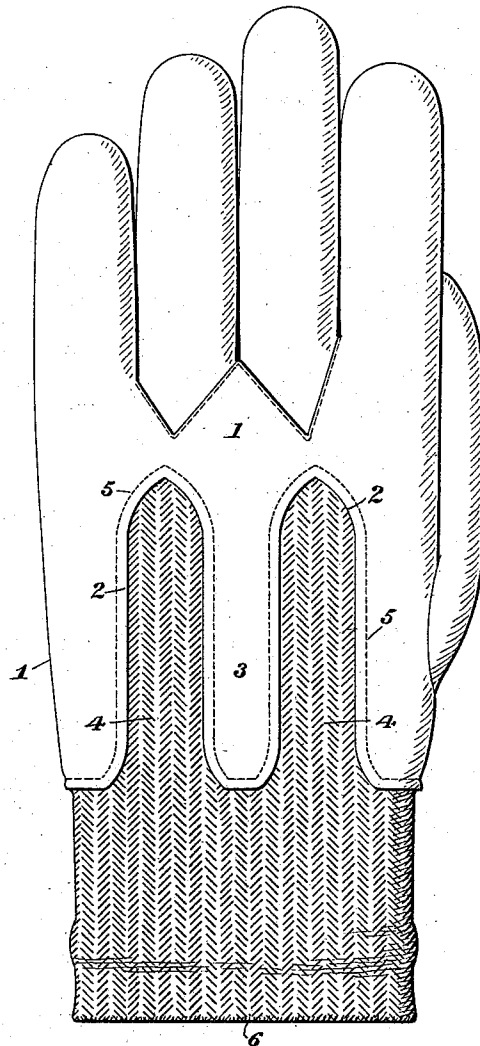


(No Model.)

W. M. TYRRELL.
GLOVE OR MITTEN.

No. 402,287.

Patented Apr. 30, 1889.



Witnesses,
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UNITED STATES PATENT OFFICE.

WILLIAM M. TYRRELL, OF GLOVERSVILLE, NEW YORK, ASSIGNOR TO EARL G. THOMAS AND CHARLES D. THOMAS, OF SAME PLACE.

GLOVE OR MITTEN.

SPECIFICATION forming part of Letters Patent No. 402,287, dated April 30, 1889.

Application filed January 14, 1889. Serial No. 296,302. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. TYRRELL, a citizen of the United States, residing at Gloversville, Fulton county, and State of New York, have invented certain new and useful Improvements in Gloves and Mittens, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to gloves or mittens for covering the hands.

In the class of gloves or mittens that are unprovided with the longitudinal hand-slit in the palm for facilitating the passage of the hand in and out of the glove, and fasteners for closing such opening or slit, it is very desirable to have the glove fit snugly about the lower part of the body of the hand, which tapers abruptly toward the wrist. If the facing or glove material proper of such a glove be made wholly of skin or leather, which are practically inelastic materials, the dimension of the glove at the base of the hand, or at the wrist, must necessarily be as great as the dimension across the knuckles, in order to permit the insertion and withdrawal of the hand, and this results in a most undesirable looseness and bagging of the glove about the lower part of the hand and the wrist.

The objects of my invention are to so improve this class of gloves having no palm-slit and fasteners that a more perfect fit about the body of the hand may be secured, and that the improved elastic part of the glove, whereby the neat fit is obtained, may be well stayed and strengthened.

To accomplish the above purposes I cut away at the back of the glove, from at or near the knuckle-line toward the wrist, portions of the inelastic facing or glove material proper, and insert in such openings elastic material, or material having greater elasticity than the glove-facing, so as to allow lateral expansion and contraction across the glove-back, and I use the portion of the inelastic glove-facing intermediate such openings as a strengthening-stay for the elastic sections, to prevent

straining thereof and to preserve the elasticity of the latter, all as hereinafter fully described, and then pointed out in the claim.

In the accompanying drawing I have illustrated a glove made after the manner of my invention, and I will refer to the same by means of the numbers of reference marked thereon, for the more thorough understanding of the invention.

Referring now to the drawing, the same represents a back view of one of my improved gloves, and 1 designates the facing or glove material proper, which may be made of suitable skin or leather, all of which materials may be considered, for the purposes of my invention, as practically inelastic, especially when made thick.

In the back of the inelastic facing 1, I cut away the material to form suitable openings of any desirable shape, such as the openings 2 2. These openings or cuts extend in the general direction of the length of the glove from about the line of the knuckles to the wrist, where their lower ends open. This leaves intermediate the openings 2 2 an inelastic tongue-like piece, 3, which serves as a stay for the elastic material 4, inserted in the openings 2 2 by means of stitching 5, or otherwise. Each opening in the glove-back may be provided with a separate piece of elastic material, 4; or one piece of the same may serve for the two openings. In either case the stay 3 is to be sewed or secured to the elastic material, which may be of knit goods, cloth, felt, or other suitable fabric having an elasticity greater than the glove-facing. In the present construction the elastic material 4 is shown as preferably extended to form the ordinary tubular wrist-band 6 about the bottom of the glove.

The stay 3, being secured to the inelastic material and sewed to the elastic insertions, will act as a strengthening-stay for the latter and will prevent the possibility of straining the same in using the glove. The stay may be of any desired length and shape, and may be made in one piece with the facing of the glove or made separately therefrom and then be united thereto by stitching. It will be manifestly preferable, however, to have the stay integral with the facing 1. It will now

be evident that entering the hand within the glove will expand the elastic material 4, which, when the glove is on, will contract because of its elasticity, and thus fit the glove snugly about the lower part of the body of the hand and about the wrist, as clearly indicated in the drawing. If the glove be made with a lining, the latter should be made sufficiently full to receive the hand, and it will be drawn up in folds along the back when the glove is on by virtue of the contraction of the elastic material, unless such lining be elastic like the insertions.

The invention is not confined to any particular pattern of hand-covering, and is obviously applicable to a mitten as well as a glove, and it is intended to be used with the same. Though I have only shown two of the openings or cuts 2 2 in the glove-back, the invention contemplates any number of the same.

The advantages of the invention are that the glove is made to fit well and snugly, and at the same time the elastic fabric is thoroughly stayed, and there is no drawing across the knuckles. Incidentally it may be mentioned

that the elastic sections make a showy glove, and, moreover, by occupying the space on the glove-back it saves the necessity and expense of working or drawing the backs.

Having thus described my improvements in gloves and mittens, what I claim as my invention, and desire to secure by Letters Patent, is—

In a glove or mitten, the combination, with the glove-facing 1, made of comparatively inelastic material and cut away at the back from the wrist to about the knuckle-line, of elastic material 4, inserted in the said cut-away part of the facing, and a stay-piece, 3, attached to the facing and secured to the elastic material and extending lengthwise the elastic back to stay it, and leaving openings 2 2, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand, this 11th day of January, 1889, in the presence of the two subscribing witnesses.

WM. M. TYRRELL.

Witnesses:

CLAYTON M. PARKE,
ELLIOT THOMAS.