

(No Model.)

R. D. BURR.  
GLOVE OR MITTEN.

No. 373,048.

Patented Nov. 15, 1887.

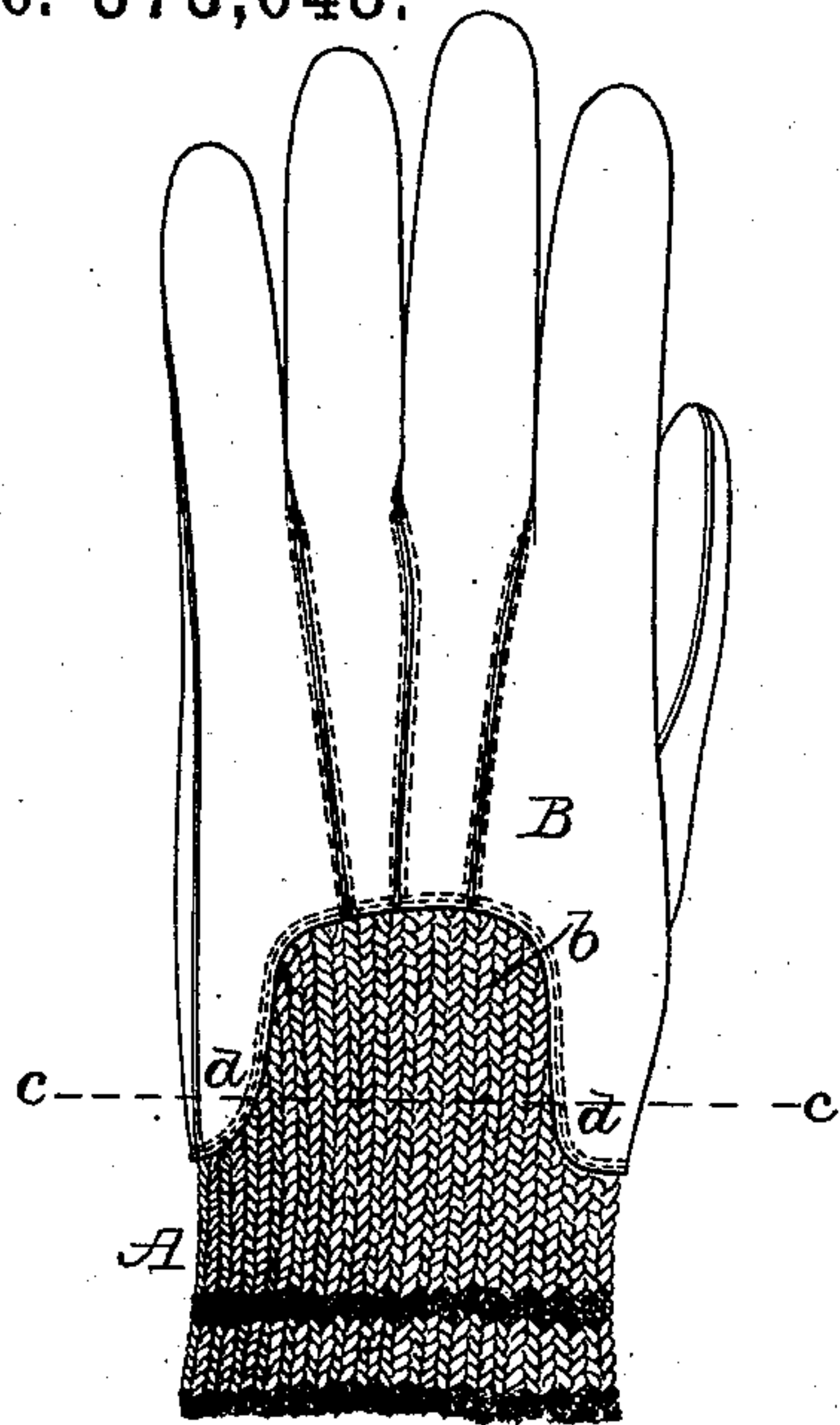


Fig. 1.

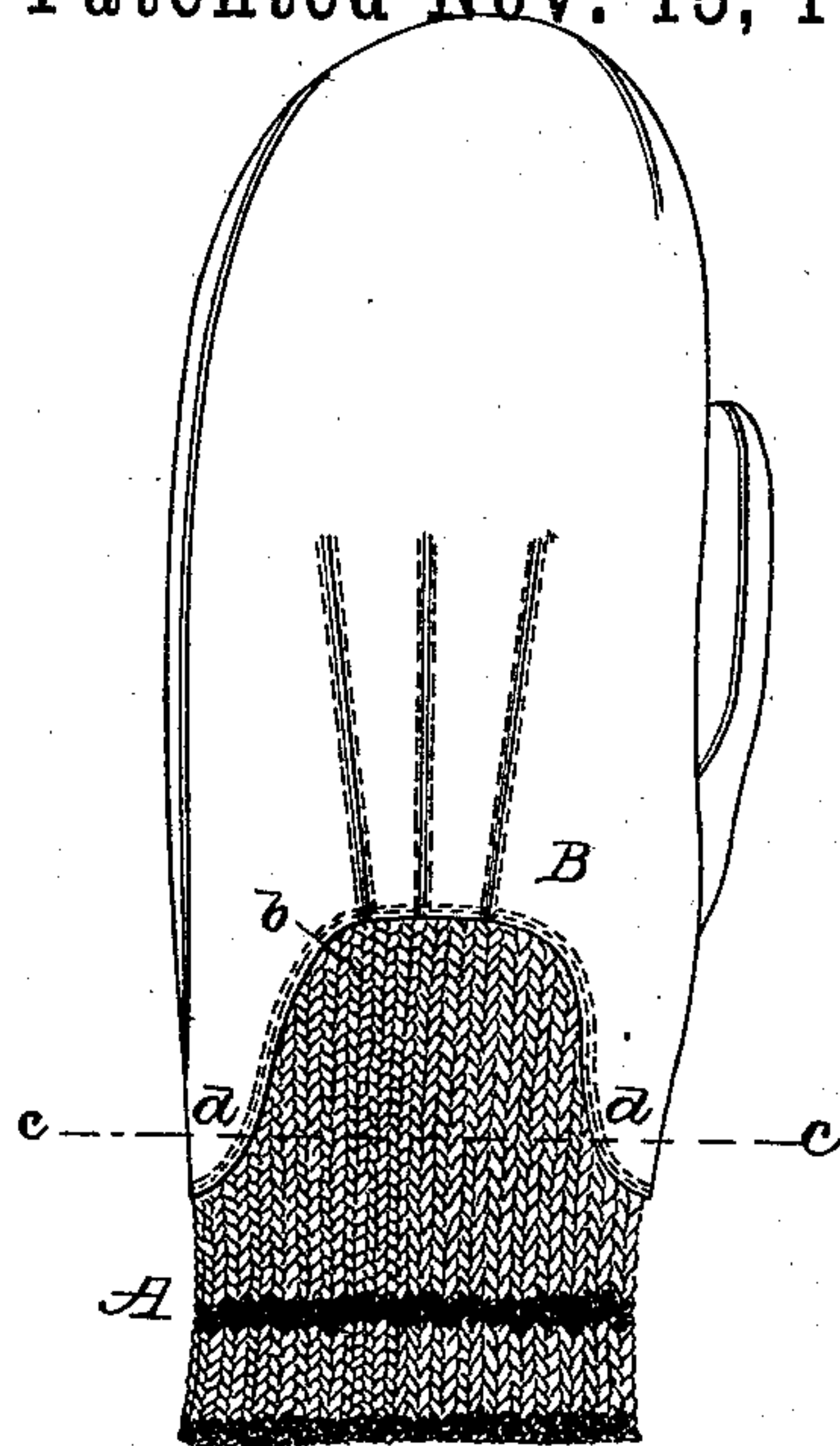


Fig. 2.

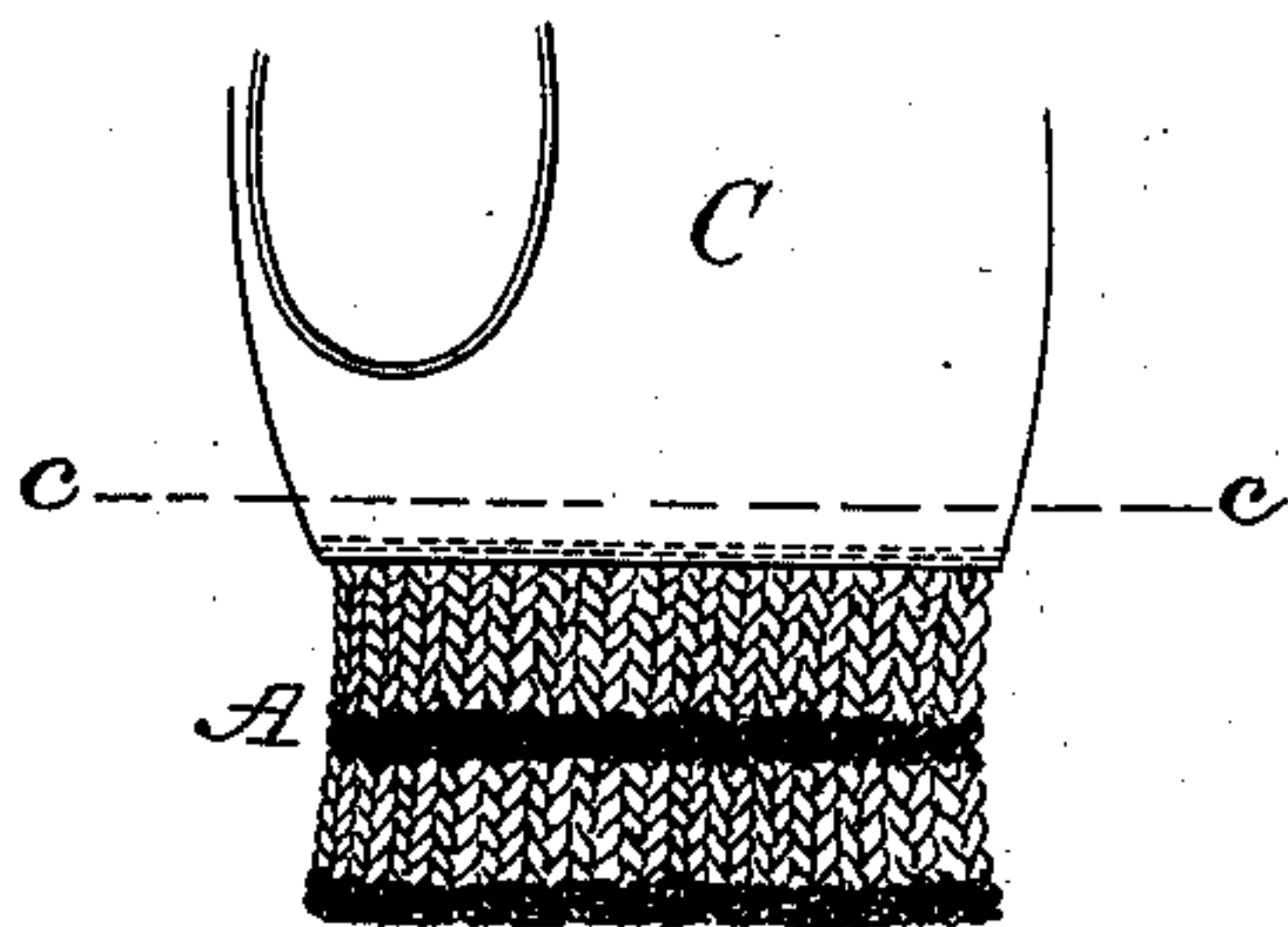


Fig. 3.

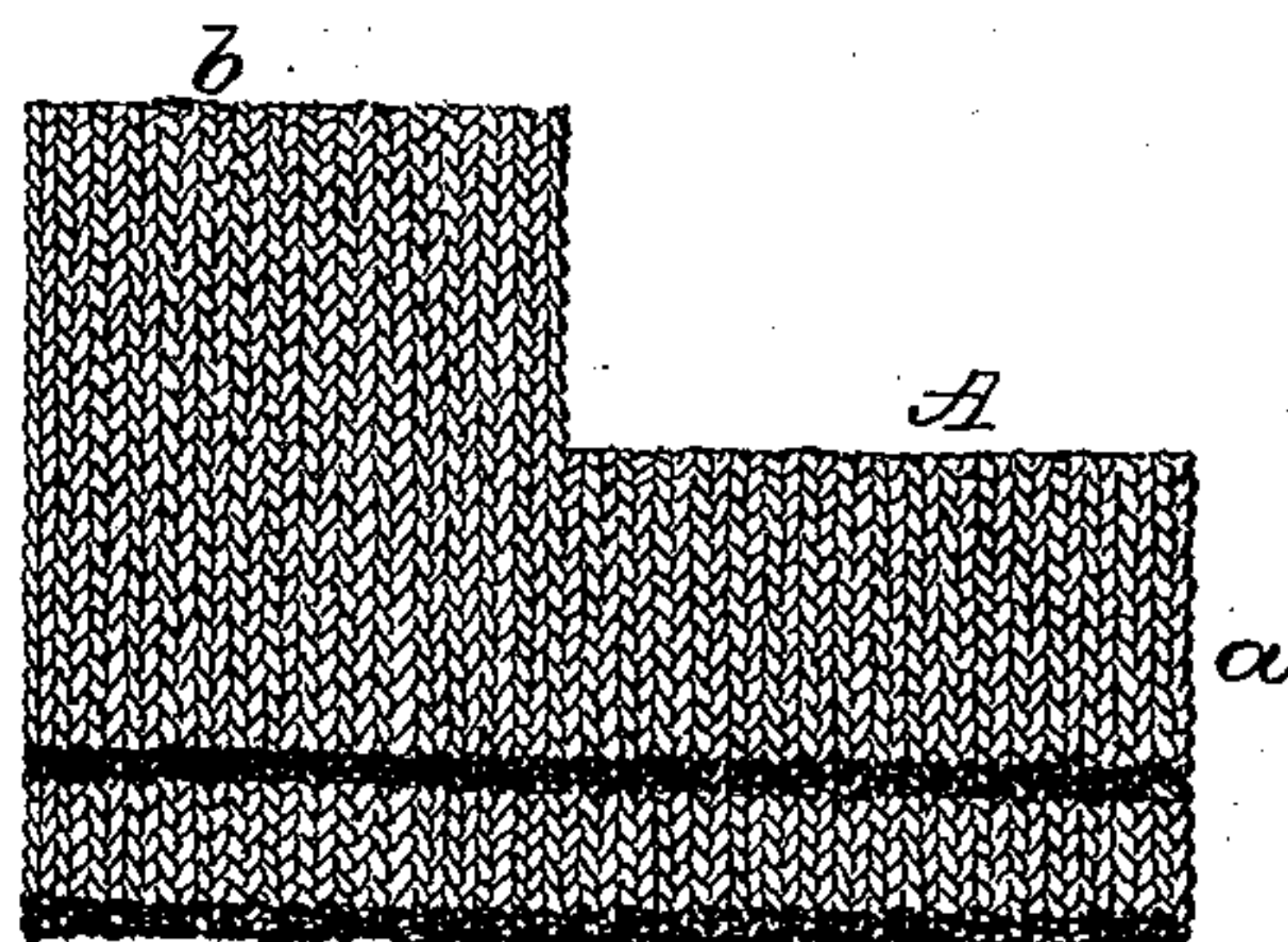


Fig. 4.

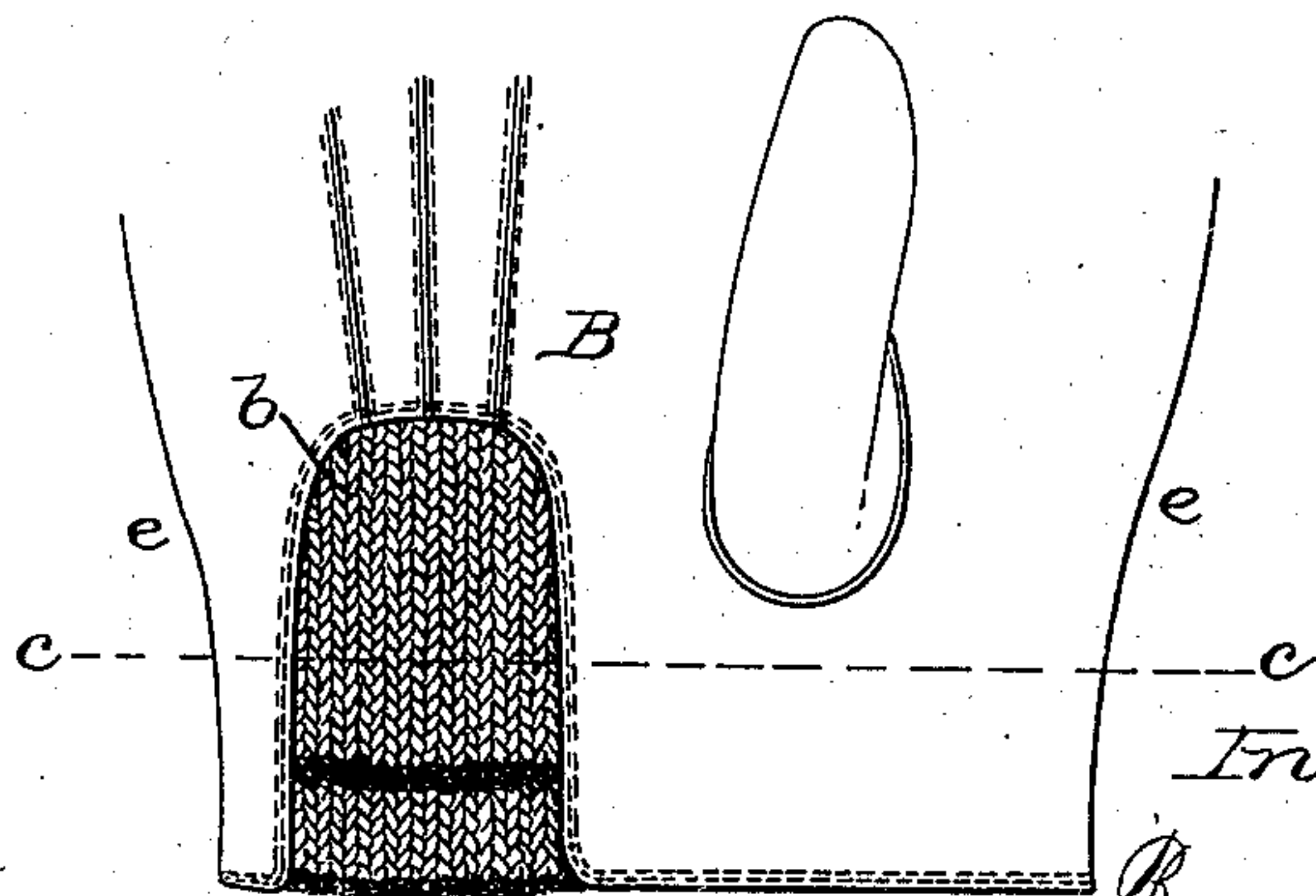


Fig. 5.

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# UNITED STATES PATENT OFFICE.

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## GLOVE OR MITTEN.

SPECIFICATION forming part of Letters Patent No. 373,048, dated November 15, 1887.

Application filed November 28, 1884. Serial No. 149,025. (No model.)

*To all whom it may concern:*

Be it known that I, REMUS D. BURR, of Kingsborough, in the county of Fulton and State of New York, have invented certain new and useful Improvements in Gloves or Mittens; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part thereof, is a clear, true, and complete description of my invention.

My invention is in no manner dependent upon the character of the upper portion of gloves or mittens so long as their backs and palms are composed of leather or other equivalent material which is comparatively inelastic.

A glove or mitten embodying my invention has a wrist-opening controlled by elastic textile fabric capable of expanding freely to admit the hand and then of contracting to not only close snugly around the wrist, but also so as to cause the leather portion of the glove or mitten to contract smoothly and afford a close symmetrical fit at the knuckles and also at the wrist-joint. Leather gloves or mittens have heretofore been scalloped at or below the wrist-line and provided with wristlets composed of elastic textile fabrics, and so, also, have mittens heretofore had leather thumbs and fronts and backs wholly composed of elastic textile fabrics integral with a wristlet; but mine differs from any of these in that the leather backs of my improved goods are cut away upwardly from the wrist-line, but essentially below the knuckle-line, and the elastic fabric extends upwardly from the wrist-line and serves as the central lower portion of the back below said knuckle-line, and it also incloses the whole or a part of the wrist at and below the wrist-joint. By thus having a back composed mainly of practically inelastic material at and also below the knuckle-line and only partially composed of the elastic fabric at the central lower portion thereof, I obtain that which the wholly-elastic back cannot afford—viz., a snug and symmetrical fit around the hand on the knuckle-line and below it, my elastic fabric serving only to control the lower portions of the leather palm and back, at and a little above the wrist-line. In the use of working gloves and mittens, their backs on the knuckle-line

are specially exposed to wear and to cutting influences, and such injuries are well provided against in my glove, because the elastic fabric is restricted to a portion of the back at which there is a minimum exposure to wear. At the front of my improved glove or mitten said elastic fabric is not exposed to wear, because the leather palm-section is extended without a slit or opening to or below the wrist-line.

To more particularly describe my invention I will refer to the accompanying drawings, in which—

Figures 1 and 2 illustrate, respectively, the back of a glove or a mitten embodying my improvement. Fig. 3 is a front view of the lower portion of a glove or mitten embodying my improvement. Fig. 4 illustrates in its best form an elastic combined wrist and back as devised by me for use in gloves or mittens, as illustrated in Figs. 1, 2, and 3. Fig. 5 illustrates the lower portion of a glove or mitten, in which the elastic fabric is covered by the leather, except at the back.

I will first describe the preferred form of the elastic portion A of a glove or mitten embodying my invention, as illustrated in Fig. 4.

While the best results can be produced by the use of knit woolen fabrics, I do not limit myself thereto, because any of the well-known elastic fabrics can be employed with more or less satisfactory results. The lower edge of the elastic section A should have a finishing selvage, but no other selvage-edges are absolutely essential, although I prefer to have them at the two ends of the fabric which are to be united in forming the wrist-opening. It will be seen that said section A is in two widths, the narrower part, *a*, being proportioned so as to extend below the wrist-line of a glove or mitten, and the part *b* being sufficiently wider to enable it to extend above said wrist-line, and to serve as an elastic portion of the back of the glove or mitten, as well as a part of the wristband thereof.

As seen in Figs. 1 and 2, the leather back B is cut away below the knuckle-line and above the wrist-line *c*, so as to enable the wide portion *b* of the elastic fabric A to form the central lower portion of the back of the glove or mitten, and to thereby properly control the



two corners *d* of the back at the wrist-line and cause a smooth and even contraction of the leather portions of the glove on said line.

As seen in Fig. 3, the leather palm C extends unbroken or without slit or opening downwardly to the wrist-line *c*, and presents a smooth unbroken surface at said line and overlaps the elastic fabric, thus protecting the latter from such wear and abrasion as would be liable if said fabric were extended above said wrist-line and formed a portion of the palm.

As results of my improvement I obtain a snug symmetrical fit around the hand in the non-elastic material at the knuckle-line, a warm, comfortable, close fit around the wrist below the wrist-line, an even, smooth, and symmetrical fit of the leather portions at the wrist-line, an unbroken, well-fitting, and durable palm-section, and the elastic textile fabric is not unduly exposed to wear.

As a rule I employ the flat elastic fabric in form precisely as shown in connection with linings composed of fabrics of the usual varieties cut in various ways; but I am aware that more or less complete gloves or mittens composed of elastic textile fabric can be used as linings within leather gloves or mittens which are cut away at the back below the knuckle-line, as described; and it is to be understood, therefore, that I do not limit myself to a flat elastic fabric which must be united at its edges in forming a wrist-opening, because said fabric may obviously be partially or wholly knit in tubular form or in the form of a complete lining and serve the same purpose, although with less economy in manufacture than when cheaper linings are employed.

It is obvious that the width of the elastic fabric below the wrist-joint line *c* can be largely

varied without departure from my invention so long as the leather back is cut away, as described, and the elastic fabric serves as a lower central portion of the back and affords the requisite elasticity at the wrist-line to enable the glove or mitten to be readily put on and off, and secures a comfortable and symmetrical fit at said wrist-line—as, for instance, in Fig. 5 I show the lower portion of an unfinished glove or mitten, in which the back portion, B, and the palm portion C extend below the wrist-line *c*, and therefore the elastic fabric A is only exposed at the combined wrist and back portion, *b*, in which case the remainder of the elastic fabric serves as a wrist-lining, or only so much of said elastic fabric may be here used as will be requisite for forming the combined wrist and back section, *b*. It will be seen that when the convex edges *e* have been united the wrist-opening will be formed, and that it will be capable of expanding freely on the wrist-line *c* for admitting a hand, and that the elastic wrist and back section, A *b*, will snugly contract the leather portion and cause it to fit the wrist smoothly and comfortably.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A glove or mitten composed mainly of leather or other comparatively inelastic material, and having an inelastic palm-section extended to the wrist-line, an inelastic back cut away centrally below the knuckle-line, and also at and above the wrist-line, and an elastic fabric section serving as the lower central portion of the back, and also as a wrist section, substantially as described.

REMUS D. BURR.

Witnesses:

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