April 10, 1928. 1,665,351

F. H. GIBBS

SEAT FRAME

Filed Aug. 2, 1926

Fig. 1.

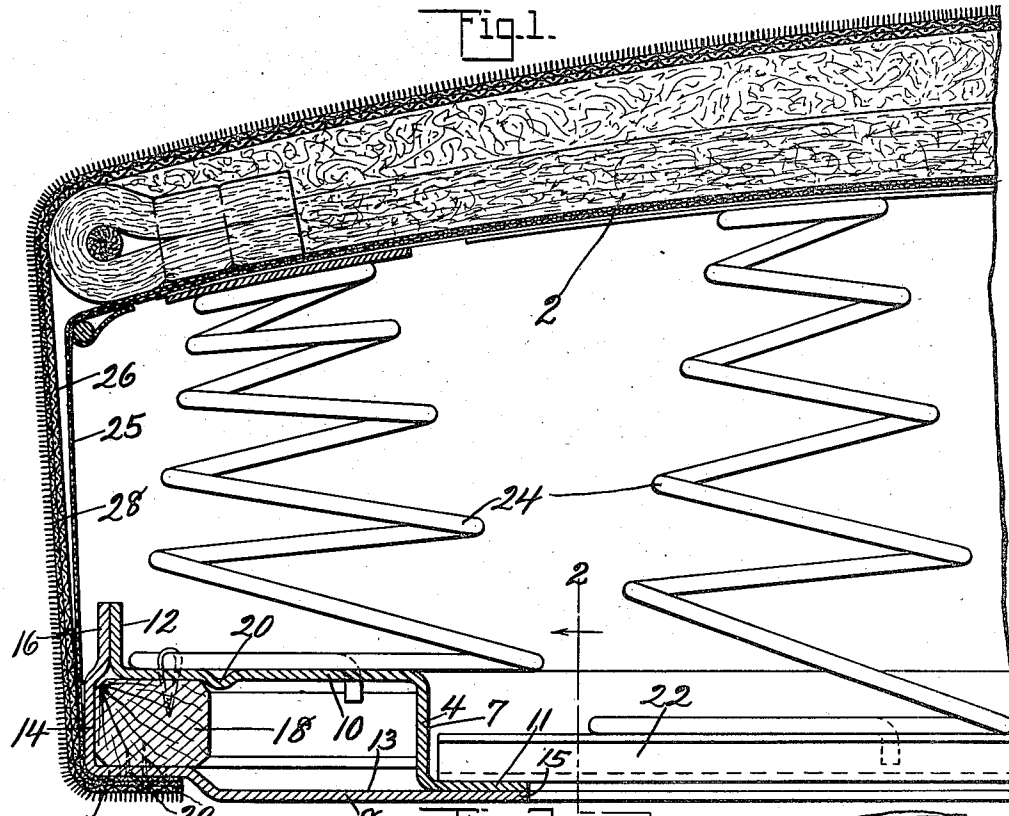


Fig. 2.

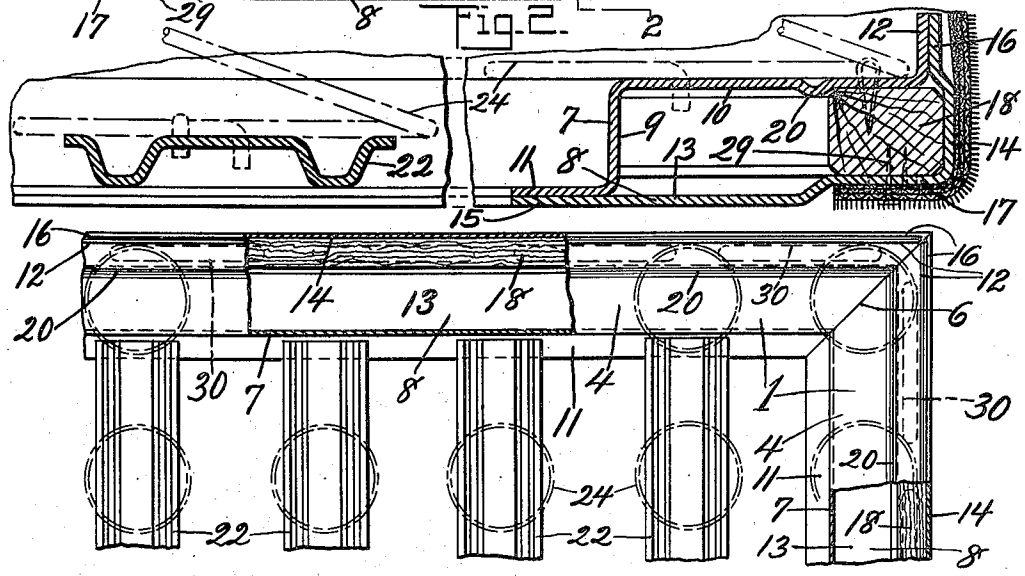


Fig. 3.

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SEAT FRAME.

Application filed August 2, 1926. Serial No. 126,681.

This invention relates to seat cushions, and it is an object of this invention to provide an improved frame for seat cushions formed of pressed metal sections and securely housing tacking strips to which the seat covers and canvases may be secured.

The accompanying drawings illustrate the preferred form of the invention, though it is to be understood that the invention is not limited to the exact details of construction shown and described, as it is obvious that various modifications thereof within the scope of the claims will occur to persons skilled in the art.

In said drawings:

Fig. 1 is a partial vertical section of a seat cushion having a bottom frame constructed in accordance with this invention;

Fig. 2 is a broken partial section taken on the line 2—2 of Fig. 1; and

Fig. 3 is a partial plan view of the bottom frame shown in Fig. 1, parts of the frame being broken away to show other parts more clearly.

In the drawings the improved frame 1 is shown as the bottom frame of a seat cushion 2 and comprises substantially rectangular, tubular members 4 which are mitered at their ends as at 6 and joined together in any suitable manner as by welding. Each member 4 is formed of a plurality of pressed metal sections 7 and 8, the section 7 having angularly disposed sides 9 and 10 provided with outwardly projecting flanges 11 and 12, respectively, and the section 8 having angularly disposed sides 13 and 14 provided with outwardly projecting flanges 15 and 16, respectively. A portion 17 of the side 13 is offset from the main body of that side and the flange 15 is in line with the main body of that side, while the flange 16 is offset inwardly from the side 14. The sections 7 and 8 are joined together by means of their flanges, the flanges 11 and 12 being secured to the flanges 15 and 16, respectively, in any desired manner, as by riveting or welding, and form substantially rectangular, tubular members in which are inserted the tacking strips 18 which are carried upon the offset portions 17 of the sides 13 and are held in position by longitudinal corrugations 20 in the sides 10. These corrugations may extend for a part or the entire length of the members 4 or they may be placed at intervals along the members. The tacking strips 18 may extend to the ends of the members and have mitered ends which engage the correspondingly shaped ends of the tacking strips in the adjacent frame members.

The projecting flanges 11 and 15 provide means for securing spring supporting strips 22 to the frame members 4. Upon the strips 22 and frame members are mounted the usual springs 24 of the cushion 2 which may be constructed in any desired manner, openings being provided in both the strips 22 and the frame members 4 so that the springs 24 may be secured thereto in the usual manner. As shown the cushion 2 includes an inner canvas 25, an outer canvas 26, and a cover 28 which extend to and partly around the frame members 4 and are secured thereto by tacks 29 which pass through tacking openings 30 formed in the offset portions 17 of the sides 13 of the members 8 and engage in the tacking strips 18. Offsetting the portion 17 of the side 13 permits of the canvases 25 and 26 and the cover 28 extending beneath the sections 8 without projecting beyond the remaining portions of the sides 13, and offsetting the flanges 16 of the members 8 prevents the edge of the flange 16 chafing the inner canvas 24.

What is claimed is:

1. In a seat cushion, a hollow frame comprising complemental connected members each having extended flanges by which said members are connected together, one of said members forming a top portion and one side portion, the other member forming the other side portion and a bottom portion, a nailing strip in said frame, and a longitudinal bead formed in the top portion for retaining said nailing strip in position.

2. A hollow frame for a seat cushion comprising an upper angle member having its edges bent at right angles to adjacent portions to form an upwardly extending flange and an inwardly extending flange respectively, a lower angle member forming the frame bottom and outer side with one edge thereof arranged adjacent and secured to the before-mentioned upwardly extending flange and its lower edge arranged adjacent and secured to the before-mentioned inwardly extending flange.

3. A hollow frame for a seat cushion comprising an upper angle member defining the top and one side of the frame, said member having its edges bent at right angles to ad-

jacent portions to form an upwardly extending flange and an inwardly extending flange respectively, a lower angle member forming the frame bottom and outer side with one edge thereof arranged adjacent and secured to the before-mentioned upwardly extending flange and its lower edge arranged adjacent and secured to the before-mentioned inwardly extending flange.

4. A hollow frame for a seat cushion comprising an upper member having one edge offset to define an inwardly extending supporting flange, the opposite edge being upwardly flanged, and a lower horizontally extending straight member having one edge underlying the supporting flange and the opposite edge offset and terminating in an upwardly extending portion defining the outer side of the frame, said portion terminating in an offset upwardly extending flange arranged adjacent and secured to the upwardly extending flange of the upper member.

5. A hollow frame for a seat cushion comprising an upper member having one edge offset to define an inwardly extending supporting flange, the opposite edge being upwardly flanged, a lower horizontally extending straight member having one edge underlying the supporting flange and the opposite edge offset and terminating in an upwardly extending portion defining the outer side of the frame, said portion terminating in an offset upwardly extending flange arranged adjacent and secured to the upwardly extending flange of the upper member, and slats supported upon the inwardly extending flange of the upper member.

6. In a seat cushion, a hollow frame comprising oppositely disposed upper and lower frame members, the upper member forming a top portion and an inner side portion, the lower member forming the outer side portion and the bottom portion, the edges of said members being extended and straight and arranged in juxtaposed position to define outer upwardly extending and inwardly extending flanges respectively by which said members are connected together, slats seated on the upper sides of the inner flanges, a nailing strip in said frame and a bead formed in the upper member for retaining said nailing strip.

In witness whereof I have hereunto set my hand.

FREDERICK H. GIBBS.