

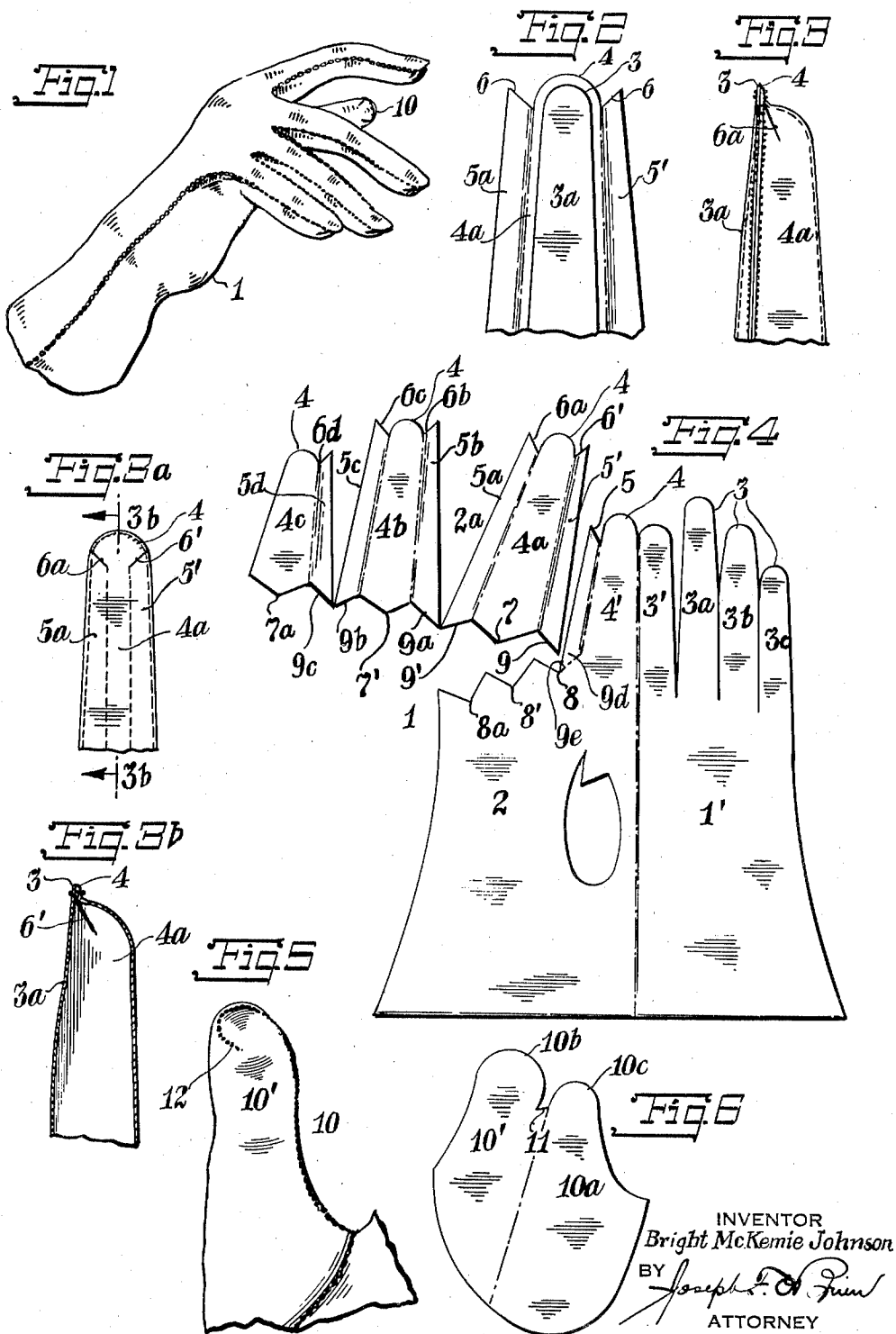
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GLOVE CONSTRUCTION

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GLOVE CONSTRUCTION

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This invention relates to improvements in glove construction.

Heretofore, gloves have usually been constructed from a folded blank having palm and back finger-sections and separate fourchettes connecting such palm and back sections or, when made without fourchettes, have been so formed and so provided with seams as to cause the finger portions to comprise mere projecting cylindrical members without resemblance to the fingers over which they extend.

It is one of the objects of this invention to produce a glove having finger and thumb portions comprising back and palm sections composed of relatively narrow and short back sections; and relatively wider and longer palm sections each provided with integral laterally-extending wing-like fourchette sections quadrilateral in conformation with short gusset portions at tip and base, and which, when connected, closely simulate the back and palm sections of the skin of the hand.

Another object of my invention is to connect said sections together by a continuous seam extending along the edges of the relatively narrow back section and across the tip and also by short gusset or dart seams at the tips and base portions thereby providing glove fingers which will closely fit the hand at the base of the fingers and over the ball or cushion of the finger tips and in which the single continuous longitudinal seam between the palm and back portions will extend along the edge of a relatively narrow back finger portion and will, when it reaches the tips, project outwardly at such tips of the fingers to register with the finger nail.

Another object of my invention is to provide the palm section of the fingers of longer length than the back section to enable a bending inwardly and the connection of the body portion of the palm section to the gusset portions in a diagonally-disposed gusset seam so that tip arcuate portions of the back and palm members may be fastened together in a seam projecting outwardly to simulate a finger-nail or finger-nail portion of the hand.

Still another object of my invention is the use, at the base of the body portions, of gusset bottoms also of angular conformation so as to enable a snug fit at the base portions of the fingers at the palm thereof.

With these and other objects in view, the invention comprises the combination of members and arrangement of parts so combined as to co-act and co-operate with each other in the performance of the functions and the accomplish-

ment of the results herein contemplated, and comprises in one of its adaptations the species or preferred form illustrated in the accompanying drawing, in which:

Fig. 1 is a view in perspective of a glove embodying my invention on the hand of a wearer;

Fig. 2 is a view in back elevation of a back section and palm section of a finger member initially positioned in relation to each other before bending of the integral fourchettes and fastening;

Fig. 3 is a fragmentary view in side elevation of a glove finger after the back and palm sections shown in Fig. 2 have been fastened together;

Fig. 3^a is a fragmentary view from the palm side of a glove finger similar to the finger shown in Fig. 3;

Fig. 3^b is a central longitudinal section on the line 3^b—3^b of Fig. 3^a, looking in the direction of the arrows;

Fig. 4 is a view in plan of a two-part blank adapted to be used in the manufacture of my improved glove;

Fig. 5 is a view in perspective of the thumb after formation thereof; and

Fig. 6 is a similar view in plan of the blank for the thumb portion to be employed in the making of my glove.

Referring now to the drawing which illustrates a preferred embodiment of my invention, I indicate a two-piece glove blank comprising a main piece having back and palm glove parts 1' and 2 and finger-piece 2^a comprising palm finger-sections only. The back part 1' has an integral finger portion 3 including individual finger-sections 3', 3^a, 3^b, and 3^c which, it will be seen, are relatively short and narrow in relation to palm finger-sections 4, the forefinger 4' of which palm finger-sections is integral with the palm part 2 of the main piece and the other palm finger-sections 4^a, 4^b and 4^c are embodied in the piece 2^a. All of the palm finger-sections are relatively wider and longer in relation to the back finger-sections 3 of the back part 1'. The finger back-sections comprise an index-finger back-section 3', a middle-finger back-section 3^a, a ring-finger back-section 3^b and a little-finger back-section 3^c, and the palm sections comprise an index-finger palm-section 4', a middle-finger palm-section 4^a, a ring-finger palm-section 4^b and a little-finger palm-section 4^c. Each of the palm-finger-sections is provided with at least one integral fourchette portion, the intermediate fingers being provided with fourchette portions at both edges while the outside finger-sections have such four-

chette portions at one edge only. Thus comprised, the finger palm-sections have body portions indicated by 4', 4^a, 4^b and 4^c and 5, 5', 5^a, 5^b, 5^c, and 5^d indicate the six fourchette portions for all the said palm finger-sections. Each tip of a body portion is arcuate in conformation and darts are formed between such arcuate tips and each integral fourchette portion, in order to enable an inward bending and the provision of a spherical segment at the tip and thus to provide a proper fit on the finger at the tip. These darts provide a series of integral gussets 6, 6', 6^a, 6^b, 6^c, and 6^d on the integral fourchettes, the integral fourchette of the intermediate finger sections having two of these gussets and one each preferably being used for single integral fourchette portions of the outer index or forefinger and for the little finger. The palm finger-sections are, as aforesaid, longer and wider than the back finger-sections, so that the tip portions of the palm section may be bent inwardly and the edges of the body portion of the palm section at 4 sewn to the edges 5 of the gusset 6 on the integral fourchette to provide a segment of a sphere and a neat fit over the ball portion of the finger tip, the arcuate tip portion of the palm section being then brought upwardly into contact with the arcuate tip of the substantially straight and flat finger back-section. Gussets are thus positioned between these integral fourchette portions and the arcuate finger tips of the body portions and an angular space or dart is provided between each integral gusset and the arcuate tip of the body portion of a palm section, which angular dart or cut-out section of the blank is closed to produce the aforesaid spherical segment.

The base of each of the body portions of the separate palm finger sections is likewise provided with centrally-positioned projecting base portions 7, 7', 7^a preferably angular in conformation and adapted to fit into similarly shaped notches 8, 8' and 8^a in the member 2, and each of the bottom portions of the integral fourchettes is also provided with angularly-disposed integral gussets 9, 9', 9^a, 9^b, 9^c, and 9^d. The gusset 9^d at the bottom of the fourchette 5 is formed by making an angular cut 9^e downwardly into the palm part 2 of the glove, thus producing said gusset and releasing the bottom of the fourchette 5. It will be noted that the opposite edge of the cut 9^e forms one side or leg of the angular notch 8 into which the angular projection 7 of the middle finger fits. The other angular notched portions 8', 8^a connect with the angular centrally-disposed base portions. These lower gusset portions enable the fitting of the glove at the web portion between the fingers, and provide means for obtaining a close fit therewith at this portion of the hand.

The thumb 10 of the glove is likewise cut to provide a palm portion 10' which is longer and wider than the back thumb portion 10^a, the two members being joined together and having arcuate tip edge-portions 10^b and 10^c, and in the preferred embodiment of my invention, a downwardly-extending angular dart 11 is cut from the arcuate edge 10^c of the back portion into the tip edge of the palm thumb-section so as to provide, between the back and palm portions, an integral fourchette portion providing, at the tip, a dart seam 12 and thus enabling the turning down of the longer tip portion of the palm section to provide the spherical segment for the ball of the thumb and to enable the projecting nail seam to be made on the thumb. A good fit can thus be obtained which will simulate the actual

shape of the thumb and thumb nail thereon, and the seam will be positioned at the tip over the nail in the same relationship as said seam appears on the other fingers of the hand. A well-fitting glove is thus produced.

It will be seen that I have formed a glove from a blank embodying back and palm portions provided with finger-sections, each of the palm finger-sections having body portions longer and wider than the back sections and each of said palm portions having at least one integral fourchette of trapeziform conformation so as to provide, at the top and base of said finger sections, darts and gussets, as hereinabove stated, said back and palm finger sections being connected together by longitudinal and top seams between the fourchette edges and said back sections positioned along the edge of the back portions and said integral fourchettes at the top being connected by dart seams to the body portion of the said palm section. It will be understood that these trapeziform integral fourchettes on the palm finger-sections will, when the palm sections are bent inwardly, enable the formation of tapering fingers for the glove and also to provide a neat fit at all parts of the fingers, i. e., at the base, middle and tip portions thereof.

Having described my invention, I claim:

1. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, each palm section being composed of a body portion and at least one integral fourchette portion having, at the top portion, a dart intermediate said body and fourchette portions, said integral fourchette portion of the palm sections being connected to the body portions of the back sections by main seams extending along the side edge and top of the relatively narrow back section and the top edges of the integral fourchette portions being connected to the body portion of the palm section by at least one dart seam for each finger extending outwardly from said main seams.

2. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, each palm section being composed of a body portion and at least one integral fourchette of trapezium conformation to provide a dart intermediate said body and fourchette portions, said integral fourchette portions being connected to the body portions of the back sections by main seams extending along the side edge and top of the relatively narrow back section and the top edges of the integral fourchette portions being connected to the body portion of the palm section by at least one dart seam for each finger extending diagonally of said main seams.

3. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, each palm section being composed of a body portion and at least one integral fourchette portion having, at the top portion, a dart intermediate said body and fourchette portions, said integral fourchette portion of the palm sections being connected to the body portions of the back sections by main seams extending along the side edge and top of the relatively narrow back section and the top edges of the integral fourchette portions being connected to the body

portion of the palm section by at least one dart seam for each finger extending outwardly from said main seams, the bottom portion of the finger comprising an angular gusset formed by making an angular cut into the palm portion of the glove and a part of the base portion of the middle-finger being connected to the edge of the said gusset-forming cut.

4. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, each palm section being composed of a body portion and at least one integral fourchette portion having, at the top portion, a dart intermediate said body and fourchette portions, also having, at the base section intermediate said body portion and fourchette portions, an angularly-disposed cut, said integral fourchette portion of the palm sections being connected to the body portions of the back sections by main seams extending along the side edge and top of the relatively narrow back section and the top edges of the integral fourchette portions being connected to the body portion of the palm section and also at the base portion by diagonal seams at the base and tip portions of each finger.

5. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, said palm and back finger-sections having intermediate the same at least one fourchette of quadrilateral conformation, said fourchettes being connected to the body portions of the back and palm sections by main seams along the side edges of said quadrilateral fourchettes and being connected at the tips and bases of the fingers by diagonal seams at the end edges of said quadrilateral fourchettes.

6. A glove formed from a blank embodying back and palm portions comprising back and palm finger-sections, said palm sections being longer and wider than the back sections, said palm and back finger-sections having intermediate the same at least one fourchette of trapezium conformation, said fourchettes being connected to the body portions of the back and palm sections by main seams along the side edges of said trapeziform fourchettes and being connected at the tips and bases of the fingers by diagonal seams at the end edges of said trapezium-shaped fourchettes.

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