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SEAT COVER

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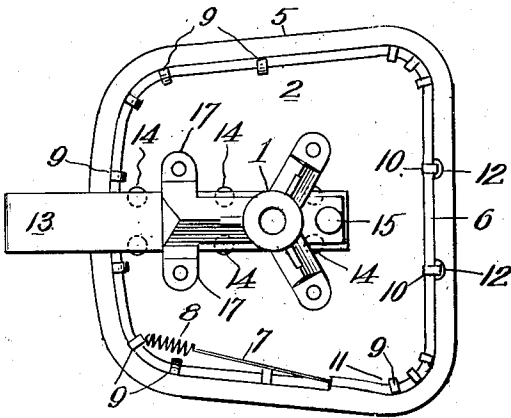


Fig. 1.

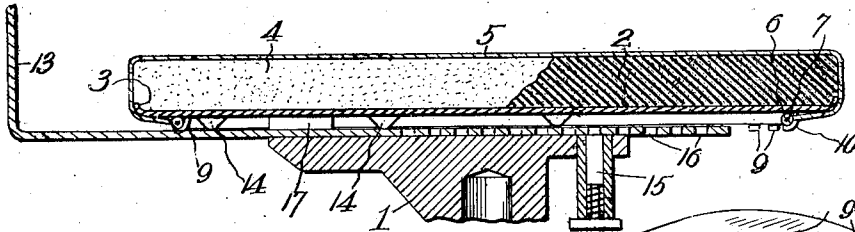


Fig. 2.

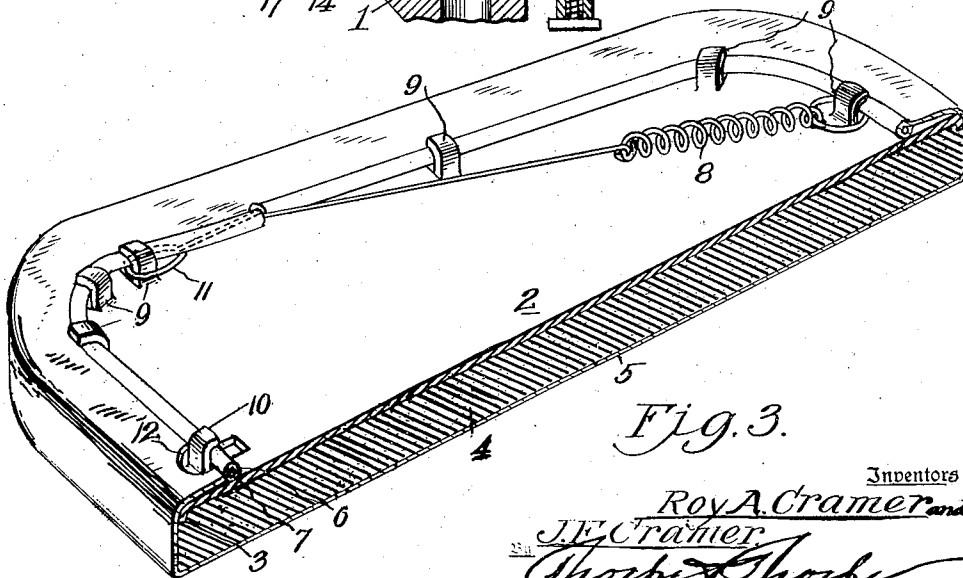


Fig. 3.

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## UNITED STATES PATENT OFFICE

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## SEAT COVER

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Application October 31, 1939, Serial No. 302,198

5 Claims. (Cl. 155—182)

This invention is a continuation in part of our application Serial No. 175,766, filed November 22, 1937, and relates to removable seat covers for use, particularly, with office chairs and the like, having resilient cushions mounted on a seat support. One of the objects of the invention is to provide a tailored cover which may be drawn down over the cushion in tensioned relation and which involves centering lugs projecting downwardly from the underside of the seat support and serving to hold the cover centered against movements of the occupant of the chair.

Another object of the invention is to provide a construction of this kind in which means are provided to positively fix one edge, preferably the front edge, of the seat cover against movement, as it has been found that if one edge of the cover is held in fixed relation to the corresponding edge of the cushion, the other edges of the cover may be relied upon to maintain their respective positions.

A further object of the invention is to provide a chair of the character mentioned having an adjustable back rest support portion in which the seat support has means for spacing the back rest support portion below the seat support so that the proximate edge of the seat cover will not come into frictional engagement with the adjustable back rest.

With the general objects named in view and others as will hereinafter appear, the invention consists in certain novel and useful features of construction and combination of parts as hereinafter described and claimed; and in order that it may be fully understood, reference is to be had to the accompanying drawing, in which—

Figure 1 is an inverted plan view of the chair seat and supporting equipment.

Figure 2 is a central longitudinal section of the construction shown in Figure 1.

Figure 3 is an enlarged inverted perspective of a fragment of the seat, cushion and cover.

In the said drawing, where like reference characters identify corresponding parts, 1 is a spider which may be mounted on any suitable legs, not shown, and secured thereon is a seat support 2, preferably of sheet metal, and provided with a marginal upturned reinforcing or stiffening flange 3, which of course could be downturned as far as its stiffening function is concerned. Vulcanized, cemented or otherwise securely fixed to the upper surface of the seat support is a cushion 4, preferably of sponge or blown rubber or latex composition, said cushion being of dimensions corresponding to that of the support and

being snugly received within the edge flange 3 thereof in the construction shown.

The cover 5 for the cushion comprises a tailored fabric which, in its preferred form, has a marginal draw cord receiving loop 6, the cover being of such dimensions that the draw cord edge underlies the seat support 2. Threaded through the marginal loop is a draw cord or wire 7, which preferably is non-elastic, the drawing action, as will hereinafter appear, being effected by a spring 8 secured to one end of said draw cord.

It has been found with a seat cover of the character mentioned, that for best service and to insure the cover retains its centered position, on the seat cushion, some positive means should be supplied to limit the action of the draw cord. Therefore, the seat support is provided with a series of downwardly projecting spaced stop lugs 9 along its back and two side margins, said lugs preferably being in the shape of outwardly opening hooks in reference to the center of the seat, while along one side, preferably at the front of the seat, inwardly opening lugs 10 are formed for a purpose which will hereinafter appear. The seat cover is positioned over the cushion, and one end of the draw cord 7 is fixed to the seat support as by being looped as at 11 over a lug 9, the free end of the spring 8 being secured to the seat support in tensioned relation as by being secured to a lug 9, and all slack is drawn out of the fabric and the cover is held centered through the tensioned draw cord tending to draw the fabric together as guided and limited by the lugs 9. Along the front edge of the seat openings 12 are made in the fabric of the seat cover through which the inwardly opening lugs 10 project, so that said lugs act as anchors to fix this edge of the seat cover against movement in either direction, since the body of the fabric will be on one side of said lugs 10, while the draw cord is on the other sides of such lugs.

When the chair is provided with the sliding back support bar 13, the seat support 2 is formed with downwardly extending spacing lugs 14 which contact the back support bar 13 and are of suitable length, depending on the space necessary to clear the stiffening flange if downturned and also to provide clearance to avoid chaffing or interference with the approximate edge of the seat cover 5. With this type of construction the back support bar may be adjustably slid toward and from the seat and locked by a spring locking pin 15 engaged with openings 16 in the back support bar, as shown. The back support bar is held in position against lateral movement by the pin 15

and the spider lugs 17 by which the plate 2 is secured to the spider.

From the above description it will be apparent that we have produced a construction embodying the features set forth as desirable and while we have described and illustrated the preferred embodiment, it is to be understood that we reserve the right to all changes within the spirit of the invention and without the ambit of the prior art.

**10 We claim:**

1. A chair seat comprising a seat support having a plurality of spaced downwardly extending lugs, a resilient cushion resting on said seat support, a fabric cover over said cushion and extending under the seat support, said cover having means adapted to engage said lugs and resilient means tending to pull the cover together below the seat support, the action of said resilient means being limited to center the cover on the seat by engaging said means with said lugs.

2. A chair seat comprising a seat support having a plurality of downwardly extending lugs, a resilient cushion resting on said seat support, a fabric cover over said cushion and having its margin underlying the seat support, said cover having means including a loop in the margin adapted to engage said lugs, a draw cord threaded through said loop and having its opposite ends projecting therefrom, one end of said draw cord being secured to the seat support, and a spring having one of its ends secured to the free end of the draw cord and its other end secured to the seat support, the action of said spring tending to draw the edges of the cover together and engaging said means with the lugs.

3. A chair seat comprising a seat support, a spider supporting said seat support, a back support bar slidably received between the seat support and spider, a resilient cushion on the seat

support, a fabric cover over said cushion and having an edge margin underlying the seat support, a draw cord operatively connected with said margin for pulling the seat cover together below the seat support, and spacing lugs projecting downwardly from the seat support and engaging the back support bar to hold the back support bar out of engagement with the proximate portion of the seat cover.

4. A chair seat having a metallic seat support, a plurality of downwardly extending lugs struck out from said support, a resilient cushion positioned on said support, a cover over said cushion and having means underlying the support, said means adapted to engage said lugs, a non-elastic draw cord positioned in a hem comprised in said means and having its opposite ends projecting therefrom, means for securing one end of said draw cord to said support, a coil spring having one end thereof secured to the free end of the draw cord, and means for securing the other end of the spring to the support, the action of said spring tending to draw the edges of the cover together and engaging said means with the lugs.

5. A chair seat comprising a seat support having means extending downwardly therefrom and spaced inwardly from the marginal edge of the support, a resilient cushion positioned on the seat support, a fabric cover over said cushion and having its margin extending under the seat support, said cover having means including a loop in the margin adapted to engage said first means, and resilient means including a non-elastic draw cord positioned in said loop tending to pull the cover together below the seat support, the action of said resilient means being limited to center the cover on the seat by engaging said second means with said first means.

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