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R. A. CRAMER ET AL

2,191,848

SEAT COVER

Original Filed Oct. 31, 1939

Fig. 1.

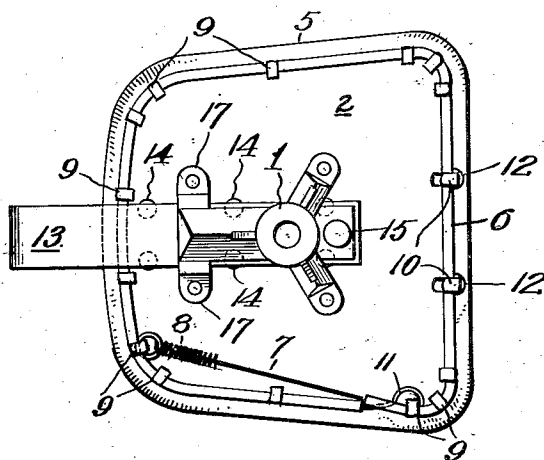


Fig. 2.

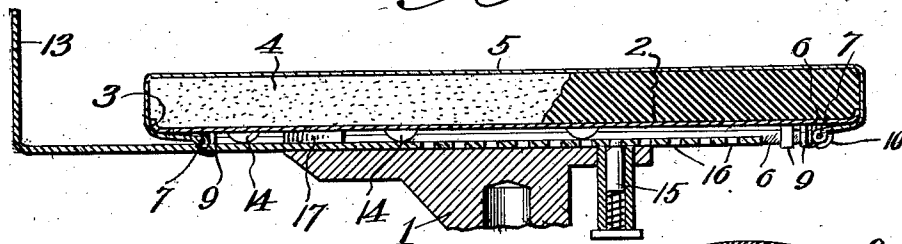
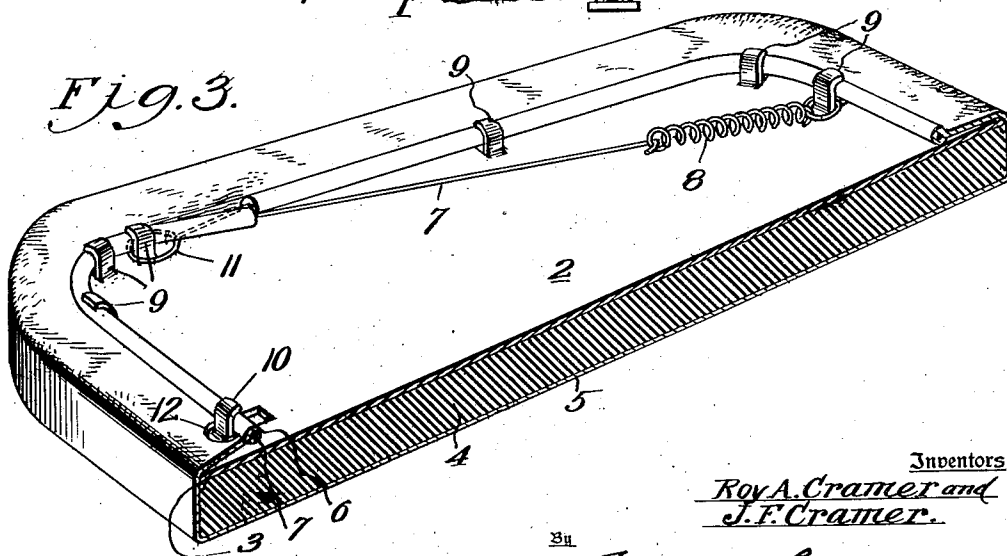


Fig. 3.



Inventors

*Roy A. Cramer and
J. F. Cramer.*

By

Thorpe Thorpe

Attorneys

UNITED STATES PATENT OFFICE

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SEAT COVER

Roy A. Cramer and Jesse F. Cramer, Kansas City,
Mo.Original application October 31, 1939, Serial No.
302,198. Divided and this application Decem-
ber 29, 1939, Serial No. 311,672

3 Claims. (Cl. 155-182)

This application for patent is a division of our application Serial No. 302,198, filed October 31, 1939, 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.

The chief 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.

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 turned down 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. Of course, if the seat support plate is of sufficiently heavy gauge it will be unnecessary to form it with the edge stiffening flange.

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 side 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 proximate 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.

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 having its edge margin underlying the seat support, the fabric cover having means along one edge interlocked with certain lugs to permanently fix one edge of the seat cover, and resilient means tending to pull the remaining edges of the cover together below the seat support into engagement with the remaining lugs.

2. A chair seat comprising a seat support having a plurality of spaced downwardly extending outwardly facing lugs along three of its sides and a plurality of spaced downwardly extending inwardly facing lugs along the fourth side, a resilient cushion resting on said seat support, a fabric cover over said cushion and having its edge margin underlying the seat support, the

fabric cover having means along one edge interlocked with the inwardly facing lugs, and means tending to pull the other edges of the seat cover together below said seat support into contact with the outwardly facing lugs.

3. A chair seat comprising a seat support having a plurality of downwardly extending lugs along one edge, a resilient cushion resting on said seat support, a fabric cover over said cushion and having a draw cord loop margin underlying the seat support and having means along one edge interlocked with said lugs to anchor said edge in position, a draw cord separate from said means and 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 unsecured edges of the cover together below said seat support.

ROY A. CRAMER.

JESSE F. CRAMER.