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A. L. HOWARD ET AL

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FINISHING WELT

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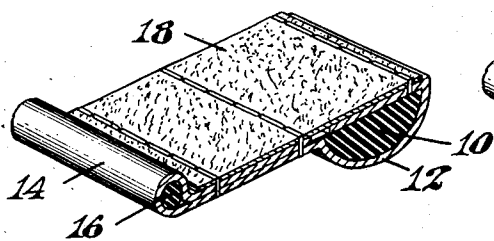


Fig. 1.

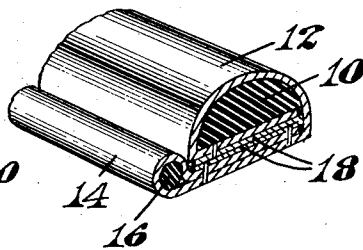


Fig. 2.

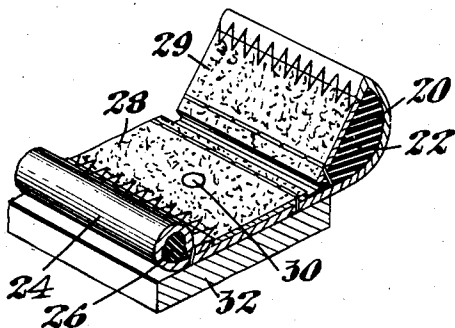


Fig. 3.

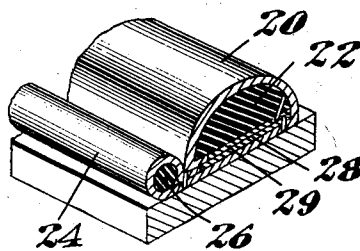


Fig. 4.

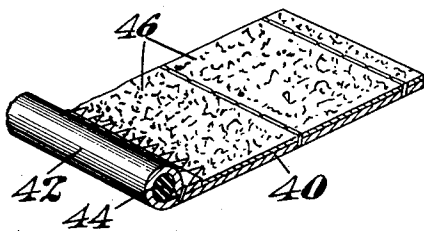


Fig. 5.

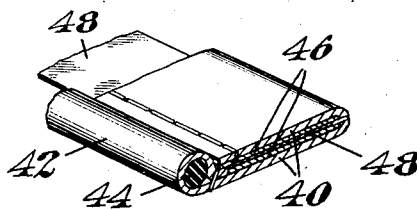


Fig. 6.

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## UNITED STATES PATENT OFFICE

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## FINISHING WELT

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This invention relates to finishing welts of the type in which the heads of the attaching nails or other fasteners are concealed in the attached welt by a cover strip or bead. 5 Finishing welts of this kind are widely used for finishing the upholstery of automobiles and the like.

In many types of finishing welts as heretofore constructed, it has been the practice to provide a locking bead or flange for retaining the cover strip in its superposed fastener-concealing position, and in other welts to rely upon a resilient connection between the body of the welt and the cover portion to hold the latter in position. As distinguished from these constructions, the present invention contemplates a welt in which the adhesive properties of suitably prepared or treated contiguous surfaces are relied upon primarily to maintain the cover strip in the desired position. The adhesive surface may be supplied as a part of the fabric of the welt or it may be incorporated therein as a frictioned tape stitched or otherwise secured in such a manner as to present superposed effective faces in the attached and closed welting. For example, rubberized frictioned tape may to good advantage be incorporated in the welting in such a manner that when the cover strip is positioned, two rubberized surfaces are brought together and caused to adhere. 30

Finishing welt of this character may be supplied with a paper separator strip incorporated therein to prevent adhesion of the cover strip prior to the attaching operation. In other cases, the rubberized or frictioned surfaces of the welting may be substantially dried before shipment and may have their adhesive properties revived by being moistened with a solvent after the attaching operation and before the cover strip is folded into fastener-concealing position. 40

The adhesive action of the contiguous frictioned surfaces has been found adequate to maintain the cover strip securely in closed position but it will be understood that it is within the scope of our invention to embody this construction in other welts which have heretofore depended upon other means for maintaining the desired closure. 50

These and other features of the invention will be best understood and appreciated from the following description of a preferred embodiment thereof, selected for purposes of illustration and shown in the accompanying drawing, in which 55

Fig. 1 is a view in perspective of a section of welting having a continuous strip of frictioned material extending across the face of both portions, the welting being shown in unattached and open position; 60

Fig. 2 is a similar view of the same welting in attached position;

Fig. 3 is a similar view showing a welting having frictioned tape embodied therein; 65

Fig. 4 is a similar view of the same welting in attached position;

Fig. 5 is a perspective view of another type of welting with a continuous strip of frictioned material; and 70

Fig. 6 is a similar view of the same welting shown as provided with a separator strip.

The welt strip shown in Figs. 1 and 2 is of the type which includes a marginal bead 14 of circular cross section and a cover strip 75 having a semi-circular bead 12. The welting is formed by wrapping a fabric strip or sheet at one edge about a core 10 which is semi-circular in cross section and at the other about a core 16 which is circular in cross section and of smaller dimensions than the core 10. The cover strip is folded or doubled adjacent to the marginal bead 14 to form a body portion of double thickness through which attaching nails may be driven. It is also preferably folded across the flat side of the core 10. A sheet or strip 18 of frictioned or rubberized material is secured in place by three parallel lines of stitching, one of these extending through the margin of the cover strip which is inturned across the flat face of the bead 10, the second extending through the folded or doubled portion of the cover strip adjacent to the inner edge of the bead 12, as shown in Fig. 1, and the third extending through the same thicknesses adjacent to the marginal bead 14. The first-mentioned line of stitching, as will be apparent, is formed preferably before the cover strip is folded across the face of the core 10 and, 100

consequently, the other stitch lines not only hold the frictioned strip in place but also permanently retain the organization of the welting in position.

The upper surface of the frictioned strip 18 is of a tacky character and when this is doubled or folded upon itself the two surfaces firmly adhere. As shown in Fig. 2, the welting is closed and the cover portion brought into fastener-concealing position by folding it, and in this operation the frictioned strip is doubled upon itself so that the cover portion is held in position by the adhesive action of the contiguous faces.

The welting shown in Figs. 3 and 4 is similar to that above described except that the adhesive surfaces are secured by incorporating directly two pieces of frictioned tape in the cover material of the welting. A frictioned strip 28 is secured by stitching to the margin of the cover strip which is wrapped around the core 26 to form the marginal bead 24 and then doubled upon the cover strip to form the body thereof. A second frictioned strip 29 is stitched to the margin of the cover strip which is wrapped about the larger core 22 in forming the cover bead 20. The margin of the strip 29 is stitched to the edge of the core 22 and the margin of the frictioned strip 28 is stitched to the material upon which it is folded. As shown in Fig. 2, the welting is attached by tacks 30, one of which is shown, to a molding or other body 32. As in the welting above described, the stitch lines which secure the frictioned tape in place are also relied upon to preserve the organization of the entire welting.

After attaching the welting as indicated in Fig. 3, the latter may be folded and closed, as shown in Fig. 4, and in this operation the two frictioned tapes 28 and 29 are brought into contact and caused to adhere.

Welting of still another type is shown in Fig. 5, the bead in the cover portion being omitted in this case. The cover strip 40 is wrapped around the circular core 44 to form a marginal bead 42 and has stitched to its edge a frictioned sheet 46 which is superposed upon the portion 40 and stitched thereto by an intermediate and a marginal stitch line. The portion of the welting between the intermediate stitch line and the marginal bead 42 constitutes the body of the welting and may receive the attaching nails. Enclosing the welting, the portion beyond the intermediate stitch line is folded over the attached portion bringing the folded margin again adjacent to the inner side of the marginal bead 42 and doubling the frictioned surfaces upon each other so as to hold the cover portion in place by adhesion.

If desired, this welting or any other welting embodying our invention may be shipped in the condition shown in Fig. 6, that is to say, in folded or closed condition, and may

be provided with a separator strip 48 of oiled paper or the like which serves to prevent adhesion of the frictioned surfaces. In attaching such a welt, the separator strip is removed before the attaching nails are driven so that when the cover strip is folded the frictioned surfaces come into direct contact and maintain the cover portion in superposed position.

It will be apparent that many other types of finishing welting than those herein illustrated may be provided with frictioned surfaces which, in the closed position of the welting, make direct contact with each other and serve the purpose above explained of holding the cover portion in its fastener-concealing position. Welting of any type characterized in this manner is within the scope of our invention.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A finishing welt comprising a one piece strip of sheet material having one marginal edge portion wrapped about a cover bead and the other edge portion doubled over so that the two edge portions lie in substantially the same plane when the welt is fully opened, and a single strip of previously manufactured adhesive sheet material secured to said edge portions in position to reinforce them in the welt structure and to be doubled into adhering face to face contact and seal the cover bead when the welt is closed.

2. A finishing welt comprising a strip of sheet material pieced out at either edge by strips of previously manufactured adhesive sheet material and wrapped at either edge to form a marginal bead, a doubled intermediate body strip, and a cover portion arranged to be folded upon the body strip, the adhesive sheet material thus forming a part of the welt structure and being located upon opposed faces of the body strip and cover portion respectively, thereby forming a face to face sealing contact in the closed welt.

3. A finishing welt comprising a body strip having an intermediate portion embodied in a base strip adapted to rest on a fabric and be secured in place thereon by headed securing fasteners, means including an edge portion of the body strip forming a cover member connected to one side of the base strip and adapted to fold inwardly and overlies the outer face of the base strip with its bottom face closely adjacent to the top face of the base strip, and a previously prepared strip of adhesive sheet material secured to the body strip in position to add to the plies thereof and also to form a clinging face to face contact between the cover member and base strip when the member is closed thereonto.

4. A finishing welt comprising a body strip having an intermediate portion em-

5 bodied in a base strip adapted to rest on a  
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a cover member connected to one side of the  
base strip and adapted to fold inwardly and  
overlie the outer face of the base strip with  
its bottom face closely adjacent to the top  
face of the base strip, and a previously pre-  
pared strip of adhesive fabric secured to the  
body strip in position to add to the plies  
thereof and thus reinforce the same and  
form a clinging face to face contact between  
the cover member and base strip when the  
member is closed thereonto.

15 5. A finishing welt comprising a body  
strip having an intermediate portion em-  
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overlie the outer face of the base strip with  
its bottom face closely adjacent to the top  
face of the base strip, and a strip of previous-  
ly prepared adhesive sheet material secured  
in place to the body strip and overlying said  
faces in a manner thickening and reinforcing  
the welt structure and being adapted to  
be doubled upon itself and seal the cover  
member onto the base strip when the cover  
member is closed thereonto.

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