Nov. 11, 1930. F. L. SMITH 1,781,086

METHOD OF CONSTRUCTING FURNITURE

Filed March 29, 1928

Fig. 1.

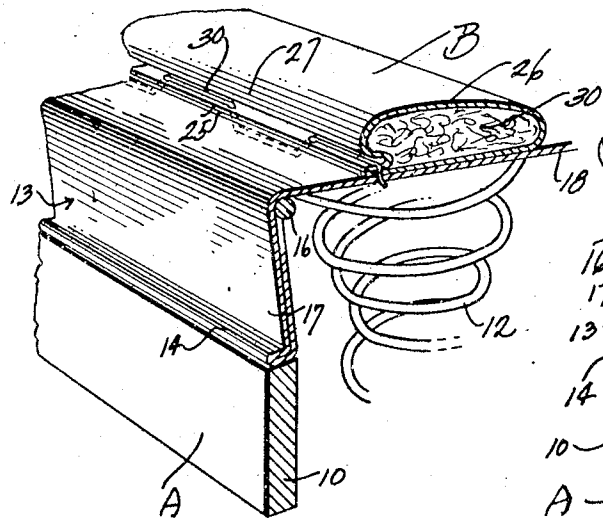


Fig. 2.

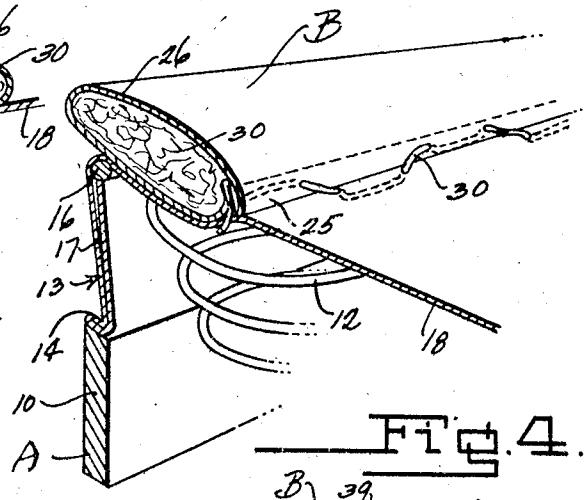


Fig. 4.

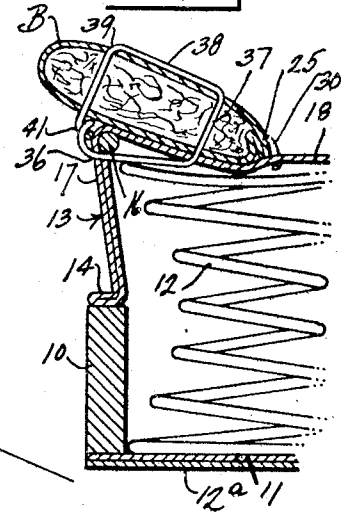
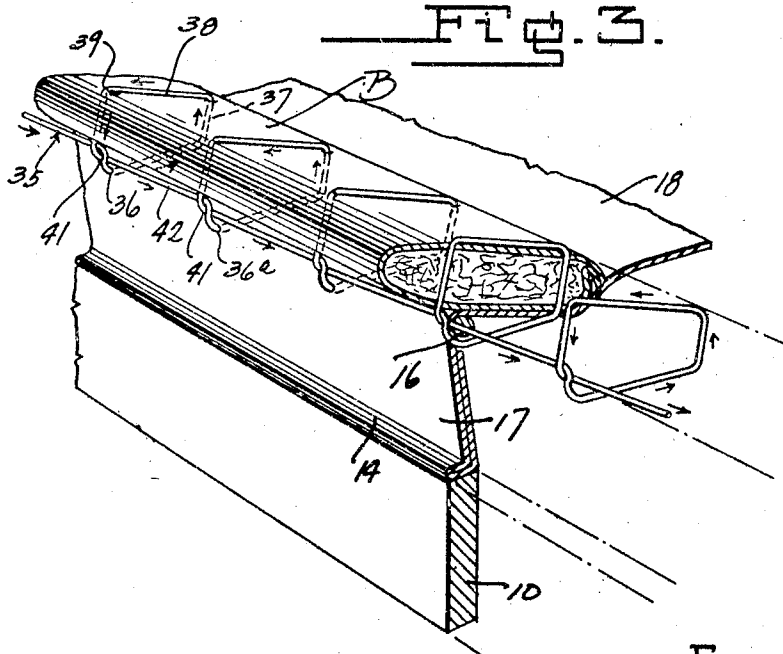


Fig. 3.



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UNITED STATES PATENT OFFICE

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METHOD OF CONSTRUCTING FURNITURE

Application filed March 29, 1928. Serial No. 265,711.

This invention relates to improvements in furniture and the method of constructing the same.

The primary object of this invention is the provision of an improved method for assembling upholstering edging upon chair and davenport seats, and elsewhere upon furniture where the same may be desired; the invention contemplating the use of an edging strip formed substantially according to the method and article described and claimed in my co-pending application, Serial No. 265,710, filed March 29th, 1928, and being attached in a novel and expeditious manner upon the seat in a substantially permanent and shape retaining relation.

Other objects and advantages of this invention will be apparent during the course of the following detailed description.

In the accompanying drawing, forming a part of this specification, and wherein similar reference characters designate corresponding parts throughout the several views,

Figure 1 is a fragmentary perspective view, partly in section, showing an initial step in the placing of an edging roll or strip upon a seat.

Figure 2 shows a step succeeding the initial stitching of the edging strip to the seat as shown in Figure 1, with the edging strip bent back over the margin of the chair seat into place.

Figure 3 shows a step in the method of forming the upholstered furniture, succeeding the steps shown in Figure 2, and comprising the stitching of the edging in place about the margin of the chair seat or the like.

Figure 4 is a transverse sectional view showing how the edging strip is finally and permanently secured upon the article of furniture, such as a seat, in an edge or mold finishing relation.

In the drawing, wherein for the purpose of illustration is shown only a preferred embodiment of this invention, the letter A may generally designate any approved article of furniture, preferably a seat of a chair, davenport, or the like, of any approved and conventional formation, upon which the improved edging strip B is assembled and attached after a novel method and in a novel relation.

The seat A, by way of example, may include the rigid framework walls 10, of wood, metal, or the like, having connected between the lower edges thereof the ordinary interwoven spring supporting strips 11 upon which the spiral compression springs 12 are supported, as in conventional construction; it being preferred to place a one-piece covering 12^a over the bottom supporting strips 11, in manner which is well known. The upper part of the seat consists of the ordinary flexible fabric box casing 13, peripherally secured at 14 to the top edge of the framework 10, and extending upwardly and receiving therein a shaping frame 16; the box casing 13 thus including the upstanding flexible wall portion 17 from the top of the rigid framework 10 to the wire shaping frame 16, and including a top flexible seat wall 18, against which the tops of the springs 12 abut. It is perfectly well understood in the art that this type of box spring seat is readily yieldable.

The upholstery molding or edging B is preferably of the construction set forth in my co-pending application above referred to, the same being of substantially uniform cross section throughout the length thereof, and flattened into an elongated substantially oval-shaped cross section, the same having an attaching flap 25, formed by the meeting edges of the tubular flexible cover 26, which extends laterally from adjacent a side edge 27 of the edging B, with a short portion of the longitudinal side of the edging B projecting in an overlapping relation with the attaching flap 25, in order to properly secure the edging B at the desired inclination when the same is folded into position upon the flexible seat portion 18 of the seat, as is shown in Figure 2 of the drawing. The edging B, of course, has the flexible cover 26 thereof filled with upholstery filling 30, compacted and held in shape in a manner set forth in my co-pending application above referred to.

The edging strip B is placed upon the fabric seat cover 18, initially in an inverted position from that which it occupies in the

finished condition, with the attaching flap 25 flat against the cover 18, a short distance inwardly from the marginal edge formed at the juncture of the frame 16, as shown in Figure 1. In this position on it is to be noted that above the attaching flap 25 a short marginal portion of the edging B overlaps therewith. The attaching flap 25 is longitudinally stitched as at 30 to the seat cover 18, in a secure and efficient relation, and thereafter the edging B is swung as a hinge on the flap 25 through an angle of approximately 180° from its inverted position shown in Figure 1 to the finishing position shown in Figure 2. This pulls the stitching 30 taut and presses the adjacent longitudinal marginal portion of the edging B into a depressed relation into the flexible cover 18, providing a neat joint at the juncture of the lower edge of the edging with the seat 18, free of abrupt obstructions. It is to be noted that the attaching strip 25 is so stitched in a spaced relation with respect to the adjacent parallel frame 16 that when turned to the position which it will occupy, the edging B at the opposite longitudinal edge of the attaching flap 25 will overhang and extend beyond the adjacent length of the wire frame 16, as shown in Figures 2, 3 and 4 of the drawing. It is held in this position in any approved manner until stitched in a permanently secured relation in such position.

Referring to the manner of stitching the improved edging B in the final position upon the seat or other structure A, the stitching is more particularly detailed in Figures 3 and 4 of the drawing, and proceeds in the direction indicated by the arrows in Figure 3 of the drawing. That is, the stitched thread designated by numeral 35 in Figure 3 of the drawing is inserted at 36 thru the wall 17 of the flexible box seat 13, beneath the wall frame 16, and the thread extended beneath the cover 18 underneath the edging B, and inserted thru the edging at 37, coming out on top of the edging slightly spaced from the attaching flap 25, and the stitch thread is then extended transversely across the top of the edging B, at 38, and the needle then inserted downwardly into the edging about one-third the distance from the outer marginal edge thereof, at a location 39, and exits at the lower surface of the edging just outwardly of the wire frame 16. The needle controlling the stitch thread is then looped thru the thread 35 along the outer wall 17, at a location 41, shown in Figure 3 of the drawing, and the thread drawn taut to pull the previous stitch tight, and the needle is then inserted at a location 36ª into the box seat wall 17, and another stitch formed as above described; the thread length 42 between the stitches being drawn tight and interlinked at the locations 41. In this manner the edging B is stitched permanently into position along the edge of the seat, with the stitch threads secured to the fabric box seat 13 and embracing the frame 16, all of which secures the edging in a very durable and efficient relation upon the seat, so that the same cannot readily become displaced from the proper edge extending position.

Various changes in the steps of the method of edge upholstering furniture, as well as departure from details of the invention, may be made to the form described, without departing from the spirit of the invention or the scope of the claims.

I claim:

1. The method of upholstering furniture which consists in placing an edging strip in an inverted position upon a furniture base adjacent a marginal edge thereof, securing the edging strip, while in said inverted position, along a longitudinal edge thereof to the base, reverting the edging strip by swinging it along the attached edge upon the base towards the adjacent marginal edge of the base until the side of the edging strip abuts a surface of the base, and securing the edging strip in this position upon the base to provide a marginal edging for the base.

2. The method of edging furniture which consists in placing upholstering edging on a support to be edged, a short distance inwardly from the edge of the support so as to expose a marginal portion of the support, longitudinally stitching the adjacent edge of the edging facing said marginal portion to the support, and turning the edging into an overlying engagement with said marginal portion of the support and stitching the same thereto into a secured edge finished relation about the margin of the support.

3. In the method of upholstering furniture the steps which consist in stitching an edging strip along a longitudinal edge thereof to a seat cover in spaced relation from the edge of the seat cover, overturning the edging with stitching acting as a hinge into overlying relation upon the margin of the seat, and transversely stitching the edging to the cover.

4. The method of edge upholstering seats and the like which consists in providing a stuffed edging strip having a substantially flattened cross section and having a lateral attaching flap at a side thereof between the ends but close to one marginal edge thereof, stitching said attaching flap, while the edging strip is inverted with the attaching flap facing said margin of the seat, to the seat in spaced relation from the edge of the seat, subsequently overturning the edging strip upon the marginal portion of said seat and pressing the same into firm overlying relation with said seat margin, and securing the same in said position.

5. The method of edge upholstering seats and the like which consists in providing

a stuffed edging strip having a substantially flattened cross section and having a lateral attaching flap at a side thereof between the ends but close to one marginal edge of the seat, stitching said attaching flap, while the edging strip is inverted with the attaching flap facing the margin of the seat, to the seat in spaced relation from the edge of the seat, subsequently overturning the edging strip upon the marginal portion of said seat and pressing the same into firm overlying relation with said seat margin, and securing the same in said position by stitching the edging transversely thereacross and longitudinally thereof to said seat.

6. The method of stitching an edging to a furniture seat which consists in placing the edging upon the edge portion of the seat and extending beyond the edge thereof and stitching the edging in place by means of transverse loop stitches transversely of the edging intersecting thru the seat material, with connecting threads below the edging and exteriorly about a side of the seat.

7. In the method of placing upholstering edging upon seats the steps which consist in the placing of flexible stuffed edging upon a flexible spring supported box seat in an inverted position in marginally spaced relation from the corner edge of the seat, closely stitching the edge of the edging which faces the margin of the box seat to the box seat, reversing the edging by swinging upon the stitching as a hinge into overlying relation with the margin about the box seat, and stitching the edging in this position to the margin of the box sheet.

8. In the method of placing an upholstery edging upon a supporting surface, the steps which consist in placing a flexible stuffed piece of edging upon a supporting surface in a normally inverted position, longitudinally securing the piece of edging along one side thereof to the supporting surface, swinging the piece of edging thru an arc sufficient to substantially reverse the piece of edging to a normal righted position with a longitudinally secured portion acting as a hinge during such swinging, and securing the piece of edging in engagement upon the supporting surface in its righted position.

FRANK L. SMITH.