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J. W. TREW

UPHOLSTERING WELT

Filed July 14, 1927

Fig. 1

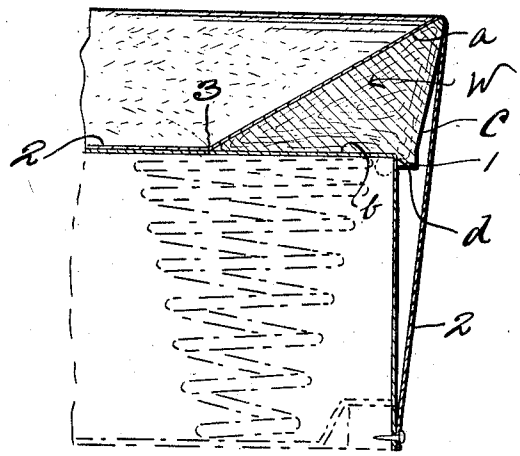



Fig. 2

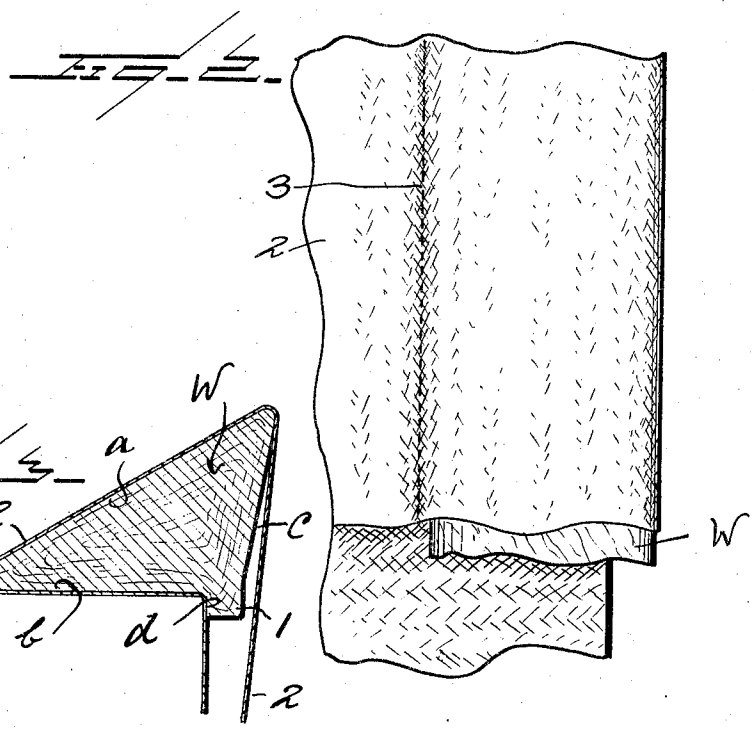



Fig. 3




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# UNITED STATES PATENT OFFICE.

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## UPHOLSTERING WELT.

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This invention relates to an upholstering welt and it is an object of the invention to provide a device of this kind adapted to be placed upon a furniture bottom to provide a retaining means for a cushion or the like.

It is also an object of the invention to provide a welt of this kind provided with means to facilitate its proper placement in applied or working position and which is of such configuration in cross section to readily yield under pressure or weight and thereby eliminating the welt offering discomfort to a person occupying the furniture.

An additional object of the invention is to provide a welt of this kind formed of paper whereby the welt possesses a certain degree of inherent resiliency or flexibility, permitting the same to yield at different points therealong under the influence of weight or pressure.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved upholstering welt whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a fragmentary view partly in section and partly in elevation illustrating a welt constructed in accordance with an embodiment of my invention;

Figure 2 is a fragmentary view in top plan of the structure as illustrated in Figure 1;

Figure 3 is a transverse sectional view taken through the structure as illustrated in Figure 2.

My improved welt W is preferably produced by exerting requisite pressure upon an elongated strip of twisted paper or what may be termed paper rope, such pressure producing a welt substantially triangular in cross section having its top face *a* disposed upwardly and outwardly on a predetermined angle with respect to the horizontal or bottom face *b* and with its outer or vertical face *c* disposed upwardly and outwardly on a slight angle preferably fifteen degrees with respect to the vertical.

The welt W has the outer marginal portion of its bottom or horizontal face *b* provided therealong with a flange or bead 1 projecting beyond said face, the inner face or wall *d* of said flange or bead 1 constituting a stop adapted to have direct contact with a spring frame or other member whereby is assured the requisite positioning of the welt W in applied or working position with respect to a furniture bottom or the like.

By having the welt W formed of twisted paper under pressure the welt comprises a body consisting of a plurality of overlying and interlocking laminations whereby the welt as a result of the pressure imposed thereon is of a normally fixed formation in cross section yet will readily flex or bend under pressure or weight, thus assuring the elimination of discomfort to a person occupying a chair or other furniture with which the welt is employed.

After the welt W has been applied to the spring frame or other member a cloth sheet or lamination 2 is disposed over the spring frame or member and over the applied welt and extended downwardly and suitably secured to the spring frame or member at a point below the applied welt W.

This sheet or lamination 2 is also stitched, as at 3, or otherwise attached to the spring frame or kindred member at a point closely adjacent to the applied welt W, whereby further means are provided for effectively maintaining the welt in applied or working position. By having the outer face *c* of the welt formed as hereinbefore referred to the requisite yielding or flexing of the welt is assured under pressure or weight and, furthermore, this arrangement of the wall or face *c* when the welt is flexed will result in the side portion of the sheet or lamination 2 bending outwardly and thereby materially prolonging the life thereof.

By positioning welts W constructed in accordance with an embodiment of my invention along the marginal portions of a furniture bottom or the like compartments or wells are provided in which a cushion is adapted to be snugly engaged and effectively maintained against displacement.

In view of the foregoing it is to be noted that I have produced an upholstering welt fabricated entirely of twisted paper and

which is pressed into a predetermined shape, said welt so produced being of a character that will endure and hold its form and which is flexible, such a welt can also be produced with economy and with the particular advantage of being quickly applied into working position as it is only necessary for the workman to place the welt along the marginal portion of a spring frame or other member.

From the foregoing description it is thought to be obvious that an upholstering welt constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

1. In combination with a member provided with a side face, a welt mounted upon said member and having a marginal bead providing a shoulder for contact with the side face of said member, and a lamination secured to said member and disposed over the applied welt, means for connecting the lamination to the member adjacent to the inner marginal portion of the applied welt and to the side face of the member at a point away from the welt.

2. In combination with a member provided with a side face, a welt mounted upon said member and having a marginal bead providing a shoulder for contact with the side face of said member, and a lamination secured to said member and disposed over the applied welt, means for connecting the lamination to the member adjacent to the inner marginal portion of the applied welt and to the side face of the member at a point away from the welt, the outer face of the applied welt being outwardly inclined.

3. As a new article of manufacture, a welt for upholstering having a substantially flat base face, and a positioning means arranged along a marginal portion thereof, said welt being fabricated entirely of twisted paper pressed into a predetermined shape.

In testimony whereof I hereunto affix my signature.

JAMES W. TREW.