Sept. 2, 1930. S. S. BERNSTEIN 1,774,696

WEBBED BOTTOM FOR SEATS

Filed April 28, 1928

Fig. 1.

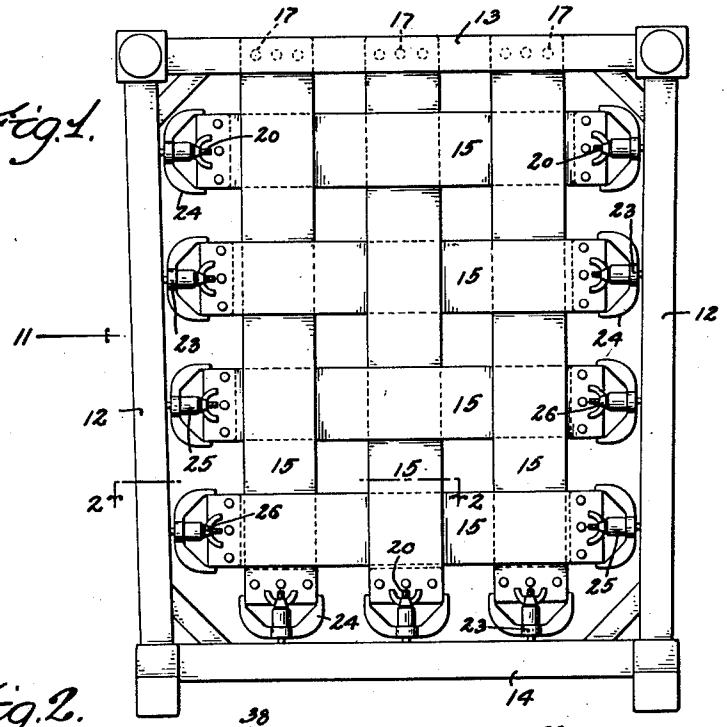


Fig. 2.

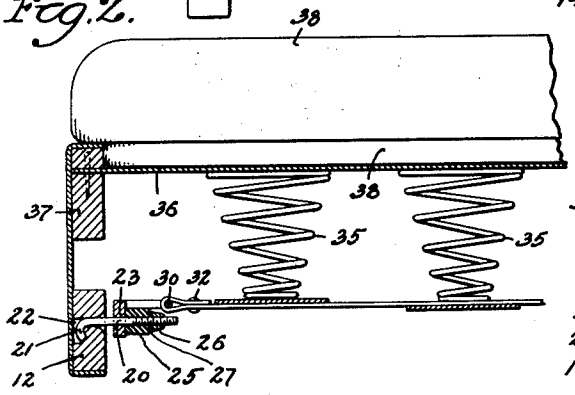


Fig. 4.

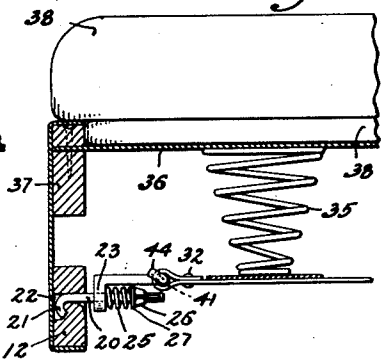


Fig. 6.

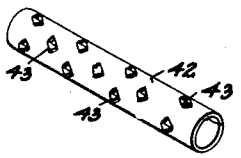


Fig. 3.

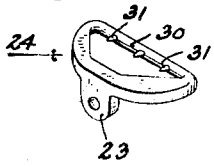
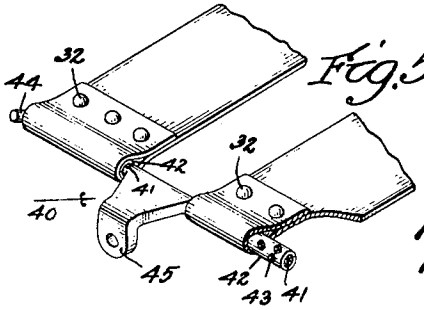


Fig. 5.



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Patented Sept. 2, 1930 1,774,696

UNITED STATES PATENT OFFICE

SAMUEL S. BERNSTEIN, OF BEVERLY HILLS, CALIFORNIA

WEBBED BOTTOM FOR SEATS

Application filed April 28, 1928. Serial No. 273,521.

My invention relates to the art of constructing furniture, being more particularly a webbed bottom or support for seats in chairs and other articles of furniture.

Ordinarily the bands or strips of webbing used for supporting the seats in chairs and the like are nailed or tacked to a wooden frame, and due to the varying tension on the webbing caused by the weight and movement of the person occupying the seat, the webbing stretches and becomes loose over a period of time and frequently tears at its point of attachment.

While attempts to remedy such objectionable features have been made, I have discovered that by providing a novel form of connecting means between the ends of the webbing and the frame, which includes a compression means and an adjustable member, the objectionable features referred to may be overcome and an entirely practical construction may be provided.

It is one of the principal objects of my invention to produce a webbed bottom of the class described, of simple form and construction, which will be firmly secured to the frame and have sufficient yielding qualities for the purposes described.

Referring to the drawings, which are for illustrative purposes only,

Fig. 1 is an inverted plan view of a webbed bottom, embodying a form of my invention.

Fig. 2 is an enlarged sectional view on line 2—2 of Fig. 1.

Fig. 3 is a perspective view of one of the stirrups forming a part of the fastening means.

Fig. 4 is a view similar to Fig. 2, showing a modified form of my invention.

Fig. 5 is an enlarged perspective view of a portion of the fastening means shown in Fig. 4, and

Fig. 6 is a perspective view of a spool or sleeve used in the form of my invention shown in Figs. 4 and 5.

More specifically describing my invention as illustrated in the drawings, 11 designates the usual wooden frame of a chair seat, consisting of side bars 12, front bar 13 and rear bar 14. Strips or bands of webbing 15 are interlaced, as shown in Fig. 1, the bands running from the front to the back, being secured at their front end to the bar 13 by means of tacks or nails, indicated in dotted lines at 17 in Fig. 1.

This connection by tacking is optional, as all of the ends of the bands may be connected to the frame by my improved fastening means, consisting of the following construction:

20 designates a bolt which extends through a bar of the frame 11, the bolt being headed preferably in the form of a hooked end 21 seated in a recess 22, formed in the supporting bar.

The bolt 20 extends freely through a lug 23 formed on stirrup 24, then extends through a compression member 25 which, in the form shown in Figs. 1 and 2, consists of an apertured cushion composed of rubber or other elastic material, whereas, in the form shown in Fig. 4, such compression member consists of a coiled compression spring. A nut 26 is threaded on the inner end of the bolt 20, a washer 27 being interposed between the nut and compression member. It is through the adjustment of this nut which is illustrated as comprising a thumb screw that the slack in the web members resulting from a stretching action, as mentioned above, may be removed, thus preventing a "sagging" of the seat.

The ends of the webbing are secured to the stirrups by looping such ends around the bar 30 of the stirrup, which bar is provided with spurs 31 to engage in the webbing, the looped end of the webbing being secured by means of rivets 32, or secured in any other suitable manner.

In the form shown, the bands of webbing are secured to the two sides and front of the frame, as just described, the webbing being placed under proper tension by adjustment of the nuts 26 on the bolts 20, and the hooked ends of the bolt permitting a slight rocking movement in the frame.

Ordinarily cushion supporting springs 35 are arranged on the webbing, and are covered by a strip of fabric 36, mounted in an upper

frame 37, which fabric supports the seat cushions 38.

In the form of my invention shown in Figs. 4 to 6, inclusive, the connecting member 40 is in the general form of a T-member, having two bars 41, each of which support a band of the webbing, so that a single connecting member supports the ends of two bands of webbing.

Each of the bars 41 receives a sleeve 42, having prongs 43 formed thereon, the ends of the bars being bent as indicated at 44 to hold the sleeves or cylinders 42 in place.

The member 40 is also provided with a lug 45, which receives a bar 20, such bar having a compression member 25, washer and adjusting nut 26, and the bar being mounted in the frame as heretofore described.

In the form of connecting member just described, the looped ends of the bands of webbing are placed around the sleeves or cylinders 42, as shown in Fig. 5, and secured as heretofore described.

It will be appreciated from the foregoing description that this invention comprises a furniture seat construction which has the advantageous combination of features of adjustability, flexibility and resiliency, and while I have limited the description to preferred embodiments of the invention, it will be understood that the invention is not limited to the precise construction set forth, but includes within its scope any changes which fairly come within the spirit of the appended claims.

I claim as my invention:

1. A webbed bottom for seats comprising: a frame; a plurality of strips of webbing; and means for connecting ends of said strips to the frame, consisting of a bolt in the frame, a stirrup having integrally formed therein an apertured lug slidably mounted on the bolt, means for connecting the end of a strip of webbing to the stirrup, and compression means on said bolt engageable by said lug.

2. A webbed bottom for seats comprising: a frame; a plurality of strips of webbing; and adjustable means for connecting the ends of said strips to said frame, said adjustable means comprising a bolt mounted in said frame, a stirrup on said bolt, an apertured cushion mounted on said bolt for yieldingly limiting the movement of said stirrup on said bolt, and threaded means on said bolt engageable with said cushion for imparting lateral movement thereto.

3. In a webbed bottom for seats having a frame; means for connecting the webbing to the frame comprising a bolt mounted in said frame and extending therefrom; a stirrup adapted to receive an end of the webbing; a depending lug on said stirrup having an aperture therethrough for slidably receiving said bolt; and means for resiliently mounting said lug on said bolt.

4. In a webbed bottom for seats having a frame; means for connecting the webbing to the frame comprising a bolt mounted in said frame and extending therefrom; a stirrup adapted to receive an end of the webbing; spurs on said stirrup arranged to contact said webbing; a depending lug on said stirrup having an aperture therethrough for slidably receiving said bolt; and means for resiliently mounting said lug on said bolt.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 11th day of April, 1928.

SAMUEL S. BERNSTEIN.