Dec. 12, 1944. T. C. O'CONNELL 2,364,749

GLOVE

Filed March 28, 1942

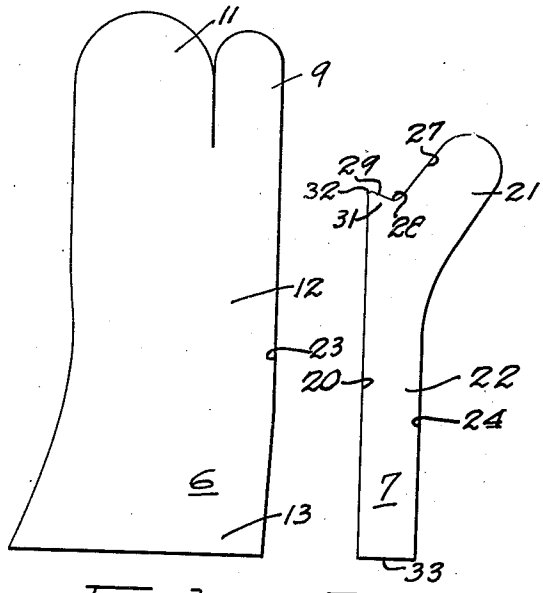


Fig. 1.

Fig. 2.

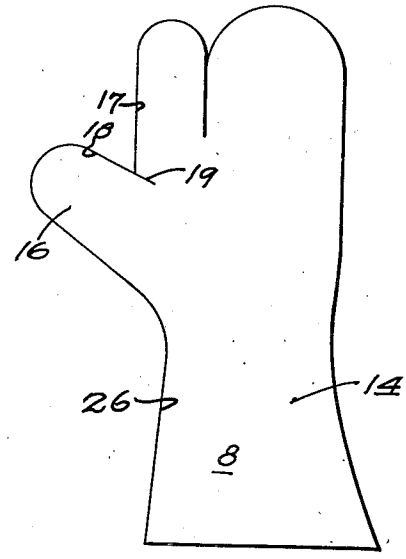


Fig. 3.

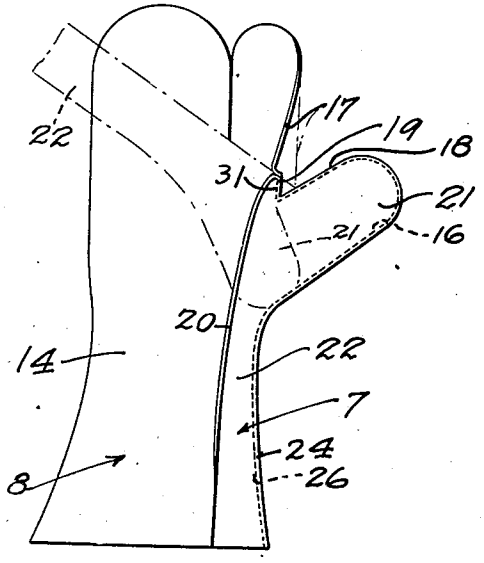


Fig. 4.

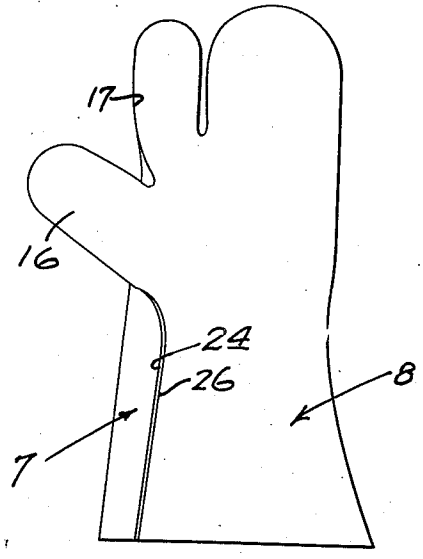


Fig. 5.

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GLOVE

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2 Claims. (Cl. 2—169)

This invention relates to gloves.

An object of this invention is to provide a glove or mitten without any seams on the back and on the palm portion so as to prevent the burning or opening of the seams by the action of the work handled or by sparks, heat or the like.

Another object of this invention is to produce a glove with a one piece back, a one piece palm and a thumb back in such manner that all seams on the back and palm of the glove are obviated, and so joining the thumb back to the other parts of the glove that a larger joining area is produced with stronger wearing qualities.

It will be understood that various changes in the details of construction may be made without departing from the spirit or scope of the invention as defined by the appended claims.

With the foregoing and other objects in view, which will be made manifest in the following detailed description, reference is had to the accompanying drawing for the illustrative embodiment of the invention, wherein:

Fig. 1 is a detail view of the palm portion of the glove.

Fig. 2 is the thumb piece of the glove.

Fig. 3 is the back of the glove.

Fig. 4 is a perspective view of the thumb piece on the inside of the back of the glove.

Fig. 5 is a perspective view of the completed glove.

In the illustrative embodiment of the glove and the method of making the same I make use of a one piece back 6, a thumb back 7 and a one piece palm 8. In the form shown, the back 6 is cut for a so called one fingered mitten which has a finger 9 for the index finger of the hand and a cover 11 for the remaining fingers of the hand. A hand cover 12 with a top 13 extends well above the wrist and is flared outwardly as shown. The palm piece 8 of the glove has parts symmetrically fitting over the finger and mitten portions of the back piece 6 but the flaring top 14 is slightly narrower than the back piece 6. A so called stick out thumb 16 is provided on the palm piece 8. The outer edge 17 of the finger on the palm piece 8 extends straight to the inclined edge 18 of the thumb 16 and at this meeting point of these edges 17 and 18 there is a cut 19 in extension of the inclined thumb edge 18 for the purpose to be hereinafter described.

The thumb piece 7 includes a thumb back 21 and a side strip 22 extended at an angle so that on an edge 20 thereof it fits alongside the longitudinal edge 23 of the back piece 6 and the other longitudinal edge 24 thereof fits on the corresponding edge 26 of the palm piece 8. The inclined thumb edge 27 of the thumb piece 7 terminates in the thumb crotch 28, which latter is formed by another inclined edge 29 so as to form a wide angle with the inclined thumb back edge 27. At the tip of the projection 31 formed by the outer end of the inclined thumb crotch edge 29 is a short straight point 32. It is to be noted that inclined thumb crotch edge 29 is of substantially the same length as the cut 19 at the base of the finger edge 17 in the palm piece 8. The transverse top edge 33 of thumb strip is aligned with the top edges of the other pieces when the glove is completed.

In the method of making this glove, the thumb piece 7 is placed in an inverted position over the gripping face of the palm piece, as shown in broken lines in Fig. 4, so that the thumb crotch edge 29 overlies the cut 19 of the palm piece 8 and the thumb piece strip extends toward the outer corner of the mitten portion of the palm piece 8. In this inverted position of said pieces the thumb crotch edge 29 is sewed to the short in-cut edge 19 at the base of the finger edge 17 on the palm piece 8 which causes a slight bulging at the base of said finger portion when the thumb piece is turned so as to cover the stick out thumb 16 of the palm portion 8 with the edge 24 of the thumb piece 7 on the edge 26 of the palm piece 8 and then the sewing is continued from said short edges around the superimposed edges of the thumb 21 and 16 and down along the edges 24 and 26 of the thumb piece 9 and palm piece 8 until said pieces are suitably fastened together. This step in the making of the glove results in a bulging spacy thumb crotch in the glove and substantially conceals the seam in said thumb crotch and protects the seam against wear. Then the back piece 6 is placed on the palm piece 8 so that edge 23 of the back piece 6 overlies the edge 20 of the thumb stem and the other edges of the back piece 6 are aligned with the corresponding edges of the palm piece 8 and finally the edges of the back piece 6 are fastened to the respective edges of the thumb piece and of the palm piece.

The resulting article of manufacture is a glove or mitten wherein the inner thumb edge and the crotch seams are almost completely concealed, the thumb piece strip forms a side of the glove in extension of the thumb but on the side, and no seams are exposed on the palm or on the back of the glove. This invention also eliminates transverse bands and cuffs heretofore used on gloves of this kind. In practice gloves made in accordance with the herein invention proved especially

superior for welders where the gloves are subjected continuously to hot sparks. Once hot sparks hit a seam on the back of a glove of the old type, the seam burns and opens up leaving the hand unprotected. Hot objects handled in the old type gloves burned the seams on the palms. The herein described glove fully protects the hand at all areas exposed to sparks and heat. The gloves may be made of any suitable heat resistant material, such as asbestos fabrics. The finished gloves may be suitably lined and hemmed at the top edge in any usual manner.

I claim:

1. In a method of making gloves of the character described, the cutting of the palm face of the glove from one piece of material so as to form thereon a stick out thumb, cutting into the glove in continuation of the thumb edge at the thumb crotch and at the base of the index finger portion of the one piece palm face, the forming of a one piece back for the glove without a thumb piece on it, the forming of a separate thumb back piece with a side strip for a side of the glove and with a thumb crotch substantially fitting over the cut at the base of the index finger of the palm face of the glove, placing the thumb back piece on the palm face so that the crotch line in the thumb piece is aligned with the cut at the base of the index finger on the palm piece and the thumb back is extended over the palm face toward the little finger edge of the palm piece and sewing said crotch line to the edge of the index finger and the base of the thumb of said palm piece in said cut, turning the thumb back so as to cover the thumb on the palm face and to align with the adjacent edge of the palm face and sewing together the overlying edges continuing around the thumb edges and down the overlying edges of the stem of the thumb back piece and the palm piece to the end of the cuff of the glove, and finally fastening the corresponding edges of the back to the edges of the palm face and the thumb back.

2. In a method of making gloves of the character described, the cutting of the palm face of the glove from one piece of material so as to form thereon a stick out thumb, cutting into the glove in continuation of the thumb edge at the thumb crotch and at the base of the index finger portion of the one piece palm face, the forming of a one piece back for the glove without a thumb piece on it, the forming of a separate thumb back piece with a side strip for a side of the glove and with a thumb crotch substantially fitting over the cut at the base of the index finger of the palm face of the glove, placing the thumb back piece on the inside of the palm face so that the crotch line in the thumb piece is aligned with the cut at the base of the index finger on the palm piece and the thumb back is extended over the palm face toward the little finger edge of the palm piece and sewing said crotch line to the edge of the index finger and the base of the thumb of said palm piece in said cut, turning the thumb back so as to cover the thumb on the palm face and to align with the adjacent edge of the palm face and sewing together the overlying edges continuing around the thumb edges and down the overlying edges of the stem of the thumb back piece and the palm piece to the end of the cuff of the glove, and finally fastening the corresponding edges of the back to the edges of the palm face and the thumb back.

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