J. GOLDSTEIN.

CHAIR SEAT.

APPLICATION FILED APR. 13, 1918.

1,302,536.

Patented May 6, 1919.

Fig. 1

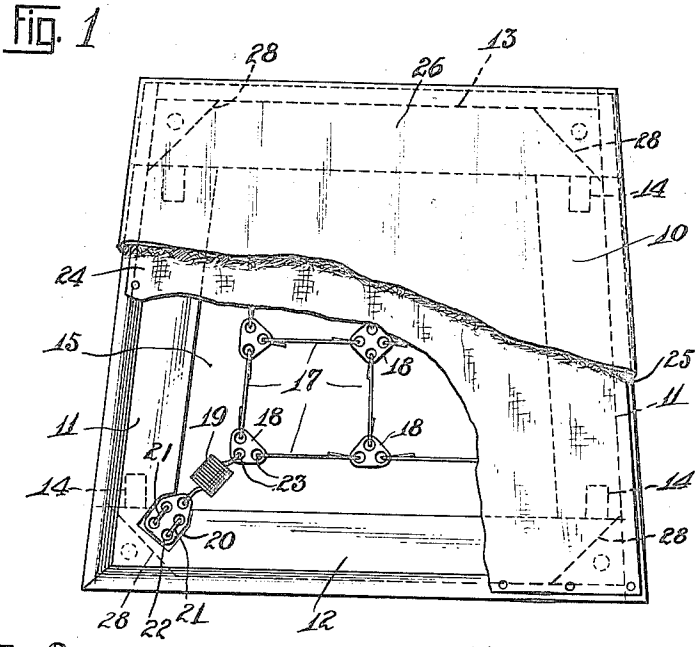


Fig. 2.

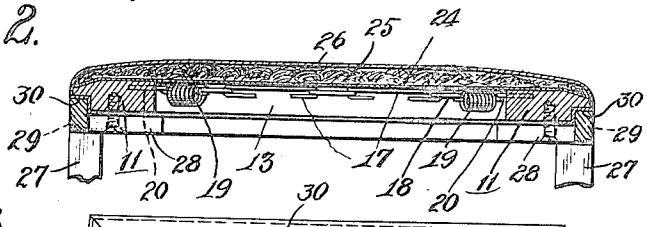
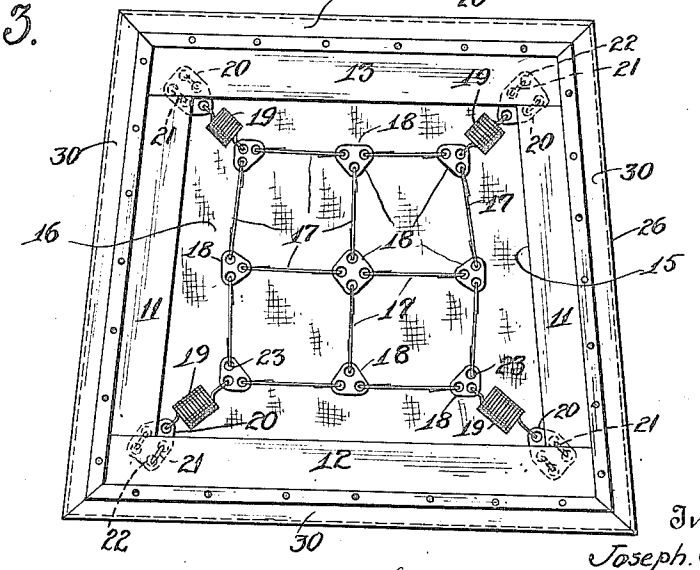


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOSEPH GOLDSTEIN, OF BROOKLYN, NEW YORK.

CHAIR-SEAT.

1,302,536. Specification of Letters Patent. Patented May 6, 1919.

Application filed April 13, 1918. Serial No. 228,339.

To all whom it may concern:

Be it known that I, JOSEPH GOLDSTEIN, a citizen of the United States, and resident of the borough of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Chair-Seats, of which the following is a specification.

This invention relates to chair seats and is directed particularly to cushion seats in which provision is made for resiliency and durability.

In prior constructions of cushion seats for chairs many difficulties have been encountered due to the cushion becoming hard after a short period of use or due to the breaking through of the material at the bottom. My main object in this invention, therefore, is to provide a cushion seat construction which shall be strong, durable and comfortable.

Another object of my invention is to provide a cushion seat of this character which may have these advantages and yet be very simple in construction and inexpensive to manufacture.

A further object is to provide a separate chair seat frame cushion seat which may be easily attached to the ordinary chair such as the kind known as the dining chair.

A still further object of my invention is to provide an improved comfortable and resilient bottom for cushion seats of the character described.

Further objects and advantages of this invention will appear from the detailed description and the features of novelty will be particularly pointed out in the claims.

I am aware that attempts have been made to provide chair seats with means for rendering them more or less resilient. The prior constructions resorted to in the main have provided coil springs in the body of the cushion to render the seat more or less resilient, but these being disposed in the body of the cushion cause discomfort and further cut through the bottom eventually ruining the cushion. Straps of fabric or resilient material have been used as supports for the filling of the cushion but after a little use the filling is compressed against these straps of the bottom, and the cushion becomes hard, and eventually bulges out at the bottom and the chair becomes unsightly.

In the present invention I provide a cushion seat which accomplishes the aforementioned objects, and is free from the difficulties had with these prior constructions.

In the drawing accompanying this invention,

Figure 1 is a plan view partly broken away of a cushion seat embodying my invention in place in a chair and showing the improved resilient bottom;

Fig. 2 is a section taken along line 2—2 of Fig. 1; and

Fig. 3 is a plan view of the cushion seat shown in Fig. 1 viewed from the bottom.

Referring in detail to the drawing 10 indicates a chair seat comprising a preferably wood frame, consisting of side members 11 secured in some suitable manner to the front and end members 12 and 13 as by means of the joints 14. Stretched across the opening 15 is the preferably metal bottom 16 which serves as a resilient support for the cushion. This bottom consists of link members 17 interconnected by the plates 18 and is stretched across the opening in the wood frame and yieldingly held thereto by the helical springs 19. These latter are anchored in plates 20 suitably fastened in the corners of the wood frame as by the staples 21 passing through perforations 22 in the plate. It will be seen that the springs are held in the perforations in the ends of the plates 20 and perforations 23 in the end plates of the resilient frame. The plates 20 are secured at the corners of the wood frame and bridge the end and side members that join at the corner. These plates thus serve as anchors for the coil springs and when the resilient bottom is stretched in place, at the same time help hold the side and end members of the wood frame together, thus coöperating with the joints 14, and preventing the members of the wood frame from becoming loose.

A piece of burlap or the like material 24 covers the resilient frame and the filling or padding 25 for the cushion is disposed therebetween and the usual cover 26 of upholstering material such as leather. The cushion seat is made up as a separate member and may be secured in any suitable manner to the chair frame. This I secure to the legs 27 of the chair the brackets 28 on which the cushion seat rests and may be attached thereto by any suitable means such as dowels or screws 29. It will be noted that in the form shown I cut out the side pieces at the ends as at 30 to provide shoulders whereby the cushion

seat may set into the chair frame and rest on the side piece 31 thereof.

In the practice of my invention I may make up the wood frame and the resilient bottom secured thereto as shown and described, and the cushionless seat members thus formed may be easily packed and shipped to chair manufacturers to be secured to chairs, or I may make up the frame and cushion complete, or chairs with my newly improved cushion seat.

Having thus described my invention, I claim as new and desire to secure by Letters Patent,

1. A chair seat frame for cushion seats comprising a frame member having an opening therein, a resilient bottom comprising a plurality of links and plates for interconnecting said links, anchor plates at the corners of said frame and spring members held in said anchor plates and the end plates of the bottom to yieldingly stretch the latter across said opening.

2. A chair seat frame for cushion seats comprising a frame member having side pieces and end pieces joined together to inclose an opening therebetween, a resilient bottom comprising a plurality of links and perforated plates for interconnecting said links, perforated anchor plates bridging the joints of said frame member, and helical springs held in the perforations in said anchor plates and the end plates of the bottom to yieldingly stretch the latter across said opening.

Signed at the city of New York in the county of New York and State of New York this 18th day of March A. D. 1918.

JOSEPH GOLDSTEIN.