

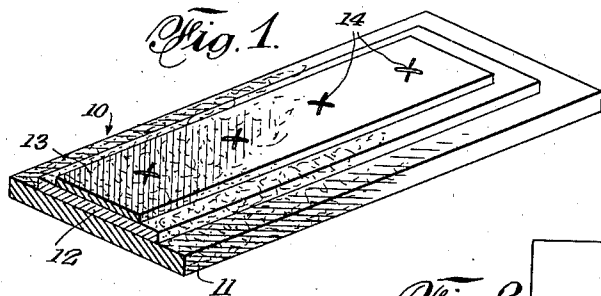
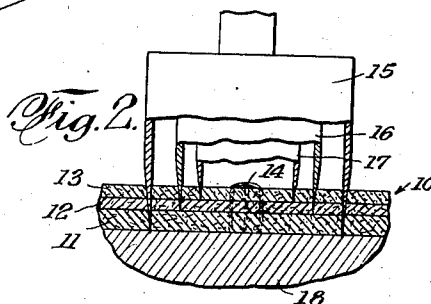
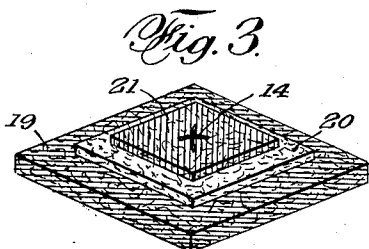
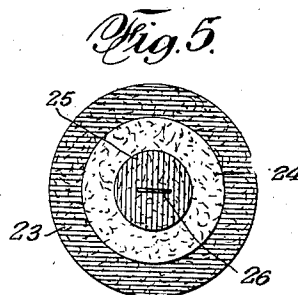
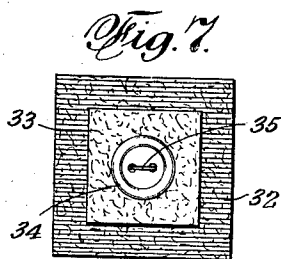
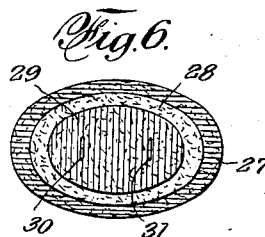
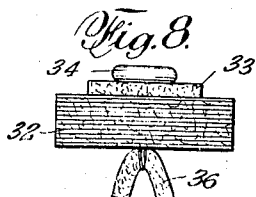
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L. M. ROUSE

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BUTTON, TRIMMING OR THE LIKE

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INVENTOR
LILLIAN M. ROUSE

BY *Leon M. Strauss*

UNITED STATES PATENT OFFICE

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BUTTON, TRIMMING, OR THE LIKE

Lillian M. Rouse, New York, N. Y.

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3 Claims. (Cl. 24—90)

This invention relates generally to articles of manufacture for use in connection with wearing apparel, and more particularly to buttons.

It is an object of the present invention to provide a button or like article which is made of felt or felt-like material, which button is compact, but also flexible enough for the purpose intended.

It is another object of the present invention to provide an article of the aforesaid type which is composed of different layers of materials of preferably contrasting colors.

Still another object of the present invention is to provide an article of the aforesaid type which has any desired shape or configuration, and design, and which can be easily and inexpensively manufactured.

A further object of the present invention is to provide a process for manufacturing articles of the aforesaid nature, which process is very economical and efficient, and can be performed with ordinary set of dies or stamps.

Still a further object of the present invention is to provide a process for manufacturing buttons and the like which may be stamped out of a layer or layers of materials in succession.

Yet, another object of the present invention is to provide a process for manufacturing relatively flexible buttons or the like provided with a preferably compact base of one or more layers of the material of which the upper layer or layers may also be composed.

A still further object of the present invention is to provide a button or like article for use on dresses, cloaks, suits or other wearing apparel, which button may be made of differently colored and shaped layer materials of various thicknesses, the layers being preferably held in position by stitches passing therethrough or by an adhesive substance.

Still another object of the present invention is to provide a novel button made of compact flexible fibrous layer material to which any desired and appropriate adornment may be added which may be preferably placed on top of said layer material.

The features of novelty which are believed to be characteristic of the invention are set forth hereinabove and are more particularly described both as to its principles and as to its particular embodiments and which are best understood by reference to the specification which describes, by way of example only, and not in limitation, certain ways in which the invention may be practiced.

In the drawing:

Fig. 1 is a perspective sectional view of a strip composed of layers employable in the new method according to the invention.

Fig. 2 is a sectional view, partly in elevation, showing the dieing step of said method.

Fig. 3 is a perspective view of an article, such as a button, formed by the step shown in Fig. 2.

Fig. 4 is a side elevational view of the article of Fig. 3.

Figs. 5 and 6 are each plan views of other forms of buttons made in accordance with the invention.

Fig. 7 is a plan view of a button in a still modified form.

Fig. 8 is a side view of the button shown in Fig. 7.

Referring now particularly to the drawing, there is shown in Fig. 1 a strip of material 10 preferably made of relatively thick and compact felt or similar fibrous material, the strip in this instance being composed of three layers, namely base layer 11, intermediate layer 12, and top layer 13. All these layers may be made of the same material, but preferably of contrasting colors and of different thicknesses. Layers 11 to 13, being of different width and length, may also be made coextensive with each other and may be provided with differently shaped edges. The layers may be held in superposed position by stitches 14 passing through the materials of the layers. In some instances, it might be useful to glue or otherwise fix layer 12 to the base layer 11, to thus reinforce said base layer 11 and to make it less flexible. Any suitable and well-known adhesive substances may be used for this purpose.

In order to produce an article of manufacture, such as a button, as illustrated in Fig. 3 in its finished form, strip 10 may be moved continuously through a punching press of known structure having die or cutter parts 15, 16 and 17 which pass or pierce in succession and progressively through the layer material to cut it to the shape shown in Figs. 3 and 4. Die part 15 may be projected for contact with bearing or support 18 which is preferably made of hard wood. Support 18 holds strip 10 in position, whereas the die or stamp parts 16 and 17 are guided in such way that they penetrate only the layers 12 and 13. The parts 15, 16 and 17 may be driven by any known means (not shown), as it is conventional in punching presses.

It can thus be easily realized that a button like that shown in Figs. 3 and 4 may be inexpensively manufactured, which has the base layer 19 and the upper layers 20 and 21, both being

flexible relatively to said base layer. Layer 21 may, however, be centrally held in position and may otherwise loosely overlie base layer 19 and intermediate layer 20, the latter being fixed by adhesive to said base layer 19 to reinforce the same.

The stitches 14 holding said layers together may also be employed to attach to the underface of base layer 19 a fabric piece or tab 22, by means of which the button may be fixed to a dress or other wearing apparel.

Figs. 5 and 6 show modified forms of buttons in circular and oval shapes, respectively. As it is apparent from Fig. 5, base layer 23 and upper layers 24 and 25 are held in superposed position by a staple or clamp 26. However, other known fixing means may be used for this purpose. Layers 27, 28 and 29 of the button, as shown in Fig. 6 are provided with stitches 30 and 31 which hold said layers in superposed position. In the modification shown in Figs. 7 and 8 base layer 32 of relatively strong and compact material supports a relatively thin and flexible layer 33 of the same material but preferably of different color, and also a decorative button 34 (or any adornments, such as artificial flower or the like), the latter being placed on top of said layers. Stitches 35 pass through the holes of button 34 to hold the layers together, the stitches simultaneously attaching to the bottom of base layer 32 a flexible tab 36 which may be employed to fix the laminated button to a suitable support.

As it is well apparent from the above, the material used for the button can be a laminated relatively strong fabric, leather or fibrous material which is compact, durable, but flexible enough to be used for the purpose intended. It is further obvious that such construction may also be used for other, preferably decorative articles, such as brooches or the like.

In cases where relatively small buttons are available to be used on a dress as trimming or appendage and it is thought useful to employ the same type and size of buttons for closing or buttoning the dress, said small buttons may for this purpose be placed on or joined to the novel button structure as exemplified in Figs. 7 and 8, thus providing support or supplement for said small buttons.

It is to be noted that during the punching method referred to herein above, shims or abutting plates (not shown) may be temporarily inserted between layers 11 and 12 and between layers 12 and 13 to bring about clean stamping or cutting results.

It is evident from the above that there has been provided according to the invention a process of manufacturing buttons, trimmings or the like

which consists in arranging strips of compact fibrous materials in superposed position, stitching said superposed strips together at predetermined points having equal distance from one another, and subjecting the thus stitched strips to continuous punching operation, whereby each stitching point becomes the center of a laminated button resulting from said punching operation. It is further evident that thus a new article of manufacture has been provided resulting from the aforementioned process.

Although the above improvements relating to buttons, trimmings or the like have been described with considerable detail and with respect to certain particular forms of the invention, it is not desired to be limited to such details since changes and modifications in the form, arrangements, proportions and sizes thereof may well be made without departing from the spirit and scope of the invention in its broadest aspect.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent, is:

1. As a new article of manufacture, a button, trimming or the like comprising a laminated body of felt material, the laminae being arranged in step-like formation, fastening means passing centrally through said body to maintain said laminae in joined condition, the lower portion of said body being less flexible than the upper portion thereof, and tab means connected to said fastening means at the undersurface of said body and adapted to be attached to a support for holding the body.

2. As a new article of manufacture, a button, trimming or the like comprising a laminated body of felt material, the laminae being arranged in step-like formation, fastening means passing centrally through said body to maintain said laminae in joined condition at the location of said fastening means, tab means connected to said fastening means at the undersurface of said body and adapted to be attached to a support for spacedly holding the body on the latter, and means on top of said body forming an adornment therefor.

3. As a new article of manufacture, a button comprising a plurality of layers of fibrous material, base layer and upper layers, respectively, an upper layer adjacent the base layer being adhesively secured to the latter to reinforce said base layer, the remainder of said upper layers being loosely and centrally secured to said reinforced base layer, and means projecting from the under-face of said base layer for spacedly attaching said button to a support.

LILLIAN M. ROUSE.