

Oct. 27, 1953

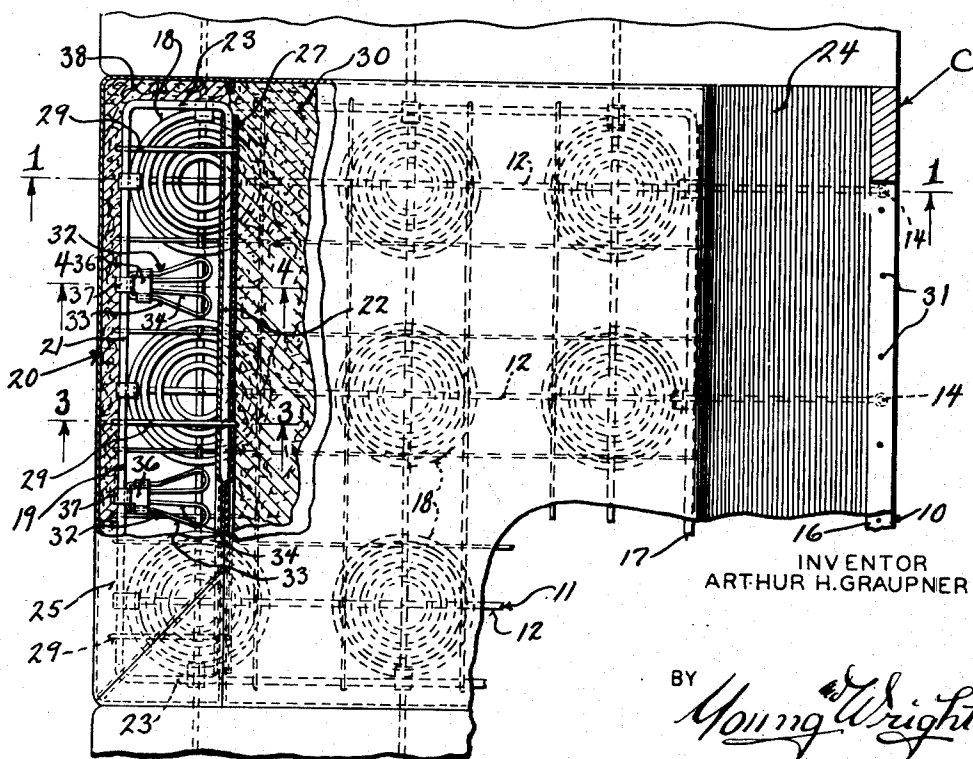
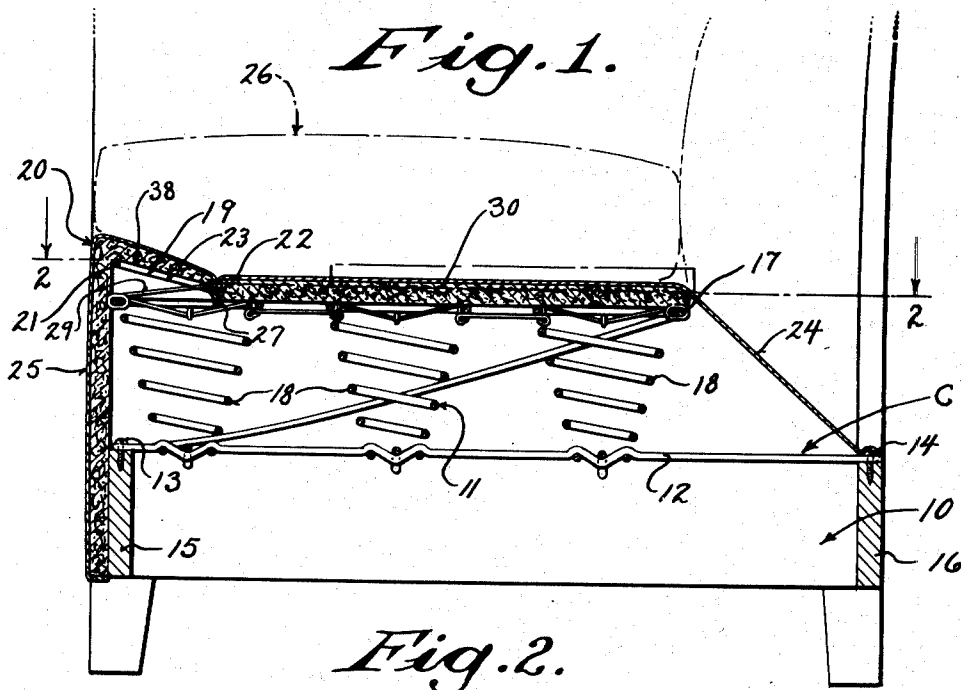
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2,656,880

DUAL EDGING

Filed June 25, 1951

2 Sheets-Sheet 1



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Fig. 3.

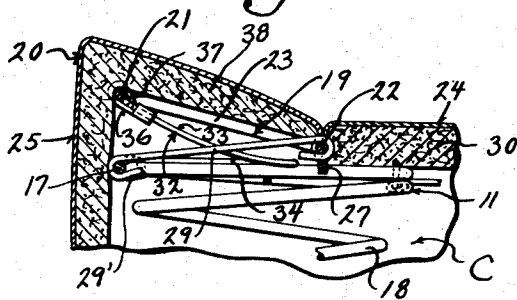


Fig. 4.

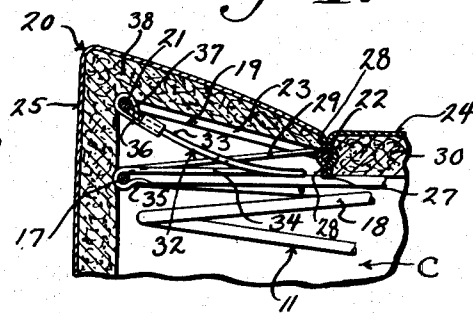


Fig. 5.

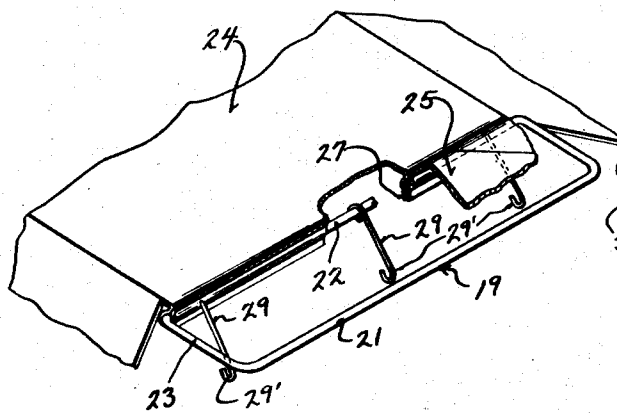


Fig. 6.

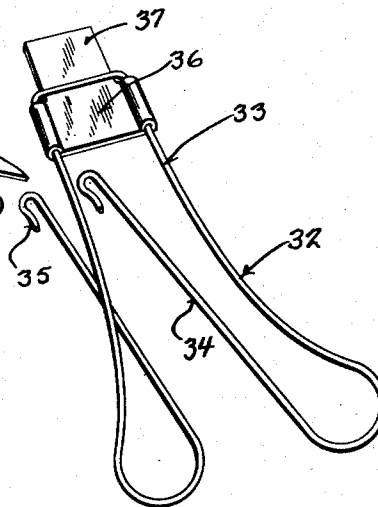
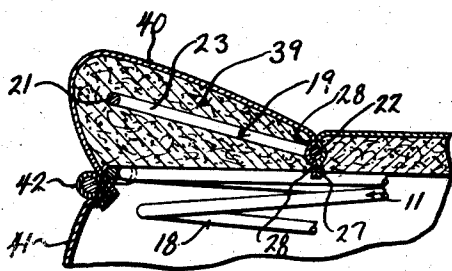


Fig. 7.



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UNITED STATES PATENT OFFICE

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3 Claims. (Cl. 155—181)

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This invention appertains to furniture, and more particularly to the upholstering of chairs, lounges and the like of the type having removable seat cushions.

It is customary, in the art of upholstering, to provide a raised front or rolled edge on the seat or bottom of the upholstered chairs and lounges, to give a pleasing appearance to the furniture, and to act as a stop for the removable cushions placed on the seat or bottom.

Much difficulty has been experienced in the making of this raised front edge, and the services of a skilled upholsterer are required. The usual procedure is to utilize a heavy, preformed padded strip at the front edge of the bottom under the finishing cover. The placing of the preformed strip in position requires skill and the hand sewing of the padded strip in place at its front and rear edge is a time-consuming and tedious operation, and the cost of the strip is material. In spite of the employment of skilled upholsterers, the positioning of the preformed strip varies, and consequently, the raised edge in different pieces of furniture varies.

One of the primary objects of my invention, is to provide a novel means for forming a raised, front rolled edge on upholstered seat bottoms which will entirely dispense with the necessity of providing a preformed, padded strip and the sewing thereof in place, and which will give a pleasing appearance to the furniture and an effective support for the cushions and persons sitting on the chair or lounge.

Another salient object of my invention is the provision of a front wire frame carried by the top lining of the chair bottom and the front finishing cover at the point of the sewing of the lining and front finishing cover, together with means for holding the front of the wire frame in a raised, elevated position over which the ordinary padding is placed to form the desired front, elevated edge.

A further important object of my invention is to provide means whereby the front wire frame together with the top lining and the front finishing cover are merely secured to the spring bottom by the use of wire hooks, which can be easily and quickly placed in position by unskilled workmen, the wire frame forming a uniform straight edge.

A still further object of my invention is the provision of supplemental springs at the front edge of the seat bottom for holding the wire frame in its desired, elevated position and for giving additional resiliency to said raised front edge.

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With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described and claimed, and illustrated in the accompanying drawings, in which drawings,

Figure 1 is a transverse sectional view through a piece of furniture constructed in accordance with my invention to give the desired front raised edge, the section being taken on the line 1—1 of Figure 2, looking in the direction of the arrows.

Figure 2 is a horizontal, sectional view through the piece of furniture, taken on the line 2—2 of Figure 1, looking in the direction of the arrows.

Figure 3 is an enlarged, fragmentary detail vertical sectional view, taken on the line 3—3 of Figure 2, illustrating the means for hooking the front wire frame in position.

Figure 4 is a similar sectional view, but taken on the line 4—4 of Figure 2, looking in the direction of the arrows and illustrating the means for securing the supplemental supporting springs in place.

Figure 5 is a fragmentary, detail perspective view with parts broken away and in section illustrating the front wire frame and its hooks carried by the top seat lining and front finishing cover, prior to the placing of the frame, lining and cover in place.

Figure 6 is an enlarged detail perspective view of one of the supplemental springs.

Figure 7 is a fragmentary transverse sectional view showing the use of my frame for forming a raised, rolled edge.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter C generally indicates a piece of furniture, which in the present instance can be considered as a chair having arms.

The chair C includes the usual chair frame 10, having attached thereto the spring seat bottom 11. This resilient seat bottom 11, includes a lower wire frame 12, which is secured as at 13 and 14 to the front and rear rails 15 and 16 of the chair frame. The resilient seat bottom 11, also includes a top wire frame 17 and the bottom frame 12 and the top frame 17 are connected by coil springs 18. This described structure is common in upholstered chairs and lounges.

In accordance with my invention, I employ a front supplemental wire frame 19 to form the front raised edge 20 of the chair bottom. This front supplemental wire frame 19, includes front and rear parallel stretches 21 and 22 connected

together by end stretches 23. The chair bottom and the spring frame 11, are covered by a suitable fabric lining 24 and a front ornamental finishing cover 25. The top lining 24 is normally hidden from view by a removable seat cushion 26, shown in dotted lines in Figure 1. The lining 24 and the front finishing cover 25, are united by sewing to form a seam 27, and these pieces are united prior to the placing thereof over the chair bottom. The rear stretch 22 of my supplemental front wire frame 19 is received in this seam, as is best shown in Figures 4 and 5. The stitching 28 for the seam holds the wire frame in place. Hooks 29 are carried by the rear stretch 22 of the frame 19 for swinging movement and these hooks can extend through openings in the seam.

After the resilient frame 11 is placed in position on the chair frame and covered by a top padding 30, the lining 24 is placed over the padding and the bills 29' of the hooks 29 are placed over the front of the top wire frame 17 of the spring bottom 11. The lining 24 is now pulled back and drawn taut and secured in place to the upper edge of the rear rail 16 of the chair frame 10, by suitable fastening elements, such as tacks 31. The pulling back of the lining and the fastening of the same in place also pulls back on the hooks 29 and there is a tendency for the frame 19 to swing up to the raised position shown in Figures 1, 3 and 4.

It is preferred to provide spring means for holding the front of the wire frame 19 in a raised elevated position and to add resiliency to the front raised edge 20 and I employ wire springs 32 for this purpose, which can be easily and quickly placed in position. Each of the springs 32 is preferably fabricated from a piece of wire and includes a top U-shaped portion 33 and bottom bent-back resilient legs 34. The outer ends of the legs 34 terminate in hooks 35, and these hooks are also placed about the front of the top wire frame 17 of the chair spring bottom 11. The top U-shaped portion 33 of each spring has secured thereto a metal strip 36 having a tongue 37, which is bent about the front stretch 21 of my wire frame 19. This type of spring is preferred, as the same can be cheaply made and can be quickly and easily placed in position. Obviously, any number of these springs that may be desired can be employed. After the springs 32 are in place, a front padding 38 is placed over the frame 19 and is brought down in front of the chair or other piece of furniture, after which the front finishing cover 25 is secured to the chair frame.

From the foregoing description, it can be seen that I have provided an efficient means for forming a front elevated edge on upholstered furniture and that the edge can be quickly and inexpensively made by unskilled help.

Where a rolled, raised edge is desired, see Figure 7, a padding 39 can be folded over the frame 19. That is, the padding can be placed on top

of the frame and then folded under the frame. To give an ornamental appearance the front finishing cover can be made in top and bottom sections 40 and 41, with their meeting edges sewed together and finished off by a welt 42. I have not shown the use of springs 32 with this rolled edge, but the same can be used if desired.

Changes in details may be made without departing from the spirit or the scope of this invention, but what I claim as new is:

1. A bottom for upholstered furniture of the type having a raised front edge comprising a resilient seat frame, a top padding on the frame, a cover for said padding, a cover for the front of the resilient seat frame, means connecting the adjacent edges of the coverings together, a supplemental wire frame for the front of the bottom including front and rear straight parallel stretches and connecting end stretches, said rear stretch being connected to the coverings at the point of the uniting of said coverings, spaced hooks pivotally carried by the rear stretch hooked over the top front edge of the resilient seat frame, said top covering being pulled taut in a rearward direction to hold the hooks tight on the resilient seat frame, and a padding over the supplemental frame.

2. A bottom for upholstered furniture of the type having a raised front edge comprising a resilient seat frame, a top padding on the frame, a supplemental frame pivotally secured to the front of the resilient frame and including a front straight stretch, and springs normally holding the front stretch in a raised elevated position above the top padding, said springs including hooks engaging over the front of the resilient frame and means connecting the springs to the front stretch of the supplemental frame.

3. A bottom for upholstered furniture of the type having a raised front edge comprising a resilient frame, a top padding on the frame, a supplemental frame including front and rear parallel stretches and connecting end stretches, hooks pivotally carried by the rear stretch and hooked over the front of the resilient frame, and means supporting the front stretch in a raised elevated position above the top padding, said means for supporting the front stretch including spaced springs, each of said springs including an upper section and lower resilient legs terminating in hooks engaged over the resilient frame, and a plate carried by the upper section having a tongue bent over the front stretch of the supplemental frame.

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