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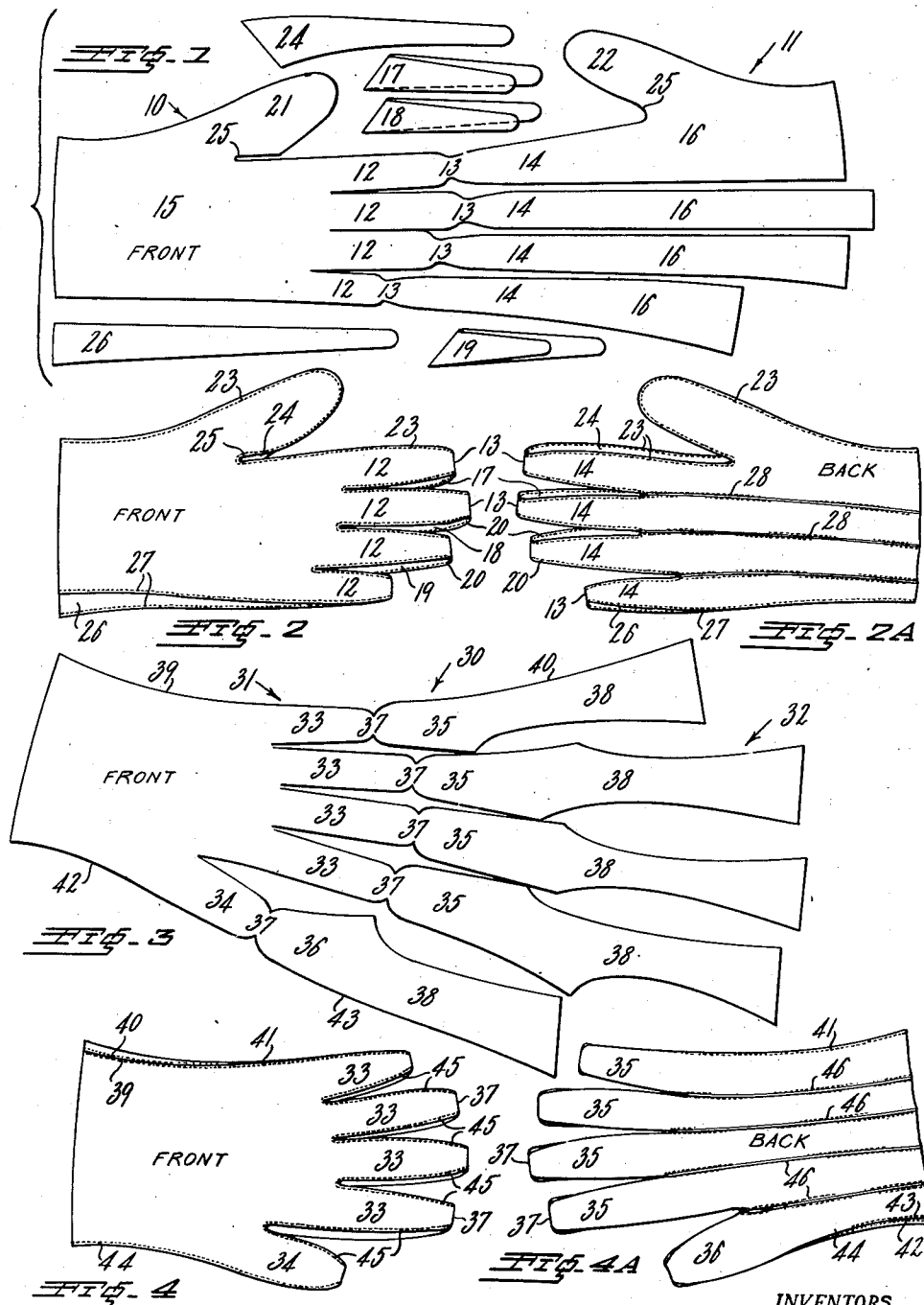
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GLOVE CONSTRUCTION

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2 Sheets-Sheet 1



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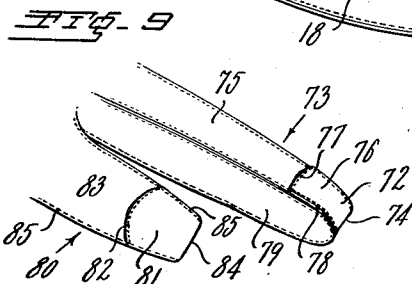
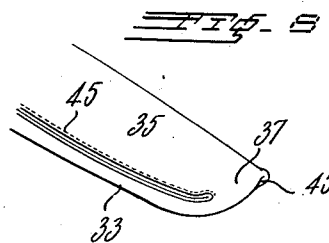
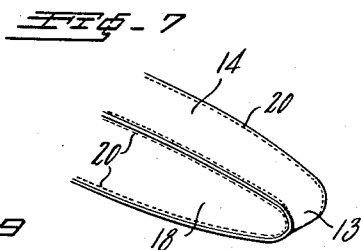
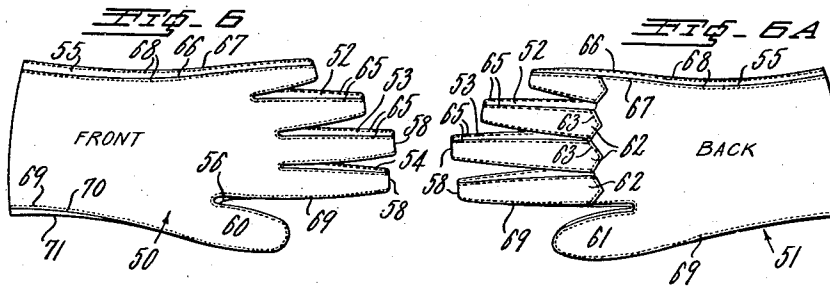
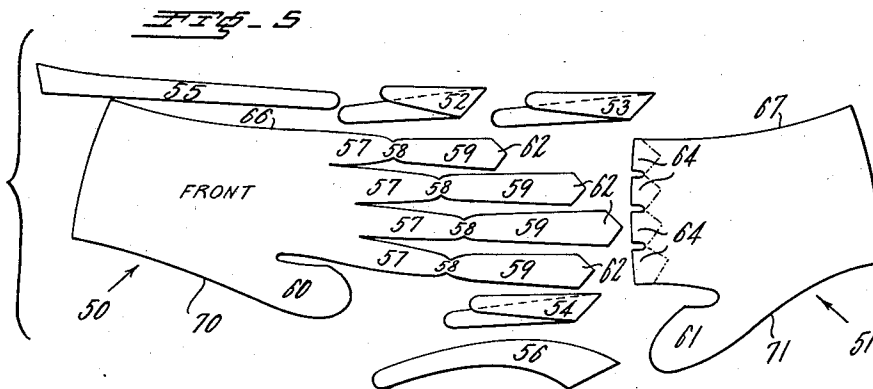
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2 Sheets-Sheet 2



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GLOVE CONSTRUCTION

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7 Claims. (Cl. 2-169)

The present invention relates to glove constructions, the principal object being to simplify the formation of the patterns or blanks from which the gloves are fabricated, and to provide improvements particularly in the region of the finger tips whereby the natural touch of the wearer's fingers is not interfered with to any appreciable extent through the material of the gloves, and the finger tips of the gloves are strengthened.

Heretofore it has been the practice in producing a glove from blanks shaped so as to require the finger portions to be sewed completely around the tip ends, to close the ends. Such sewing produced seams and gathering of the material at the tips of the fingers producing a boxed-in feeling and not allowing sufficient freedom over the nails for comfort. Long finger nails caused considerable wear against the sewed seams, and opened the ends thereof.

We have overcome the foregoing disadvantages by producing glove patterns so as to require no sewing at the tips of the finger portions. In our finished glove, a smooth uninterrupted surfacing is afforded over the finger tips, insuring natural touch through the material of the glove, and giving sufficient room and stronger resistance to tear due to nails. The elimination of the sewing operation at the finger tips, and simplification of the patterns, also reduces the work required to assemble the glove parts, and in general produces a more satisfactory glove from both the standpoint of manufacture and wear.

Other objects, features, and advantages of our present invention will appear as the description proceeds, reference being made to the accompanying drawings in which:

Fig. 1 is a group view of blank parts of a glove comprising one form of our invention.

Figs. 2 and 2A illustrate front and back views respectively of a glove fabricated from the blanks of Fig. 1.

Fig. 3 is a single blank comprising a modification of our invention.

Figs. 4 and 4A are views of the front and back of a glove made from the blank of Fig. 3.

Fig. 5 is a group of blank parts comprising a further modification.

Figs. 6 and 6A are views of the front and the back of a glove made from the blanks of Fig. 5.

Fig. 7 illustrates in perspective the end portions of the fingers of Fig. 2 glove.

Fig. 8 is a similar view of the end portion of the fingers of the glove of Fig. 4.

Fig. 9 is still a further modified form for the glove of our present invention.

Fig. 1 illustrates a patterned blank for the glove of Fig. 2, and consists of a front section 10, and back section 11 in a unitary piece. Front section 10 carries finger portions 12 reduced at the points 13, and continued in the form of strips 14 which form both the back 11 of the glove and the backs of the finger portions. In fabrication of the glove, strips 14 of back section 11 are folded over at the reduced points 13 so as to face the corresponding finger portions 12 of front section 10 and to bring palm 15 opposite back portions 16. Suitable filling pieces such as the fourchettes or gussets 17, 18 and 19 are provided in the spaces between the fingers, being secured in place as by stitches 20 and closing the sides of the fingers.

A thumb portion 21 of section 10 faces a similar thumb portion 22 of section 11, and they are sewn together by stitches 23 which also connect the side edges of the first finger of the glove to a fourchette or gusset 24, as will be readily understood from Figs. 2 and 2A. A similar fourchette or gusset 26 is secured by stitches 27 at the side of the glove opposite from thumb portion 21. Side edges of back portions 16 of strips 14 are sewn together by stitches 28, forming a ribbed back.

The glove thus produced is free of stitches at the tips of the fingers defined by the folded reduced portions 13. The absence of stitching at the tip ends of the glove fingers allows more freedom for the finger tips and nails of one's hand, eliminating the usual boxed-in feeling and bulkiness of gloves sewed thereto. The smooth and clear finger tips of the invention glove permit natural touch to be had through the material of the glove, and are more resistant to tearing due to nails and other causes. In the described glove, front portions 12 of the fingers may be made wider than the backs of the finger portions, thereby giving added freedom adjacent the bottom of the finger tips of the wearer's hand. In Fig. 7 the construction of one of the finger tips of this glove is shown in perspective illustrating the folded end forming the tips of the fingers.

In the embodiment of our invention shown in Figs. 4 and 4A, the glove is made entirely of a single pattern or blank 30 seen in Fig. 3. This blank includes a front section 31 and a back section 32 in which the tip ends of all of the finger portions 33 and the thumb 34 are merged with corresponding finger portions 35 and a thumb 36 of section 32 by webs 37. Webs 37 are the sections for folding in the making of the glove, to form the finger tips. It will be noted in this glove construction that the finger portions 35 of back 55 section 32 are of greater width than finger por-

tions 33 of front section 31. It is also seen that portions 35 are continued rearward in the form of extensions or strips 38.

After folding the glove material at the webs 37, sections 31 and 32 are faced toward each other, and their outer edges 39 and 40 sewn together by stitches 41. At the opposite thumb side of the glove, the outer edges 42 and 43 are sewn together by stitches 44. The margins of the wide portions 35 extend between the fingers and are sewn to the narrower portions 33 by stitches 45, thereby dispensing with the use of fourchettes. The opposing edges of strips 38 are sewn together by stitches 46, producing a ribbed back. The glove of Figs. 4 and 4A permits freedom at the finger tips, and provides adequate knuckle room by reason of the fullness of the finger covering portions 35 in the region of the knuckles, as will be apparent in the figures. Fig. 8 illustrates in perspective the finger tip 37 construction of such glove.

A third form of the glove is illustrated in Figs. 6 and 6A. This latter glove is made from patterns as depicted in Fig. 5, comprising a front section 50, back section 51, fourchettes 52, 53, 54, side piece or fourchette 55, and thumb fourchette 56. Front section 50 is formed in one piece, with front finger portions 57 connected by webs 58 to back finger portions 59, and also contains a thumb portion 60. Back section 51 has a thumb portion 61. Finger portions 57 and 59 of section 50 are folded over at webs 58 to form stitch-free finger tips for the glove. Ends 62 of finger portions 59 are secured as by stitches 63 to back section 51 over short extensions 64 adjacent the knuckle portions. Extensions 64 may be made longer if desired, and finger portions 59 correspondingly shorter, to locate the stitched connections between the parts at any point between the tips or webs 58 and back section 51.

Fourchettes 52, 53 and 54 are sewn to opposite edges of finger portions 57 and 59 by stitches 65. Side piece 55 is secured to glove edges 66 and 67 by stitches 68, while thumb gusset 56 is fastened to the edges of the first finger and the thumb portion 60 by a line of stitches 69. This also secures the edges of thumb portions 60, 61 and side edges 70, 71. The finger tips of this glove are produced by folding as illustrated in Fig. 7.

Fig. 9 which is a modification of Figs. 6 and 6A, shows a still further embodiment of the invention and illustrates by way of example its application to the thumb and index finger of the left hand. In this form of construction the material 72 of the front of a finger 73 is folded over as before to produce a finger tip 74. The folded over material 72 may extend over the back 75 of the finger to any point between tip 74 and the base of the finger. In the present example the extension of material 72 is in the form of a flap 76 terminating at a point slightly rearward of the finger tip and sewed to back portion 75 by transverse stitches 77. Stitches 78 connect the sides of flap 76 and the front and back portions of the finger to opposite gussets 79. The thumb portion 80 of the glove may be made without gussets and provided with a folded over flap 81 in a similar way to that of finger 73. Stitches 82 connect the end of flap 81 to the back 83 providing a folded tip 84. The side edges of the thumb portions and flap 81 are finished by opposite lines of stitches 85.

If desired, the flaps shown at 76 and 81 may be formed on the reverse side of the glove, that is, formed as extensions of the backs of the finger and thumb portions instead of the fronts thereof.

In the latter case they will terminate at a point along the fronts of the finger portions, as for instance at the inside bends of the fingers so as not to interfere with objects grasped by the fingers and retain the natural finger-tip touch. It is also to be understood that the extensions or overlapping portions indicated at 76 and 81 in Fig. 9 may extend even less than as shown in Fig. 9. In other words, the transverse stitching corresponding to 77 and 82 of the glove of Fig. 9, may be located near to the finger tip portion 74 and 84 of the glove. Also, the extending flaps may originate either from the front or back sections of the glove. Thus a completed well appearing glove will result that retains the natural touch common to the other modifications of the invention, and also the enhanced resistance to punctures and wear at the fingernail sections.

It is seen from the invention embodiments that the finger tips of the gloves are formed by folds free of stitches, and that the natural touch referred to also is a feature common to all. It is also apparent that less labor is required to produce such gloves due to the simplicity of the patterns, and the reduction in the amount of sewing requisite to join the glove parts together. It is to be understood that our invention is not limited to the details of structure described herein, but may be embodied in various other forms and modifications, without departing from the broader spirit and scope of the invention as defined in the appended claims.

What we claim is:

1. A hand conforming tailored glove comprising a palm portion having finger pieces integral therewith and extending therefrom, said finger pieces being of different lengths and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a back section integrally united to and coextensive with the front section; said finger pieces each being folded over with each back section superposed on and secured to the longitudinal edges of its associated front section to provide a hand conforming glove having seamless finger tips and fingers conforming a length to each of the fingers of the hand.

2. A hand conforming tailored glove comprising a palm portion having finger pieces integral therewith and extending therefrom, said finger pieces being of different lengths and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a back section integrally united and coextensive with the front section by a reduced width web; said finger pieces each being folded over at said web with each back section superposed on and secured to the longitudinal edges of its associated front section to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand.

3. A hand conforming tailored glove comprising a palm portion having finger pieces integral therewith and extending therefrom, said finger pieces being of different length and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a back section integrally united to and coextensive with the front section; said finger pieces each being folded over with each back

section superposed on and secured to the longitudinal edges of its associated front section by fourchettes to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand.

4. A hand conforming tailored glove comprising a palm portion having finger pieces integral therewith and extending therefrom, said finger pieces being of different lengths and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a longer back section integrally united to the front section by a reduced width web portion, said finger pieces each being folded at said web portion with each back section superposed on and secured along a corresponding portion of its length to the longitudinal edges of its associated front section, and along the remainder of its length to adjacent back sections to form a ribbed back secured at its edges to said palm portion; to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand.

5. A hand conforming tailored glove comprising a palm portion having finger pieces and a thumb front section integral therewith and extending therefrom; said finger pieces being of different lengths and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a longer back section integrally united to the front section by a reduced width web portion, said finger pieces each being folded at said web portion with each back section superposed on and secured to the longitudinal edges of its associated front section; the back section of the index finger piece having a thumb back section integral therewith and secured to said thumb front section; to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand.

6. A hand conforming tailored glove compris-

ing a palm portion having finger pieces and a thumb piece integral therewith and extending therefrom; said finger pieces and said thumb piece being of different lengths and being separated from each other throughout their lengths; each finger piece and said thumb piece comprising a front section substantially equal in length to its corresponding finger or thumb and a back section integrally united to the front section by a reduced width web and including integral fourchettes; said pieces each being folded at said web with each back section superposed on and secured by said fourchettes to the longitudinal edges of its associated front section to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand, and a seamless thumb tip and a thumb conforming in length of the thumb of the hand.

7. A hand conforming tailored glove comprising a palm portion having finger pieces and a thumb piece integral therewith and extending therefrom; said finger pieces and said thumb piece being of differing lengths and being separated from each other throughout their lengths; each finger piece and said thumb piece comprising a front section substantially equal in length to its corresponding finger or thumb and a back section integrally united to and extending from the front section; said pieces each being folded over with each back section superposed on and secured to the longitudinal edges of its associated front section; and a back portion having short projections secured to each of said back sections; said back portion being secured at its longitudinal edges to said palm portion; to provide a hand conforming glove having seamless finger tips and fingers conforming in length to each of the fingers of the hand, and a seamless thumb tip and a thumb conforming in length to the thumb of the hand.

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