March 3, 1931. N. HATCH 1,794,850

GARMENT

Filed April 26, 1930

Fig. 1.

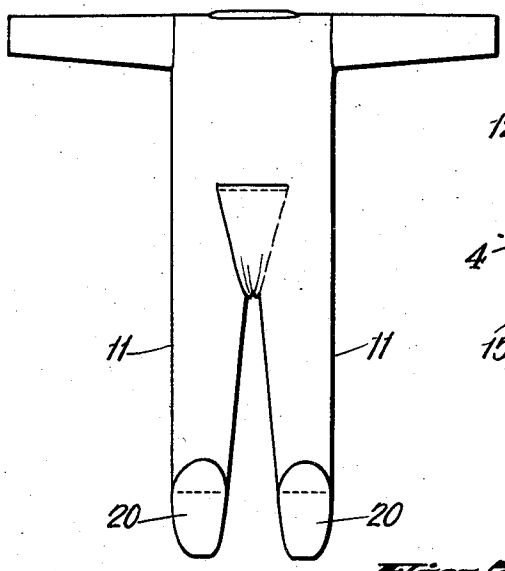


Fig. 2.

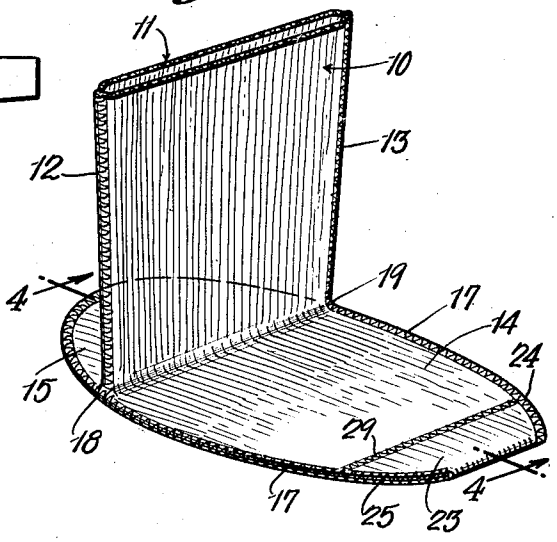


Fig. 3.

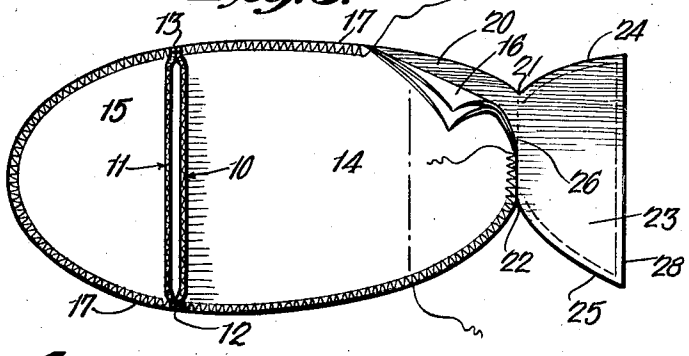


Fig. 4.

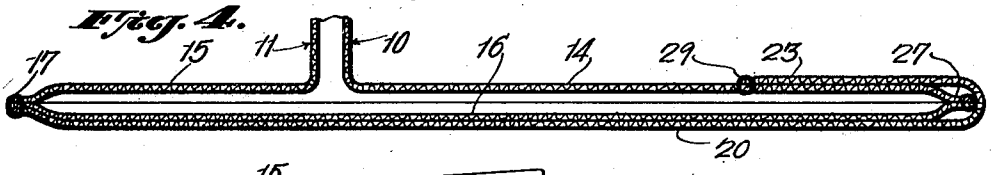
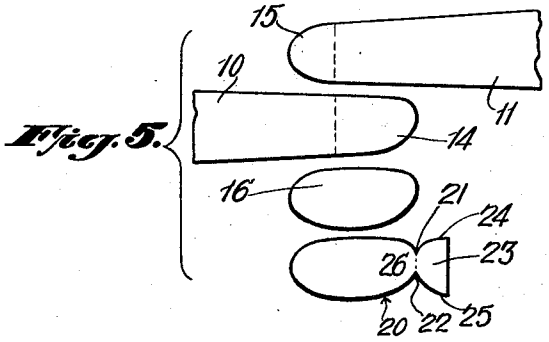


Fig. 5.



Inventor

NATHAN HATCH.

Ulmer & Rauber

By His Attorneys

Patented Mar. 3, 1931 1,794,850

UNITED STATES PATENT OFFICE

NATHAN HATCH, OF ALBANY, NEW YORK, ASSIGNOR TO HATCH PATENTS COMPANY, INC., OF COHOES, NEW YORK, A CORPORATION OF NEW YORK

GARMENT

Application filed April 26, 1930. Serial No. 447,484.

My invention relates to a sleeping garment such as described in my pending application Serial No. 357,928, and particularly to a construction of the foot portions of such garments.

An object of my invention is to provide a foot construction for such garments that shall resist wear and give an added life and strength to the garment and that also provide a smooth, comfortable surface to the wearer and a neat appearance.

With these and other objects in view which will appear more fully in the following description, the invention comprises the sleeping garment and foot construction described in the following specification.

The various features of the invention are illustrated in the accompanying drawing, in which—

Fig. 1 is a rear view of a sleeping garment of a type to which my invention is applicable.

Fig. 2 is a perspective view of the lower or foot part of the garment embodying my invention.

Fig. 3 is a plan view of the foot of the garment and a horizontal section of the leg, certain portions of the seams of the foot being shown as opened and parts of the fabric folded back to show the construction of the garment.

Fig. 4 is a vertical sectional view of the foot portion of the garment, taken on line 4—4 of Fig. 2, and

Fig. 5 is a view, on a reduced scale, of the various pieces of which the foot portion of the garment is constructed.

The main or body portion of the garment to which my invention may be applied may be of any suitable or desired construction. As shown in Fig. 1, it is applied to a combination garment having a body, arms and legs.

In the garment illustrated, the body and leg portions are made of a front fabric 10 and a rear fabric 11 joined at their side edges by side seams 12 and 13. The front fabric 10 is bent forwardly at its lower end from the seams 12 and 13 and shaped to form the top or cover 14 of the foot, and the rear fabric is reversely bent from the seams 12 and 13 and shaped to form the back or heel upper 15 of the foot. These two parts when flattened and extended, as shown in Figs. 2, 3 and 4, coincide with and fit the edge of an inner sole piece 16 of a double sole of the garment. The inner sole piece 16 is joined to the uppers 14 and 15 on their common outer peripheries by a seam 17 that touches or intersects the seams 12 and 13 at the points 18 and 19, thus completing the foot structure.

To reinforce the sole and toe portions of the foot a bottom or outer sole fabric 20 is provided. This outer sole corresponds in outline with the inner sole part 16 throughout rear and sides of the foot to the points 21 and 22 at the toe. From these points the fabric of the outer sole is continued forwardly to form a toe covering portion 23, the side edges 24 and 25 of this portion curving outwardly in the reverse or mirror image relation to the curvature of the seam 17 directly back of the points 21 and 22, so that when the part 23 is folded or doubled back over the upper 14 on the line 26, the edges 23 and 24 will coincide with the corresponding portions of the edge or seam 20.

The rear and side edges of the outer sole 20 are joined in a common seam with the uppers 14 and 15 and the inner sole 16 to the points 21 and 22, the seam 17 being a three-ply seam throughout this part of the periphery of the sole. Forwardly of the points 21 and 22, however the parts 14 and 16 are joined on a two-ply seam as indicated at 27 in Fig. 4. The outer sole 20 is not joined to the upper 14 at the front edge of the toe, that is, on the line 26, but is folded over the two-ply seam 27 as indicated in Figs. 2, 3 and 4, thus forming a reinforcement or double fabric for the forward or toe covering part of the upper 14. The edges 24 and 25 of the outer sole extension 23 are joined in the seam 17 with the inner sole 16 and upper 14 until the forward edge 28 of the part 23 is reached. The forward edge 28 is then stitched to the upper 14 in a transverse seam 29 which may be a straight line seam or a seam of any desired shape.

With this construction the reinforcement of the toe is secured with a minimum thickness of seams at the front edge of the toe

where such seams are especially uncomfortable and troublesome to the wearer. The doubling of the fabric over the seam 27 serves to straighten the latter without stiffening or thickening it and provides a front edge of pleasing appearance. The toe portion in garments of this type is subjected to the most strenuous and wearing treatment and is thus one of the first parts of the garment to wear through. The above construction strengthens this part and increases its wear resisting qualities without greatly increasing the cost of the material or the labor of assembly and stitching.

The parts may be assembled and stitched in any suitable manner. For example, the parts 16 and 14 may be stitched on the seam 27, the edge 28 stitched to the upper 14 on the seam 29, the ports folded and stitched on the seam 17 rearwardly from the point 21 to point 22. The manner of assembly and the details of construction may, however, be varied within the scope of my invention.

Having described my invention, what I claim and desire to secure by Letters Patent is:

1. A garment of the type described which comprises a foot upper, an inner sole piece and an outer sole piece joined to said upper at their side edges, said inner sole piece being joined to said upper on an inner front seam throughout its front portion, and said outer sole piece being extended over said inner front seam and over the toe portion of said upper and being joined thereto, said part of said outer sole portion overlying said toe being joined to said upper and sole portions at its side edge.

2. A garment of the type described which comprises a leg portion having a front piece and a back piece joined at their side edges, said front piece being extended to form an upper foot piece and said rear leg piece being extended to form a heel piece, an inner sole piece joined throughout its periphery to the edges of said upper foot and heel pieces, and an outer sole piece joined to said inner sole piece and to said upper foot piece and said heel piece throughout its periphery except at the front edge, and being extended over the seam of said inner sole piece and said upper foot piece at their front edges and extended over the toe portion of said upper foot piece, said extension being joined at its side edges and at its rear edge to said upper foot piece.

In witness whereof I have hereunto signed my name.

NATHAN HATCH.