April 18, 1950 H. E. LINDFELT 2,504,553

GLOVE

Filed Nov. 17, 1947

Fig. 1.

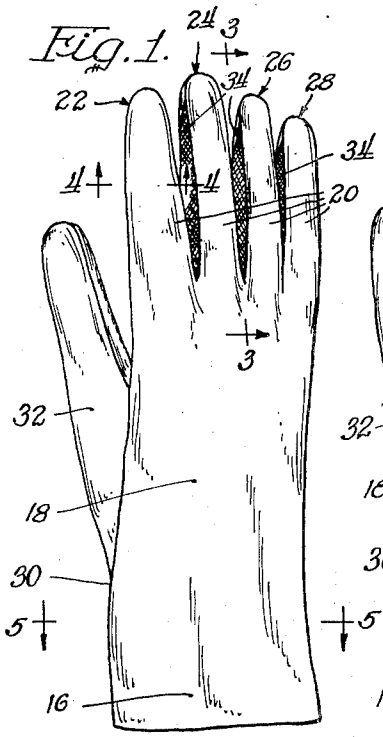


Fig. 2.

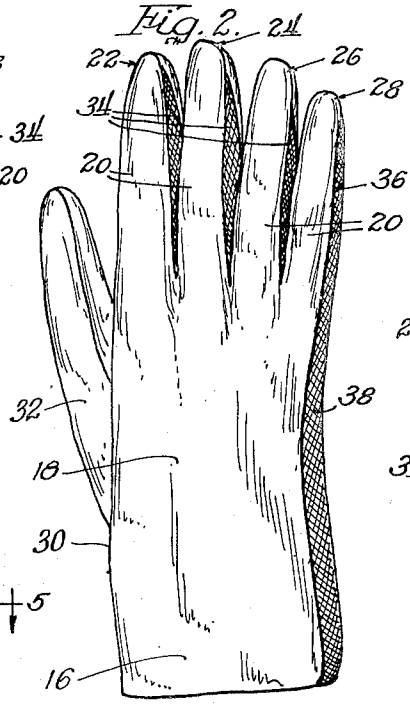


Fig. 3.

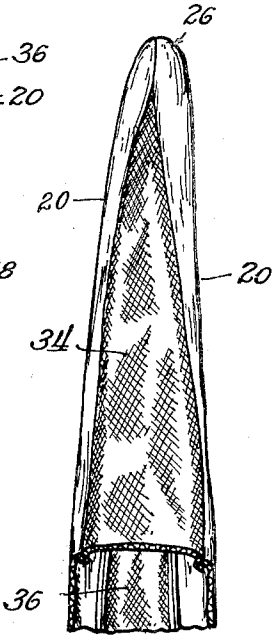


Fig. 6.

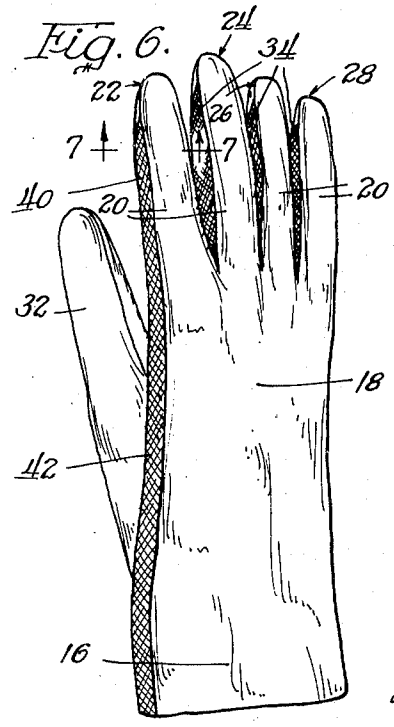


Fig. 5.

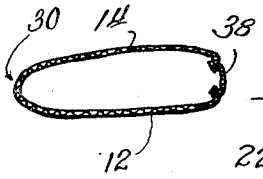


Fig. 4.

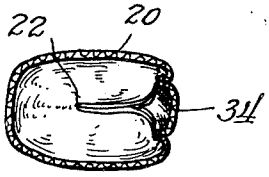
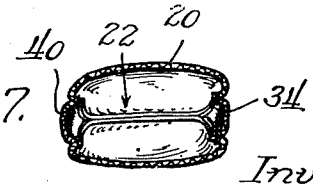


Fig. 7.



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GLOVE

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3 Claims. (Cl. 2—167)

1

This invention relates to gloves.

In most previous types of gloves, it was inconvenient or uncomfortable to manipulate the hand because a glove is designed to fit the hand tightly for good appearance. When it so fits the hand tightly, the material of the glove does not permit the hand to be manipulated or clenched easily. If the glove is made large enough to permit free use of the hand, the glove does not fit properly and becomes more unsightly.

An object of the present invention, therefore, is to overcome the objections to previous gloves noted above.

Another object is the provision of a tight fitting glove having stretchable portions to permit the hand to be manipulated readily.

Still another object of the invention is the provision of such a glove having stretchable portions with the stretchable portions in such positions where they do not interfere with the use of the fingers.

A further object is the provision of such a glove which, for the most part, is made of fine finish material and which has stretchable portions in positions in the glove where they are least noticeable.

Still another object of the invention is the provision of such a glove having stretchable portions with the stretchable portions so arranged as to stretch in the proper directions for most convenient bending of the fingers and hand.

With these and other objects in view, my invention consists in the construction, arrangement, and combination of the various parts of my device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, wherein:

Figure 1 is a perspective view of a glove made according to the present invention;

Figure 2 is a perspective view of the same glove viewed from a slightly different angle;

Figure 3 is a view taken on line 3—3 of Figure 1;

Figure 4 is a sectional view taken on line 4—4 of Figure 1;

Figure 5 is a sectional view taken on line 5—5 of Figure 1;

Figure 6 is a perspective view of a modified form of glove; and

Figure 7 is a sectional view taken on line 7—7 of Figure 6.

Referring now in detail to the drawings and particularly Figures 1 to 5, inclusive, the glove of the present invention comprises a back covering element 12 and a palm covering element 14. The

2

covering elements 12 and 14 may be any of a number of desired materials, such as cloth fabric which is preferably relatively non-stretchable. The covering elements 12 and 14 may also be made of leather or other material. The glove as illustrated herein is intended to cover the hand and a portion of the wrist and includes a wrist portion 16 and a main hand covering portion 18. Each of the covering elements 12 and 14 is provided with portions 20 formed integral therewith and adapted to cooperate with registering portions on the other covering element to form finger stalls. The finger stalls for convenience will be referred to by the reference numerals 22, 24, 26, and 28.

The back covering element 12 and palm covering element 14 may be an integral piece if desired, folded as indicated at 30 along the thumb edge of the hand. If desired, however, the two covering elements 12 and 14 can be made separate and sewed together along the thumb edge of the hand. A thumb stall 32 is stitched to the glove on the thumb edge in an opening formed in the glove proper for that purpose, as is usual in the manufacture of gloves. The portions 20 on the palm and backside of the forefinger stall 22 may also be integral when the covering elements 12 and 14 are integral.

Fourchettes 34 of relatively stretchable material are connected between the respective registering portions 20 of the back and palm covering elements of the glove. The fourchettes 34 are positioned along the sides of the finger stalls and extend from a point adjacent the tip of the respective fingers back to the joints between the fingers. The fourchettes 34 may be stitched in the customary manner. However, in the present construction, the seams formed by the stitching are inturned so as to present a fine finish appearance to the exterior of the glove. At the tips of the fingers beyond the outer ends of the fourchettes 34, the back and palm portions 20 of the finger stalls are preferably stitched together. If desired, the fourchettes 34 facing each other from adjacent finger stalls may be made of an integral piece. For example, the fourchettes 34 which face each other from finger stalls 22 and 24 may be made of a single piece, one portion extending from the tip of finger stall 22 down to the juncture between the finger stalls and then out to the tip of the finger stall 24. However, if it should be desired, these facing fourchettes may be made separable and stitched together at the juncture of the respective finger stalls. Since the outer or tip ends of the por-

tions 20 are stitched together, the individual fourchettes 34 are roughly of wedge shape formation.

As mentioned above, when the back and palm covering elements 12 and 14 are formed of an integral piece, the back and palm portions 20 of the finger stall 22 are integral and, therefore, a fourchette does not appear on the side of the forefinger stall 22 on the thumb edge of the hand.

The little finger stall 28 is formed with a fourchette 36 on the side of the finger along the edge of the hand opposite the thumb. This fourchette will be referred to as an outer fourchette. The outer fourchette 36 differs from the remaining fourchettes 34 in that the fourchette 36 does not terminate at the knuckle of the little finger. A strip of relatively stretchable material 38 continues from the fourchette 36 and is preferably integral therewith. The stretchable strip 38 forms a continuation of the fourchette 36 and extends along the edge of the hand opposite the thumb to the wrist portion. In conventional manufacture of gloves, the edge of the glove opposite the thumb is stitched and in the present instance the fourchette 36 and strip 38 are interposed in the seam usually formed along this edge of the hand.

The fourchettes 34 and 36 and the strip 38 all possess considerable stretchability as compared with the remainder of the glove. The material of the fourchettes 34, 36 and strip 38 is preferably one-way stretch material although it is to be understood that two-way stretch material may be employed. The fourchettes 34 and 36 are stretchable in directions transverse to the long dimension of the fingers and circumferentially of the fingers and the stretchable strip 38 being oriented in the same manner as the fourchette 36 is stretchable transverse to the long dimension of the hand or circumferentially of the hand.

The fourchettes 34 and 36 and the stretchable strip 38 may be made of any desired type of fabric possessing the desired stretchable characteristics.

The glove is, of course, designed to fit the hand snugly to present a finished appearance. The fourchettes 34 and 36 and the flexible strip 38 being stretchable tend to retain the glove in snug position on the hand. However, when the fingers are bent, the fourchettes 34 and 36 yield to permit the portions of the finger stalls to follow the fingers in the bending movements. Similarly, the stretchable strip 38 permits bending or clenching of the whole hand by yielding to permit the portions of the glove to conform to the different shapes of the hand. The direction of stretching of the fourchettes 34 and 36 and the flexible strip 38 being transverse to the long dimension of the hand permits greater flexibility of the glove.

The thumb stall 32 in the present instance is not provided with stretchable portions since the thumb is not bent as often as are the fingers in manipulating the hand. However, the provision of stretchable portions in the thumb stall is to be considered within the scope of the present invention. Usually the back and palm covering elements 12 and 14 are made of finer finish material than are the stretchable portions due to the inherent structure of stretchable material. The disposition of the stretchable portions on the sides of the finger stalls and along the edge of the hand do not materially detract from the general overall fine finish appearance of the glove presented by the back and palm covering elements.

Figures 6 and 7 illustrate a slightly modified form of glove. In the present instance, the back and palm covering elements 12 and 14 are made of separate pieces. A fourchette 40 is interposed on the outside of the forefinger stall on the thumb edge of the hand. The fourchette 40 continues in the form of a stretchable strip 42 along the thumb edge of the hand and terminates at the wrist portion of the glove. The strip 42 and fourchette 40 are preferably formed of an integral piece. Similar to the previous embodiment, the fourchette 40 and strip 42 are stretchable in directions circumferentially of the hand. The remainder of the glove illustrated in Figures 6 and 7 is constructed in a manner similarly to the previously described glove including the fourchette 36 and stretchable strip 38 along the edge of the glove opposite the thumb.

Some changes may be made in the construction and arrangement of the parts of my glove without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims such modified forms of structure or use of equivalents as may be reasonably included within their scope.

I claim as my invention:

1. A glove comprising palm and back covering elements of relatively non-stretchable material, said elements having registering portions cooperable in forming finger stalls, fourchette elements of relatively stretchable material connected between respective registering finger stall elements, one of said fourchette elements being positioned on the outer side of the finger stall adjacent one edge of the hand, and a strip of relatively stretchable material connected between said covering elements along said edge of the hand, said stretchable strip forming a continuation of said one fourchette element and extending therefrom along said edge of the hand to the wrist portion of the glove.

2. A glove comprising palm and back covering elements of relatively non-stretchable material, said elements having registering portions cooperable in forming finger stalls, fourchette elements of relatively stretchable material connected between respective registering finger stall elements, one of said fourchette elements being positioned on the outer side of the finger stall adjacent one edge of the hand, and a strip of relatively stretchable material connected between said covering elements along said edge of the hand, said stretchable strip forming a continuation of said one fourchette element and extending therefrom along said edge of the hand to the wrist portion of the glove, said fourchette elements being stretchable in directions circumferentially of the respective finger stalls, and said stretchable strip being stretchable in directions circumferentially of the hand.

3. A glove comprising palm and back covering elements of relatively non-stretchable material, said elements having registering portions cooperable in forming finger stalls, fourchette elements of relatively stretchable material connected between respective registering finger stall elements, one of said fourchette elements being positioned on the outer side of the finger stall adjacent each of the opposite edges of the hand, said ones of said fourchette elements forming outer fourchette elements, and a strip of relatively stretchable material connected between said cov-

ering elements along each of said opposite edges of the hand, said stretchable strips forming continuations of said outer fourchette elements and extending therefrom along the respective edges of the hand to the wrist portion of the glove, all of said fourchette elements being stretchable in directions circumferentially of the respective finger stalls, and said stretchable strips being stretchable in directions circumferentially of the hand.

HILMA ELIZABETH LINDFELT.

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