July 15, 1952 W. EATON 2,602,932

BELT BASE

Filed July 29, 1948

Fig. 1.

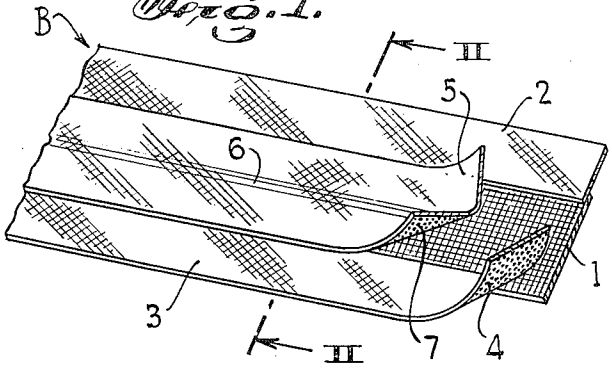


Fig. 2.

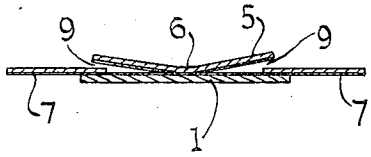


Fig. 6.

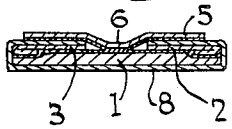


Fig. 3.

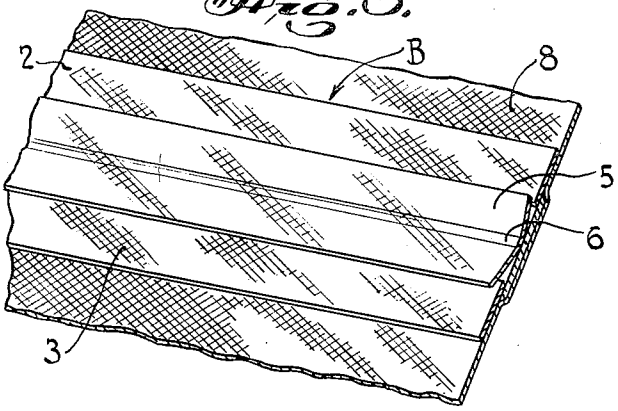


Fig. 7.

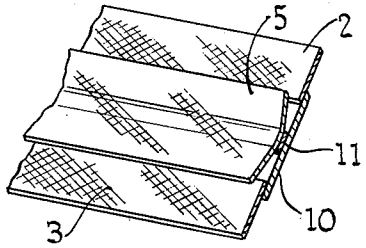


Fig. 4.

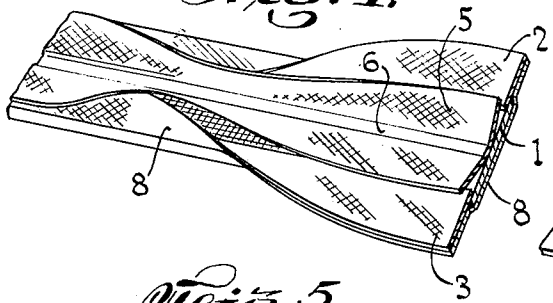


Fig. 8.

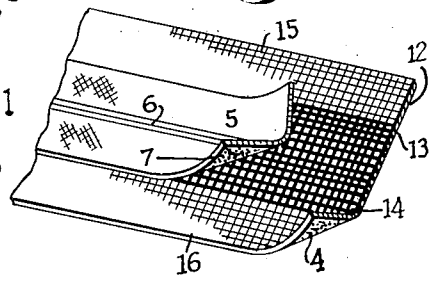
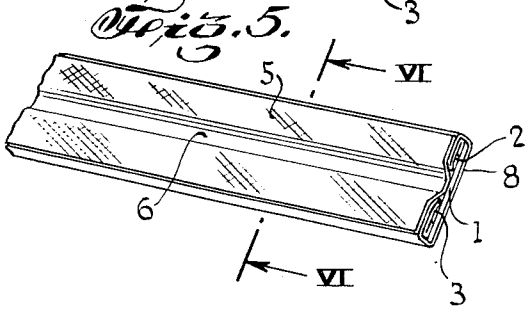


Fig. 5.



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BELT BASE

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3 Claims. (Cl. 2—338)

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This invention relates to wearing apparel, particularly belts, and especially to a base for a belt.

A principal object of the invention is the provision of a base for a belt which will be of such construction that a person of slight manipulative skill may, using a selected covering material, easily form a suitable belt for wear with a particular garment and do this without the use of complicated tools or those requiring training to use.

Other objects and advantages will appear as the description of the particular physical embodiment selected to illustrate the invention progresses and the novel features will be particularly pointed out in the appended claims.

In describing the invention in detail and the particular physical embodiment selected to illustrate the invention, reference will be had to the accompanying drawings and the several views thereon, in which like characters of reference designate like parts throughout the several views, and in which:

Fig. 1 is a perspective view of a fragment of belt base made in accordance with my invention; Fig. 2 is a cross sectional view of the device of Fig. 1 on the plane indicated by the line II—II viewed in the direction of the arrows at the ends of the line; Fig. 3 is a perspective view of the device of Fig. 1 placed in position on a fragment of material with which it is desired to cover the base to make a belt; Fig. 4 is a perspective view illustrating a step in the process of making the covered belt; Fig. 5 shows in perspective a fragment of a finished belt; Fig. 6 is a cross sectional view of a fragment of completed belt illustrated by Fig. 5 on the plane indicated by the line VI—VI viewed in the direction of the arrows at the ends of the line; Fig. 7 is a view corresponding to Fig. 1 of a modified form of base; and Fig. 8 is a view of a fragment of a further modified form of base.

It is quite generally known by those who desire to have a belt covered with material matching or harmonizing with the garment with which it is worn that such belts must be custom made and are therefore expensive. It is further known that the ordinary unskilled woman is quite unable to satisfactorily form a belt with the materials and devices usually to be purchased.

My present invention is designed to assist and enable the unskilled woman to make a belt covered with a desired material with the very least trouble without the use of tools requiring skill and in a minimum of time at very little expense.

To enable the unskilled woman to make a belt covered with the desired material, I provide what I call a base. A fragment of this base is shown as

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a whole in Fig. 1 and designated as a whole by B. This base, in the particular and preferred form illustrated, includes a strip or ribbon of major width 1. This strip 1 is preferably a woven material of such a nature that it has very little stretch longitudinally and is preferred of a somewhat greater thickness than the other layers associated therewith to be hereinafter described and acts as a stiffening strip. The upper surface of this layer, as viewed in Fig. 1, may well have a coating of heat sensitive adhesive applied thereto although this is not absolutely necessary.

On each of the edges of the strip 1 there are strips 2 and 3 of minor width. These strips are coated on the under side with a heat sensitive adhesive 4 and are attached to strip 1 by laying them thereon and passing a hot body pressed against the material longitudinally along the strips. The strips 2 and 3 are made of a quite flexible material as it is necessary to fold each of the strips upon itself.

On top of the strip 1, I place a strip 5 of textile material and attach strip 5 to strip 1 along a narrow zone along the longitudinal median or center line of strip 1 and strip 5. I do this by passing a hot body pressed against the strips and bearing solely on the narrow zone 6 and thereby attach strip 5 to strip 1 by reason of the heat sensitive adhesive 7 on the under side of strip 5 and also by reason of the heat sensitive adhesive upon the upper surface of strip 1 if such is applied thereto. I consider the strip 5 as of medium width as it is, preferably, slightly narrower than strip 1.

When a woman receives the base B and desires to form a belt therewith, the base B is laid down on a strip 8 of selected covering material of a length corresponding to the length of the finished belt or slightly longer. When the base B has been placed upon the covering material 8 and suitably adjusted thereon, a hot body, such as an ordinary iron, is passed along each strip 2 and 3 bearing against the entire surface of each of strips 2 and 3, each being manipulated separately and independently. In passing the iron along either strip 2 or strip 3, care must be taken to lift up the free edges of strip 5 so that it is not under the iron or in contact therewith. The above described procedure attaches base B to the material 8 by reason of the heat sensitive material 4 on the under sides of strips 2 and 3. When the base B has been secured to the covering material 8, the material is trimmed along the outside edges of strips 2 and 3.

The next step is to turn the material attached

to strips 2 and 3 together with strips 2 and 3 upwardly and inwardly into the somewhat V-shaped notches, existing at 9, best shown in Fig. 2, between strip 5 and the other strips. This turning-in process is shown at the left hand end of Fig. 4, as completed and to the right as progressing toward the right of Fig. 4. When completely turned in, the base and the covered material will appear as shown in Fig. 5 and perhaps more clearly in Fig. 6 wherein it will be seen that the covering material 8 has been folded into the V-shaped notches 9 together with the strip 2 and the strip 3. With all parts in the position as shown in Fig. 6, a hot body, such as an ordinary iron, is pressingly passed over the top of strip 5 thereby causing the heat sensitive adhesive on the under side of strip 5 to adhere to the dress material 8 and to hold all parts firmly and permanently in the position as shown in Fig. 6.

It will be noted that in the final product, as shown by Fig. 6, that strip 5 is not quite wide enough to extend to the edges of the final product so that it will not show when the belt is worn. This is the reason for preferring strip 5 to be slightly narrower than strip 1.

If a heat sensitive material coating is placed on the upper face of strip 1 then when the iron is passed along the upper surface of strip 5, the lower surface of strips 2 and 3, as viewed in Fig. 6, will be caused to adhere to strip 1 and so make the final product just so much more secure.

From the above given description it will now be understood that I have provided a base for a belt which contains within itself means for attaching it to any desired covering material, provides a guide for suitably cutting the covering material to the proper size, requires very slight manipulative skill to turn in the edges, provides a gauge, so as to speak, to limit the degree of in-turning as the maximum amount of in-turning is determined by the contact of strips 2 and 3 with the base of the V-shaped notches 9, and all parts are firmly and permanently caused to adhere together by the use of a simple hot iron.

Although the form as shown in Fig. 1 is my preferred form, it is also possible to secure results quite the equal of those to be secured by use of the form as shown in Fig. 1 by using the modified form as shown in Fig. 7. In this form the strip of major width 10 corresponding to strip 1 of Fig. 1 has a narrow strip 11 attached thereto as by a heat sensitive adhesive and then the strip 5 is attached to strip 11 by a heat sensitive adhesive along the longitudinal line and in a zone corresponding to the width of the very narrow strip 11.

In Fig. 8 I have shown a further modified form of strip 1. This modified strip 12 takes the place of strips 1, 2 and 3 of Fig. 1. This strip 12 is woven in accordance with well understood methods so that the weave between line 13 and line 14, through the strip, is relatively heavy and coarse and non-stretchable and not as flexible as the side portions 15 and 16 integrally woven therewith. Side portions 15 and 16 correspond in general characteristics with the strips as 2 and 3, are coated like 2 and 3, and are naturally foldable along the lines 13 and 14 so that a base formed using the modified structure of Fig. 8 would consist of two strips only, the strip 12 and a strip corresponding to 5 of Fig. 1 along its longitudinal center line attached in a narrow zone as by a heat sensitive adhesive just as the device of Fig. 1 is formed.

Heat sensitive adhesives are very old and well known and may be purchased on the market. A very suitable one would be a vinyl resin dissolved in a suitable solvent such as acetone, ethyl acetate or butyl acetate and made thin enough to readily spread.

Although I have particularly described one particular physical embodiment of invention and explained the construction thereof, nevertheless, I desire to have it understood that the form selected is merely illustrative, but does not exhaust the possible physical embodiments of the idea of means underlying my invention.

What I claim as new and desire to secure by Letters Patent is:

1. A belt base comprising four strips of material, one strip of major width, two strips of minor width, one of the minor width strips attached to one of the lateral edges of the major width strip, the other minor width strip attached to the other lateral edge of the major width strip, and each minor width strip provided with a coating of heat fusible adhesive, a fourth strip of medium width attached along its longitudinal median line to the longitudinal median line of the major width strip and said fourth strip provided on the surface facing in the same direction as the coated faces of the minor width strips with a coating of heat fusible adhesive.

2. A belt base comprising material forming a base strip, said strip provided with adhesive adjacent the marginal edges thereof, said strip including a longitudinally extending central stiffening portion of a less width than the total width of the base strip, a further material strip attached only along a narrow zone along its median longitudinal line to only a narrow zone along the median longitudinal line of the said stiffening portion leaving free surfaces, one on each side of the attaching zone, said free surfaces provided with heat fusible adhesive and being juxtaposed to the said base strip.

3. A belt base consisting of two material strips, the first of said strips being of a one-piece construction and having a stiff longitudinally extending central portion and non-stretchable marginal portions of a material more flexible than the central portion, said marginal portions coated with a heat sensitive adhesive, the second of the said two strips being narrower than the first said strip and coated on its under surface with a heat sensitive adhesive, the said second strip attached to the first mentioned strip along a narrow zone disposed only along the median line of both said strips by the heat sensitive adhesive of the respective strips.

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