be removably and exchangeably secured to the base frame work.

Another object of the invention is to provide a chair of the character indicated above, in which the back and seat frame work is covered with a layer of metal forming the actual seat and back.

A further object of the invention is to provide a chair of the character indicated above, the metal cover of which is shaped to imitate a cane seat and back or the like.

An additional object of the invention is to provide a chair of the character indicated above to the metal seat and back cover of which foam rubber is applied.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved chair whereby certain advantages are attained, as will be hereinafter more fully set forth.

In order that my invention may be better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a side view in elevation of a preferred embodiment of the present invention.

Figure 2 is a view in perspective of the base frame work of the chair as shown in Figure 1, and

Figure 3 is a view in perspective of the seat and back frame of the same chair.

Figure 4 is a sectional view taken in a vertical plane from front to rear through the middle portion of the chair frame, the top and bottom parts being omitted.

The chair as embodied herein comprises a base frame work B consisting of a four cornered top frame 10, from each corner of which a leg 11 extends downwardly. The top frame 10 and the legs 11 are preferably made from angle iron, and the legs are secured to the top frame in any desired conventional manner, such as spot welding or the like. Centrally between the rear legs a hole 12 is provided in the horizontal leg of the rear angle iron member of the top frame 10. A flat bar 13 extends between the two lateral members of the top frame 10 and is secured to said members in any desired conventional manner, for instance by welding. The flat bar 13 is arranged parallel to and spaced rearwardly from the front member of the top frame 10.

A seat and back unit U comprises a frame F preferably made from one continuous piece of a flat bar and forming a seat frame 14 and a back frame 15 extending upwardly from the seat

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frame. A flat bar 16 extends between the two lateral members of the seat frame 14 and is located adjacent to the rear end of said lateral member to which it is secured in any desired conventional manner, such as welding or the like. Centrally between the two lateral members of the seat frame 14 a tapped hole 17 is provided in flat bar 16. Spaced rearwardly from the front member of the seat frame 14 a transverse angle iron bar 18 is secured to the lateral members of said seat frame so that it runs parallel to said front member, and that its front leg extends downwardly. A pair of clamping angles 19 are welded or otherwise fastened on this vertical front leg so that one of the legs of each clamping angle 19 extends forwardly and is located at the lower edge of the transverse angle bar 18. The distance between the transverse flat bar 16 and the transverse angle bar 18 is such, that the clamping angles 19 engage the under side of the flat transverse bar 13 of the base frame work B, when the seat and back unit U is positioned on the base frame work so, that the tapped hole 17 is arranged coaxially with the hole 12. A bolt 20, screwed in the tapped hole during transportation, is removed before the unit U is placed in position on the base framework B, and is then inserted in the hole 12 and screwed into the tapped hole 17, securing the unit U on the base framework.

A metal covering 21 is secured to the seat and back frames 14 and 15 respectively and forms the seat and back proper of the chair. Preferably the metal covering is formed so that it imitates a cane seat and back or any other suitable open work seat and back. A layer 22 of foam rubber is then applied over the metal open work.

A slip cover 23 is put on the back and seat unit U and is held in place by an elastic 24 provided on the slip cover. In practice a plurality of such seat covers may be provided with each chair to afford a change of cover patterns.

I claim:

1. A chair comprising a base frame, a seat frame, and a back frame, said seat and back frames being made from a continuous bar, a flat transverse bar secured to the seat frame at its rear end and provided with a centrally located tapped hole, a second flat transverse bar secured to the seat frame rearwardly of the front end thereof, and an angled clamping element secured to the front edge of said second transverse bar and adapted to engage with a part of said base frame, when said seat and back frames are positioned on the latter.

2. A chair comprising a base frame, a seat frame, and a back frame, said seat and back frames being made from a continuous flat bar, a flat transverse bar secured to the seat frame at its rear end and provided with a centrally lo-

cated tapped hole, a second flat transverse bar secured to the seat frame rearwardly of the front end thereof, a pair of spaced angled clamping elements secured to the front edge of said second transverse bar and each having one leg thereof extending forwardly and located below the under surface of the seat frame, said base frame having a top frame, a rear flat transverse member on said top frame provided with a centrally located hole, a transverse flat element secured to said top frame rearwardly of its front end for the engagement of the said one legs of said clamping elements beneath the same, when the seat frame is placed on the top frame of the base, and a bolt extending through the aligned holes in the transverse bar and member at the rear of said seat and top frames.

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