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W. KÜHN

2,130,552

BAND

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Fig. 1.

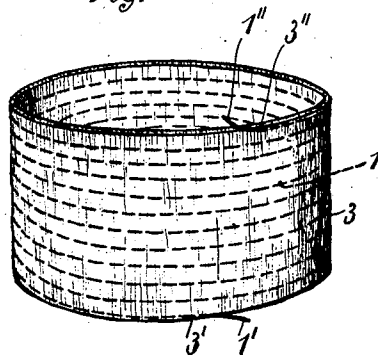


Fig. 2.

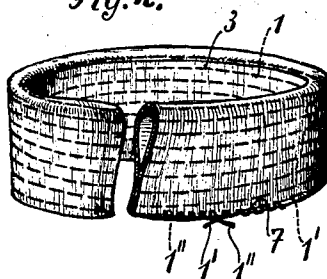


Fig. 3.

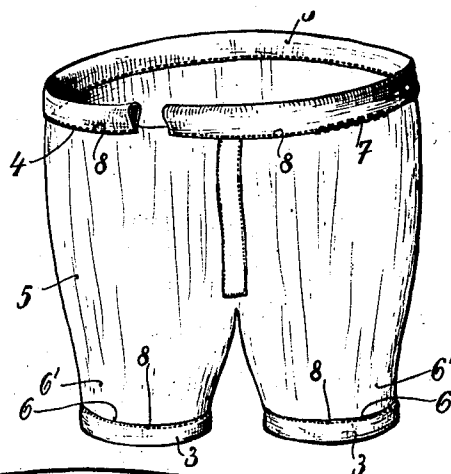
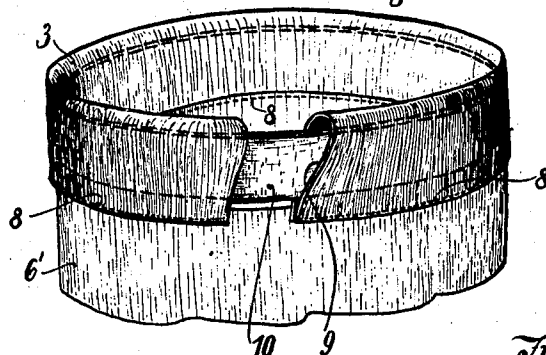


Fig. 4.



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BAND

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2 Claims. (Cl. 2—243)

This invention relates to a band formed of tubular looped fabric and provided with inserted rubber threads for elastically holding a piece of wearing apparel, such as drawers, stockings, undershirts, etc., in place on the body after having been united with the edge thereof by a seam.

Compared with known bands of this kind, the band according to the invention differs in so far as it is so folded that the two longitudinal edges thereof and thus both ends of each rubber thread inserted in the band are adjacent, whereupon these adjacent parts are firmly united by a seam. The endless band formed in this manner, which is to be connected with a piece of wearing apparel later on, accords for instance the advantage that the ends of the rubber threads at the upper and lower longitudinal edges can be fastened by only one seam which will hold them in original position even if the band is expanded and remains so for some time. Furthermore, according to the invention, this seam may serve also for uniting the band with an edge of the garment. Another advantage is that if the rubber threads lose their elasticity, an elastic band can be inserted in the hollow space produced by placing the two edges together to make possible further use of the garment united with such a band until it is worn out.

A band of this kind for holding wearing apparel in place on the body can be produced on a large scale on an ordinary tubular or knitting frame by feeding one or more rubber threads to the machine during the manufacture of looped fabric of any width and then dividing the tube formed into individual bands. Mills turning out textile goods can advantageously produce such band from yarn left over.

By way of example, the invention is illustrated in the accompanying drawing which shows several phases of the production of the band and in which

Fig. 1 is a perspective view of a band piece made according to my invention of looped tubular fabric and provided with worked-in rubber threads, as it appears before it is folded to form the complete band;

Fig. 2 is a similar view of the folded band;

Fig. 3 is a view showing the folded bands applied to a pair of drawers; and

Fig. 4 is a view showing a portion of a garment provided with a folded band embodying my invention with the addition of a supplemental elastic strip disposed in the space between the folds of the band.

Referring to the drawing, 3 designates a tubu-

lar fabric band piece provided with a rubber thread 1 extending therearound and between the meshes thereof from edge to edge of said band piece. This band piece may be formed from an elongated tube of the fabric of any length and diameter divided as required into single pieces or sections 3 of the sizes required to form the folded bands shown in Figs. 2, 3 and 4, Fig. 2 showing a folded band unattached and Fig. 3 showing folded bands secured to the upper edge 4 of the drawers 5 and to the two edges 6 of the leg portions 6' thereof. In the band 3 the end 1' of the rubber thread 1 is positioned at the lower edge 3' of the band 3, and the other end 1'' at the upper edge 3''. The latter edge is then brought down by folding the band 3 so as to be adjacent to the lower edge 3', whereupon both edges are wholly or partly united, preferably by an extensible seam 7. This seam further serves for holding the ends 1', 1'' of the rubber thread 1, which are closely adjacent like the edges 3', 3'', so firmly in the band 3 that they cannot move from their position even at maximum and continual expansion of the band 3. The seam 7 covers, moreover, the portions of the looped fabric where it has been cut to prevent ravelling. Bands of this kind may be united at their sewn longitudinal edges with the upper edge 4 and the two edges 6 of the leg portions 6' of the drawers 5 or with any other piece of wearing apparel to hold them in place. Instead of a second seam 8, the seam 7 which connects the two longitudinal edges 3', 3'' of the band 3 and holds in position the ends 1', 1'' of the rubber thread 1 may serve for uniting these portions with the garment 5, so that one seam and the time required in producing it are saved.

In case of premature relaxation of the rubber thread 1 inserted in the band 3 an elastic 10 can be placed in the hollow space 9 formed by folding the band 3 to impart the necessary elasticity. The elastic 10 is put in through a small opening in the folded band 3, which is closed after insertion of the elastic. It is further possible to feed a plurality of rubber threads simultaneously with the yarn to the machine producing the tubular fabric 2 to maintain the elasticity of the band 3 until the garment connected therewith is worn out. In this latter case, both ends of each rubber thread are positioned at the longitudinal edges of the band 3 to be held by the seam 7 alone or with the aid of the seam 8. Particularly well suited for this purpose are latex threads united to form a cord. The rubber threads are covered either singly or like a cable, and they as well as

the elastic 10 preferably consist of rubber that is not affected by boiling.

I claim:—

1. A garment supporting band comprising a
5 tube of stretchable textile fabric doubled upon
itself to bring the opposite edges of the tube in
parallel and registering relationship, said tube
enclosing a helically wound rubber thread ex-
tending therearound between the meshes thereof
10 from edge to edge of the tube with the ends of
said thread terminating substantially at said

edges, said edges of the folded tube being joined
by a line of stitching also serving to secure the
ends of the rubber thread in fixed relative posi-
tion to the united edges of the tube.

2. A garment provided with a supporting band 5
of the character set forth in claim 1 wherein the
edges of the band, ends of the rubber thread and
an edge of the garment are commonly united to
join said parts and fasten the band to the gar-
ment by one and the same line of stitching. 10

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