Aug. 16, 1938. V. H. BODLE 2,126,723

GLOVE AND METHOD OF MAKING THE SAME

Filed April 22, 1935

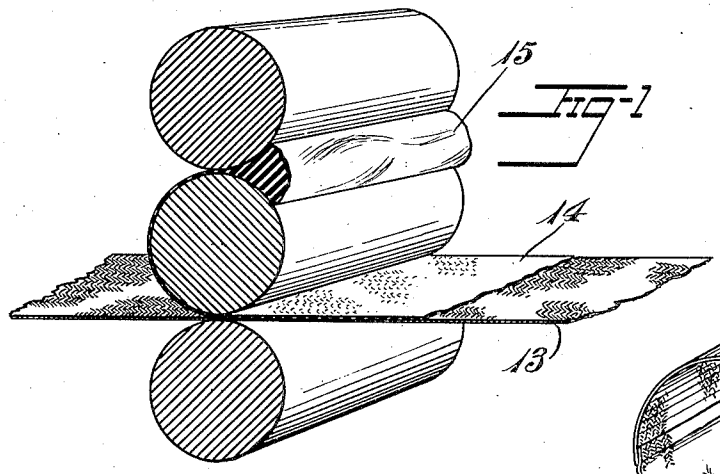


Fig-1

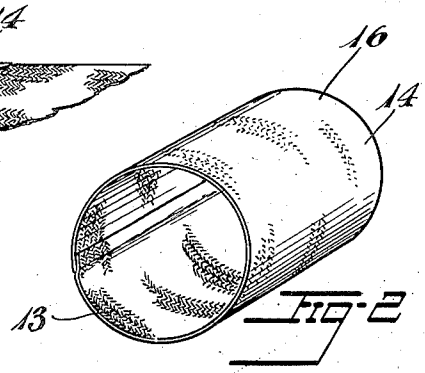


Fig-2

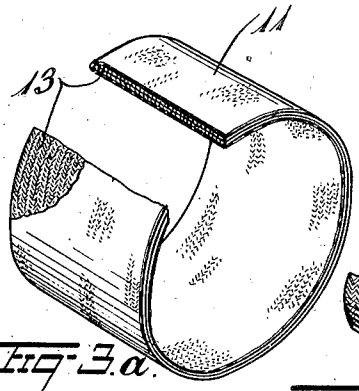


Fig-3.a.

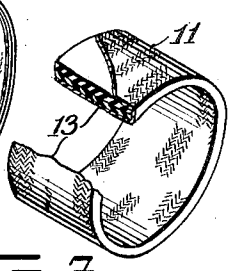


Fig.3.

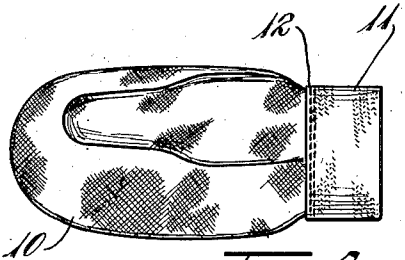


Fig-4

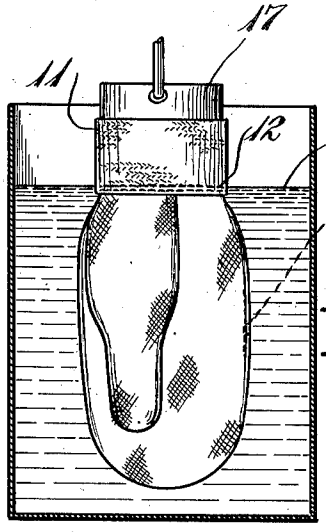


Fig-5

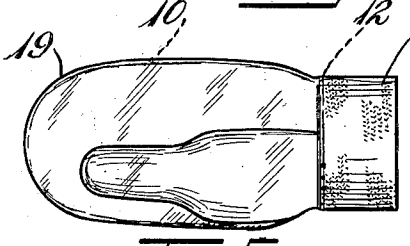


Fig-6

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GLOVE AND METHOD OF MAKING THE SAME

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Application April 22, 1935, Serial No. 17,651

6 Claims. (Cl. 2—168)

This invention relates to gloves and methods of making the same, and is especially useful in the manufacture of gloves or mittens having a canvas or rubberized canvas body and an elastic wrist member.

The principal objects of this invention are to provide simplicity and economy of construction, and efficiency and economy in procedure.

Other objects will appear from the following description and the accompanying drawing.

Of the drawing:

Fig. 1 is a perspective view showing the calendering of a sheet of knit fabric, comprising one step in the manufacture of the elastic wrist member of a glove according to the invention.

Fig. 2 is a perspective view of a tube of such rubberized fabric.

Fig. 3 is a similar view showing the tube doubled upon itself rubber side in to form the wrist member of a glove according to one embodiment of the invention.

Fig. 3*a* is a similar view showing the tube doubled upon itself rubber side out to provide a modified form of wrist member.

Fig. 4 is a view showing the wrist member applied to the body of the glove.

Fig. 5 is a view illustrating the coating of the glove after the wrist member has been applied thereto.

Fig. 6 is a view of a finished glove in the preferred form.

Referring to the drawing, the numeral 10 designates the body of a mitten or glove, made of canvas or other fabric. It is customary to provide such gloves or mittens with an elastic wrist member 11. This wrist member is usually a knitted portion attached to the body of the glove by stitches 12. When the wrist member is merely a knitted material, it becomes stretched with use, so as not to lie compactly around the wearer's wrist.

In order to provide an improved wrist member at reasonable cost, the invention contemplates the manufacture of a double texture material having a layer of elastic rubber between the plies. For this purpose a layer of elastic textile material 13, such as knitted material, is given a coating of rubber composition 14. This may be accomplished on the ordinary three-roll calender, as illustrated in Fig. 1, where the rubber composition 15 is formed into a sheet 14 and pressed onto one face of the fabric. The rubber composition may also be applied by other methods, such as by spreading, if desired.

The coated fabric is cut in strips, which are joined at opposite edges, as by sewing or cementing, to form tubular bodies 16, as illustrated in Fig. 2, having the rubber coating 14 on the outside. The material of the tubular body is then cuffed upon itself as shown in Fig. 3 to form a doubled wrist member. As a modification of the process, the rubber coating may be wholly or partially vulcanized before the doubled wrist portions are formed.

The doubled wrist portion 11 is then applied to a canvas glove body 10 by stitching 12, Fig. 4.

In the production of the preferred form of glove, as illustrated in Fig. 6, after a glove has been produced as described above, it is placed upon a supporting form 17, and the form with the glove thereon is immersed in a solution or dispersion of rubber composition 18, to provide a rubber coating 19 over the canvas, and preferably extending over at least the adjacent edge of the wrist member. This makes the entire glove waterproof and further unites the body and wrist members. The glove is then vulcanized in any desired manner.

Where the wrist portion is vulcanized before being assembled to the body member, or where the rubber in the wrist member becomes vulcanized during the vulcanization of a rubber coating on the body portion, the knitted wrist member becomes permanently elastic, due to the continuous layer of vulcanized rubber between the doubled plies of the wrist member and attached continuously to the knitted material thereof.

Where it is desired to provide a rubber outer surface on the wrist portion on the skin contacting face and the outer face, the tube of Fig. 2 is simply doubled upon itself rubber side out as shown in Fig. 3*a*. In this embodiment, after the dipping step of Fig. 5, the glove is rubber coated entirely over its outside and over the skin-contacting face of the wrist member, making the fabric of the glove well protected by rubber.

I claim:

1. The method of making a glove which comprises applying a rubber coating to one side of an elastic fabric, doubling the fabric with its coated faces in contact to form a tubular wrist covering, attaching said wrist covering to a glove body of textile material, applying a coating of rubber over the glove body and the seam uniting it to the wrist covering and vulcanizing the glove with the rubber coated wrist covering in its doubled form.

2. The method of making a glove which comprises applying a rubber coating to one side of an elastic fabric, doubling the fabric with its

coated faces in contact to form a tubular wrist covering, attaching said wrist covering to a glove body of textile material, mounting the partially completed article so formed on a supporting form to hold the article in proper shape, depositing a coating of rubber composition over the said glove body and partially over said wrist covering, and vulcanizing the glove with the rubber coated wrist covering in its doubled form.

3. A hand covering comprising a doubled wrist member of elastic fabric having a continuous coating of rubber composition encompassing the wrist member between its adjacent faces, and a body member of textile material secured thereto.

4. A hand covering comprising a doubled wrist member of knitted material having a continuous coating of rubber encompassing the wrist member between its adjacent faces, and a body member of woven material secured thereto.

5. A hand covering comprising a doubled wrist member of elastic fabric having a coating of rubber composition encompassing the wrist member between its adjacent faces, a body member of textile material secured thereto, and a coating of rubber composition applied to said textile material and over a portion of said wrist member.

6. A hand covering comprising a doubled wrist member of elastic fabric having a coating of rubber composition between the adjacent faces of its layers and encompassing the wrist member, a body member of textile material, and a coating of rubber composition applied to said textile material coextensive with it and overlapping the wrist member, the rubber coated wrist covering being vulcanized in its doubled form.

VIRGIL H. BODLE.