Dec. 23, 1947. H. HARDIE 2,433,046

GARMENT BAND

Filed Oct. 23, 1945

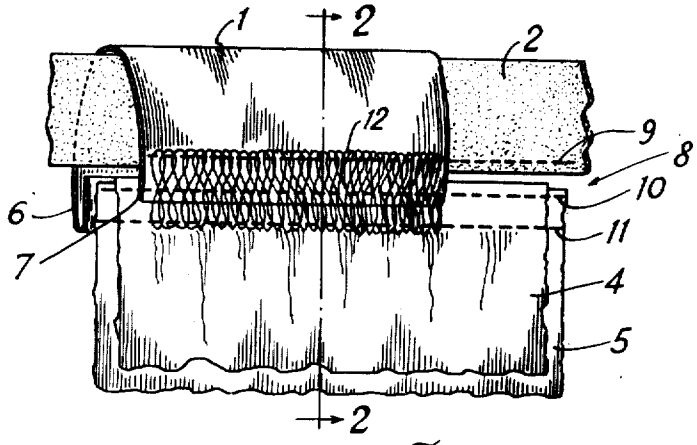


Fig. 1

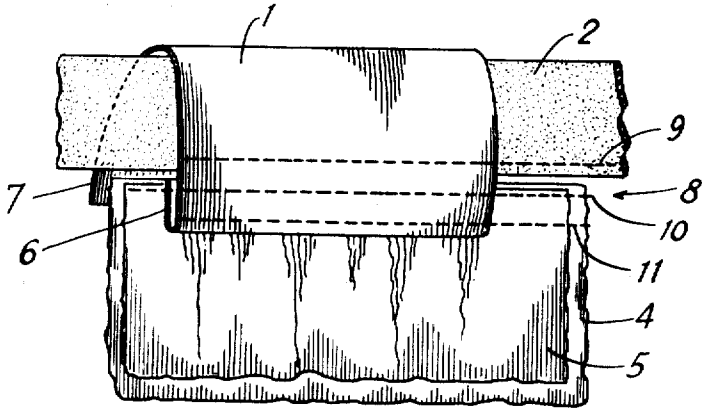


Fig. 3

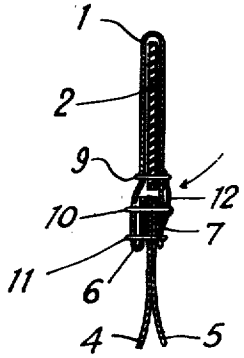


Fig. 2

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GARMENT BAND

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Application October 23, 1945, Serial No. 624,057

2 Claims. (Cl. 2—237)

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The present invention relates to a waistband for garments and more especially to an elastic band adapted for use in undergarments.

The present invention is an improvement upon the construction disclosed and claimed in the patent to Hargreaves 1,873,583 patented August 23, 1932.

The construction disclosed in the Hargreaves patent comprises a sheath of textile material which is folded around a strip of sheet rubber with the edge of the garment inserted within the fold of the sheath and stretchable stitching passing through all of the several elements of the band. In order to manufacture the Hargreave's strip the operator must pay very careful attention to the insertion of the garment within the folded sheath material. This exactness of manufacture tends to slow up the production of garments and the construction is such as to produce a bulky, heavy appearance where certain types of materials of heavy thickness are used.

The present invention is adapted particularly to constructions wherein double-ply material is used and connected with the waistband, as is a common construction in baby panties. In the present construction the sheath is folded over a strip of sheet rubber and the garment material, which may be of double thickness, is inserted in the open edges of the sheath directly beneath the rubber. A slight hem may be formed on the edge of the sheath on the face side of the garment. Elastic stitching of the three-row type is utilized to join the several parts together. The upper row of stitches passes through both sides of the sheath material and through the lower edge of the rubber strip. The middle stitch passes through the two lower edges of the sheath and the two upper edges of the garment. The lower stitch preferably passes through the two upper edges of the two-ply garment material and the hem.

It will be understood that a feature of the present construction is that the two layers of garment material are inserted within the sheath directly below, and not at the side of, the strip of sheet rubber and that the three-row stitches unite the sheet rubber, the sheath and the garment into a substantially flat, trim edge or band for the upper portion of the garment. Since the garment edges and the sheet rubber are run into the machine side by side there is no difficulty in maintaining the relation between the parts and the operations are relatively simple and the appearance of the band is very good.

Preferably both the band and the garment are

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of stretchable material. However, either the sheath or the garment may be of non-stretchable material in which case the garment and the sheath may be shirred during their manufacture so that when the band is stretched the shirring in the non-stretchable material provides the necessary material for the stretching operation.

Fig. 1 illustrates the back of the band portion of the present invention showing parts broken away in order to more clearly illustrate the construction.

Fig. 2 is a cross-section of the band on line 2—2 of Fig. 1.

Fig. 3 illustrates the face of the garment.

Referring now more especially to the drawings which illustrate a preferred embodiment of the invention a sheath 1 encloses a strip of sheet rubber 2 with garment material 4 and 5 inserted into the lower edge of the sheath. It is to be understood that a single garment thickness may be utilized with the present invention, but preferably the present invention is utilized with a double thickness garment. Preferably a slight hem 6 is formed on the outside or face of the sheath while the edge of the inner side 7 of the sheath is unhemmed. Elastic cover three-row stitching 8 is utilized to fasten the several parts together. This stitching comprises an upper row of stitches 9 which pass through the sides of the sheath and the rubber strip, a middle row of stitches 10 which are below the rubber strip but which pass through the hem 6, the double garment materials 4 and 5 and the lower portion of the inner side 7 of the sheath. The third row of stitches 11 passes through the hem 6 and the garment materials 4 and 5 but are below the inner side 7 of the sheath. This lower row of stitches tightly binds the garment to the sheath for the reason that the cover threads 12 tie in the three rows of stitches through the garment and the band.

It will be noted that the garment material lies in the sheath directly below the rubber so that there is no heavy overlapping of the parts, and the final construction comprises a flat flexible band especially adapted for baby undergarments having portions of double thickness.

The present invention is simple in construction and economical in manufacture and produces a flat pleasing appearance when finished.

It is to be understood that the three rows of stretchable stitches are sewed at one time with a three-needle sewing machine and that the cover thread covers the raw edge of the sheath on the inside face of the garment.

Certain garments, especially babies' panties,

have a portion of the garment of double material and other portions of single thickness. These varying thicknesses may extend into the band of the garment, and the present structure is particularly well adapted to such a garment construction.

What I claim is:

1. An elastic band for a garment comprising a strip of thin elastic rubber; a sheath of textile material folded over said strip of elastic rubber with the edges of the sheath extending beyond the edge of the strip of rubber; a ham on one edge of said sheath; garment material between the edges of said sheath; the edge of garment material extending substantially parallel to the edge of said strip of rubber in an edge-to-edge relationship; and a plurality of rows of stretchable stitches uniting the sheath, the rubber and the garment material; one row of stitches extending through the sheath and the rubber and another row of stitches extending through the sheath and the garment material.

2. An elastic band for a garment comprising a thin, flat, elastic rubber strip of uniform width extending lengthwise of the band; a sheath of textile material folded over said strip with the folded portion of the sheath receiving an edge of the rubber strip and the edges of the sheath extending beyond the opposite edge of the rubber strip; an inturned hem on one edge of said sheath, and garment material between the hem and the other edge of said sheath; the edge of the garment material extending substantially parallel to the edge of said rubber strip in an edge-to-edge non-overlapping relationship; the sheath, the rubber strip, and the garment material being united into an assembled whole by three parallel rows of stretchable stitches; one row of stitches extending through the sheath and rubber strip; the middle row of stitches passing through the unhemmed edge of the sheath, the hem, and the edge of the garment material; the third row of stitches passing through the hem and the garment material; and a cover thread uniting all three rows of stitches and overlying the unhemmed edge of the sheath.

HARRY HARDIE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,064,249	Ebert	Dec. 15, 1936
2,130,552	Kuhn	Sept. 20, 1938
2,323,507	Wood	July 6, 1943

Certificate of Correction

Patent No. 2,433,046. **December 23, 1947.**

HARRY HARDIE

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Column 3, line 12, for the word "ham" read *hem*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 9th day of March, A. D. 1948.

[SEAL]

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

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