United States Patent [19]

Komatsu

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[45] **Sept. 25, 1973**

[54] **METHOD OF MAKING LEATHER GLOVES**

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[21] Appl. No.: **180,263**

[52] **U.S. Cl.** **2/169**
[51] **Int. Cl.** **A41d 19/02**
[58] **Field of Search** 2/159, 169, 163, 2/161

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Primary Examiner—Geo. V. Larkin
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[57] **ABSTRACT**

A method of making leather gloves with no seams visible on the palm side of the gloves. This is accomplished by first cutting the following leather pieces: a single piece of leather for the palm and for each of the five fingers, the finger pieces being wider than one half the circumference of the fingers; a piece of leather for the back side comprising the four fingers, foreginger to little finger, and fourchettes having a side of each finger being formed with adjustments.

3 Claims, 15 Drawing Figures

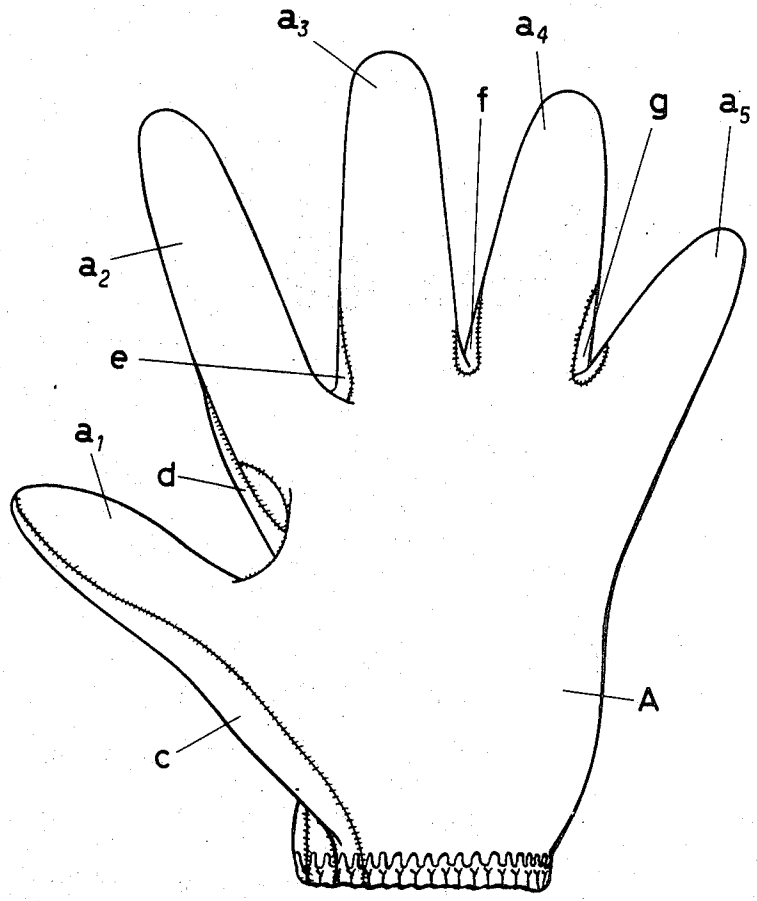


FIG. 1

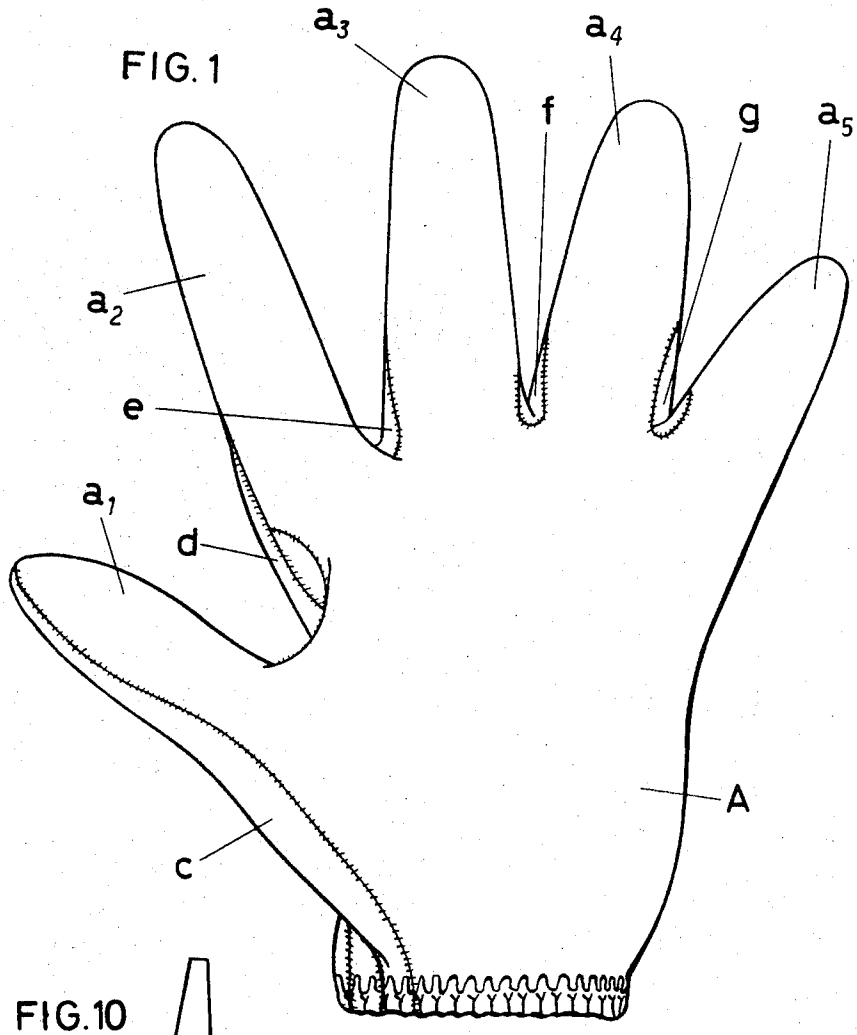
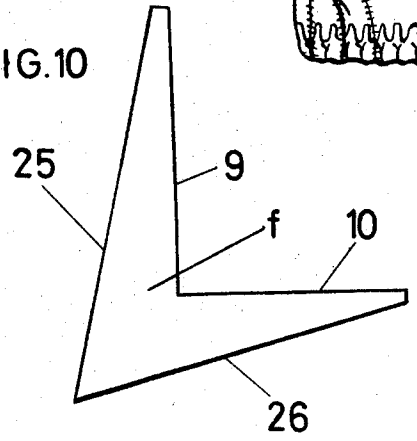


FIG. 10



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FIG. 2

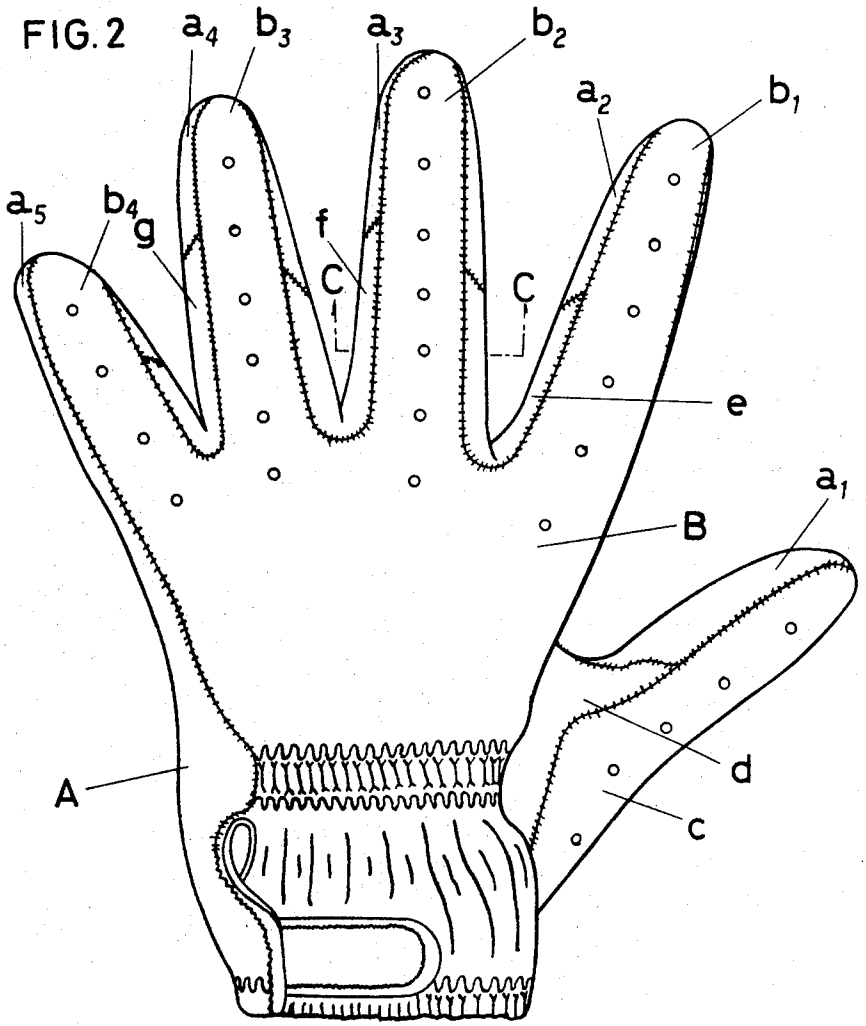
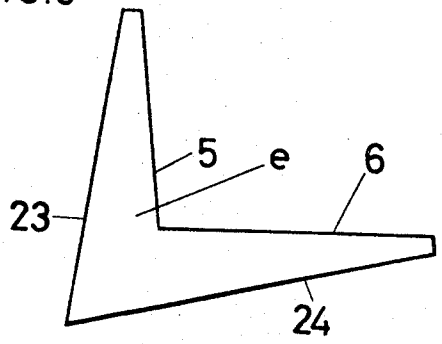


FIG. 9



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FIG. 4

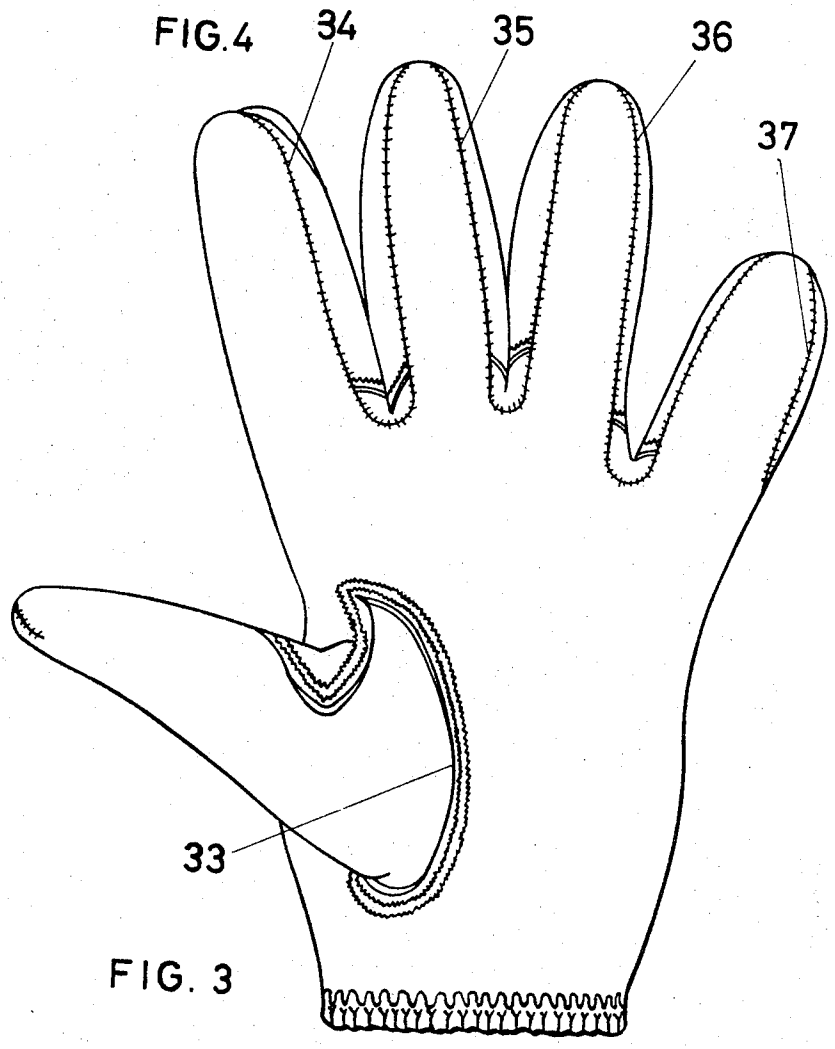
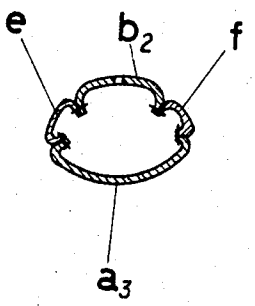


FIG. 3



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FIG. 5

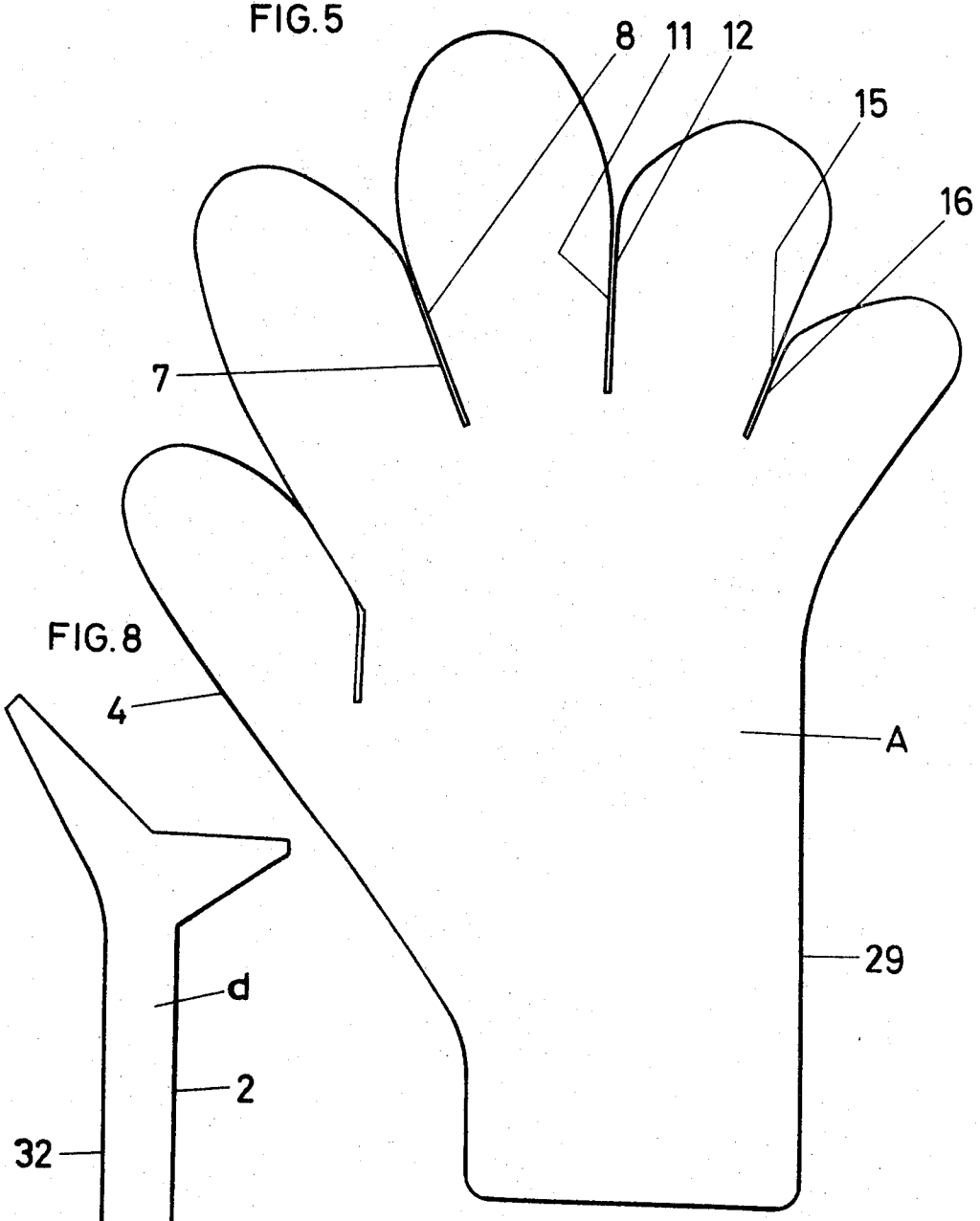


FIG. 8

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FIG. 6

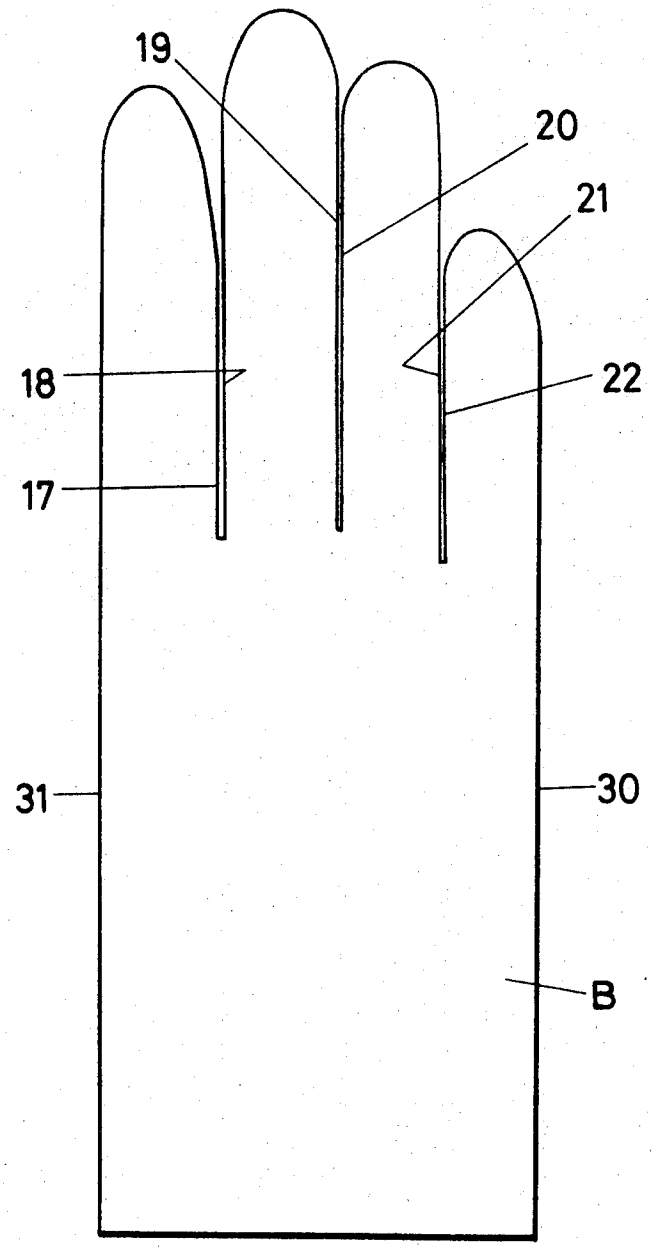
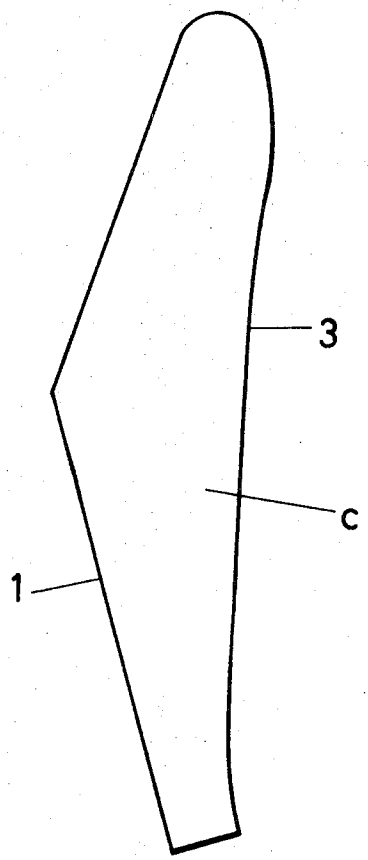


FIG. 7



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FIG.13

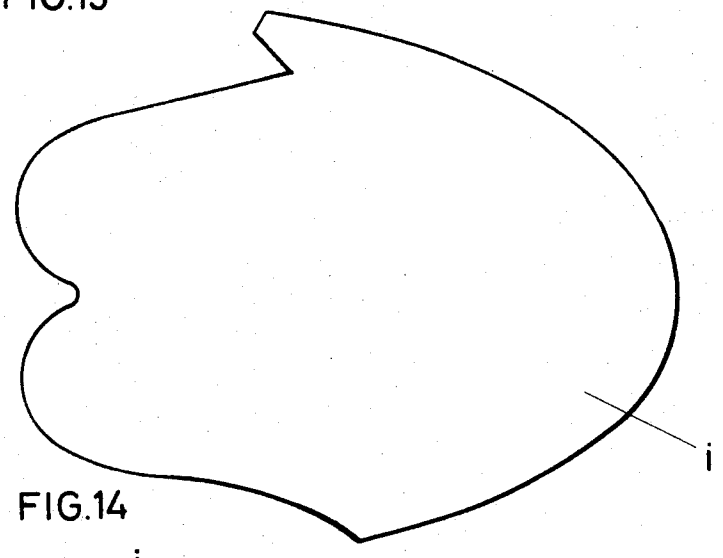


FIG.14

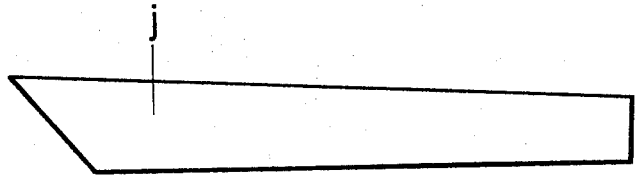


FIG.15

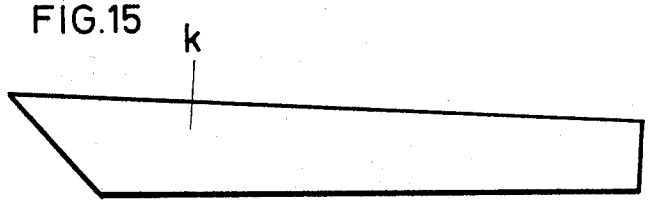
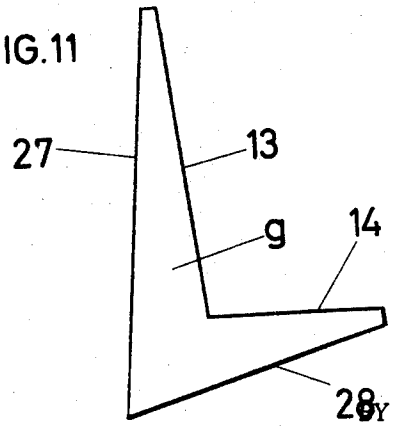


FIG.11

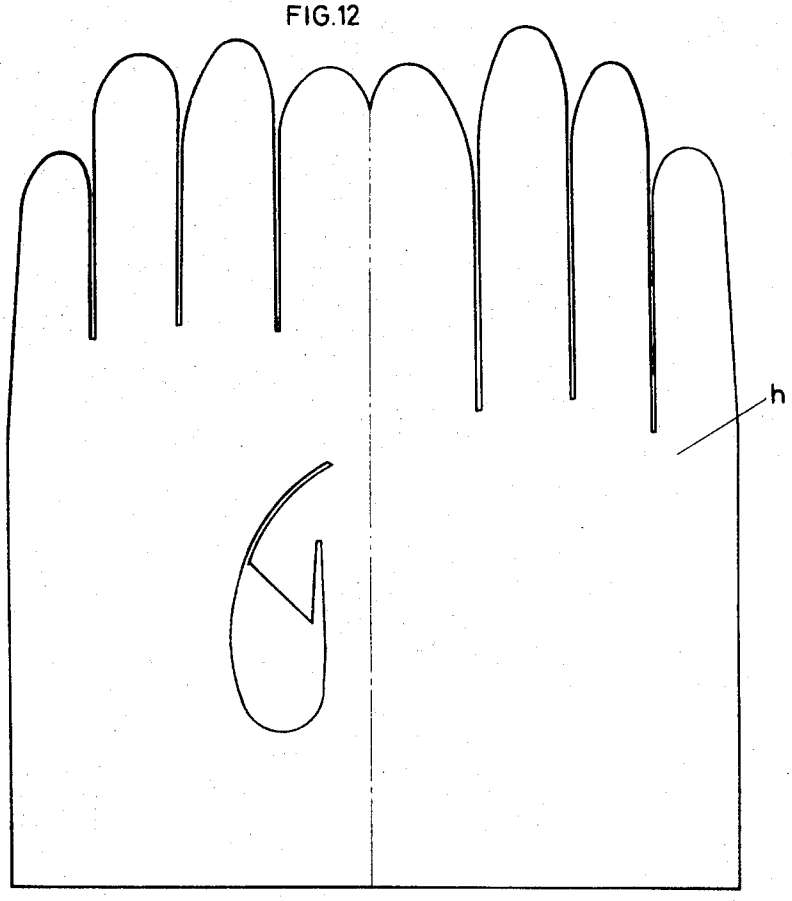


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FIG.12



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METHOD OF MAKING LEATHER GLOVES

BACKGROUND OF THE INVENTION

This invention relates to a method of making leather gloves with no seams visible on the palm side of the gloves. Though it is known that conventional gloves made of wool or rubber materials are seamless or jointless on the palm side, such result has heretofore not been possible with leather gloves.

It is often the practice that people grasp things with gloves on and therefore it is clearly preferred that the palm side of the gloves be seamless or jointless. However, it is impossible, from the present level of the art of cutting and sewing, to get rid of such seams from the palm side.

In case of gloves used for playing golf, for example, the game results may depend on the manner of gripping the club. It is evident that any presence of seams can greatly influence the results.

Conventional leather gloves, which have a separate leather cut for the part of thumb, makes it inevitable that the seams appear on the inner surface of the thumb. In order to eliminate such inconveniences as mentioned above, therefore, I have invented a novel method of making leather gloves having such seams removed from the palm side thereof. This method is based on a pattern made in such a manner so that the seams each finger are made on the back side of the gloves and the leather for the palm, the fingers and the thumb are cut together in one piece.

BRIEF SUMMARY OF THE INVENTION

This invention is concerned with a method of making leather gloves wherein the palm side of the said gloves is seamless, based on a novel method of sewing together as well as an improved method of cutting each of the leather pieces. The present invention features a method of making leather gloves comprising the steps of having a piece of leather for each finger formed to be wider than one-half the circumference of each finger; of cutting along a prescribed paper pattern a piece of leather for the palm side with the inner surface of a thumb combined therewith, a piece of leather for four fingers, forefinger to little finger, on the back side, and a piece of leather used for a fourchette to correctly form a side between adjacent finger portions; and of first sewing together the palm-side leather with the fourchettes successively from the thumb to the little finger and then adjusting the shape of the gloves after a successive sewing together of the said back-side leather and the said fourchettes from the thumb to the little finger. According to the invention, in other words, no such seams on the part of the thumb appear on the palm side, as the inner surface of the thumb is combined with the piece of leather for the palm side, both of them being cut together. Another feature of the invention is that the part corresponding to each finger on the palm side is made wider than one-half the circumference of each finger. As a result, the seams on each finger are made nearer to the back side than the side of each finger resulting in the absence of such seams on the palm side, thereby causing no interference whatsoever on said seams when objects are held with the invented gloves on. According to the invention, furthermore, it is possible to minimize any irregularities that may arise at time of sewing, as the pieces of leather for the back side are successively sewn together after a

successive sewing of the corresponding pieces of leather for the palm with the fourchettes.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF DRAWINGS

FIG. 1 shows a glove of this invention seen from the palm side thereof.

FIG. 2 shows the same seen from the back side thereof.

FIG. 3 shows a sectional view taken along line C — C of FIG. 2, showing how the parts of the fingers are sewn together.

FIG. 4 shows a conventional prior art glove seen from the palm side thereof.

FIG. 5 shows a front view of a piece of leather for the palm side, to be used in the invention.

FIG. 6 shows the same of a piece of leather for the back side.

FIGS. 7 to 11 show fourchettes between each finger which are used in the invention, FIG. 7 showing a front view of a fourchette for the inner surface of the thumb, FIG. 8 the same between the thumb and the forefinger, FIG. 9 the same between the forefinger and the middle finger, FIG. 10 the same between the middle and the third fingers, and FIG. 11 the same between the third and the little fingers.

FIGS. 12 to 15 show a conventional glove in current use, FIG. 12 showing a front view of the pieces of leather for the palm and back thereof, FIG. 13 the same for the thumb, and FIG. 14 the same for fourchettes between the fingers.

DETAILED DESCRIPTION OF THE INVENTION

As briefly described above, this invention relates to a method of making leather gloves having no seams whatsoever visible on the palm side thereof. More specifically, it is intended that a piece of leather for each finger is made wider than one-half the circumference of each finger while the pieces of leather for the palm side and the inner surface of the thumb are combined together in one piece in order to prevent seams from appearing on the palm side of the gloves.

Another feature of the invention is of preventing any possible irregularities that may arise at the time of sewing together the various pieces of leather. This is accomplished by a sewing operation in which the thumb portion and the four finger portions of the palm-side are first sewn with corresponding fourchettes from the thumb portion to the little finger portion and the palm finger portions are then sewn with the back finger portions in the same manner. Referring now to the drawings, along a prescribed paper pattern is cut a leather blank for the palm side A having pieces of leather for the five fingers, *a*1, *a*2, *a*3, *a*4, *a*5. These finger pieces are made wider than one-half the circumference of each finger. In addition a leather blank for the back-side B having pieces of leather for four fingers, forefinger to little finger, *b*1, *b*2, *b*3, *b*4, and pieces of leather for fourchettes *c*, *d*, *e*, *f*, *g*, which form sides between adjacent finger portions are all similarly cut from patterns. The cut pieces are then sewn in the following order. The left edge 1 of the fourchette c is sewn with the right edge 2 of the fourchette *d*; the right edge 3 of the fourchette *c* is sewn with the edge 4 of the palm thumb portion a_1; the inner edges 5, 6 of the fourchette *e* are respectively sewn with the corresponding edges 7 and 8 of the palm forefinger and middle finger portions a_2

and a_5; the inner edges **9** and **10** of the fourchette **4** are, respectively, sewn with the corresponding edges **11** and **12** of the palm middle finger and fourth finger portions a_3 and a_4; and the inner edges **13** and **14** of the fourchette *g* are, respectively, sewn with the corresponding edges **15** and **16** of the palm fourth finger and little finger portions a_4 and a_5 . The edges **17, 18**; **19,20** ; **21, 22** of the finger portions b_1, b_2, b_3, b_4 of the back-forming blank B are, respectively, sewn with the outer edges **23,24** ; **25,26** ; **27,28** of the fourchettes *e, f, g;* and the portions **39,30** ; **31, 32** of the palm side and back side, as well as the tips of all the finger portions are sewn to complete the glove pattern. This operation may leave the thumb and finger portions a little too open, but the desired form of the finished product can be obtained

Prior art gloves having the appearance as shown in FIG. **4**, are formed by a successive sewing of two pieces of leather for the palm and the back sides h as shown in FIG. **2**, thumb part i as shown in FIG. **13**, and fourchettes *j, k* as shown in FIGS. **14** and **15**. As a result, the seam **33** at the root of the thumb and seams **34, 35, 36, 37** at the other fingers appear on the palm side.

According to this present invention, however, such seams are absent from the root of the thumb, as the inner surface of the thumb is cut together with the leather of the palm. In addition, all seams from the palm side are removed, since the pieces of leather *a*1, *a*2, *a*3, *a*4, *a*5 for each finger on the palm side are cut to be wider than one-half the circumference of each finger.

Furthermore, it has the advantage of giving sufficient space to each finger when the gloves are put on, since fourchettes are provided for the thumb and four finger portions. The gloves of this invention are superior for drivers or golf players, for example, who require a fine touch with no grip interference.

I claim:

1. A method of making a leather glove comprising the steps of cutting a palm forming blank including the thumb portion and the fore, middle, third and little finger portions, cutting said finger and thumb portions so as to be wider than one half the circumference of the thumb and four fingers, respectively, of an intended glove wearer; cutting a back forming blank including the four finger portions, forming each of the four finger portions of the back-forming blank with a width smaller than the width of the finger portions formed on the palm blank; cutting a fourchette for said thumb portion, a fourchette for between the thumb portion and the forefinger portion, and fourchettes for between said finger portions, forming said fourchette for said thumb portion slightly shorter than the length of said thumb portion; and sewing said palm forming blank, said back forming blank and said fourchettes together to form a glove.

2. A method of making a leather glove as claimed in claim **1** wherein said sewing step includes the steps of sequentially sewing said thumb portion and said four finger portions of said palm forming blank to corresponding fourchettes beginning with said thumb portion and sewing towards the little finger portion, and then sewing said back forming blank to said fourchette in the same manner.

3. A method of making a leather glove as claimed in claim **1** wherein said sewing step includes the steps of sequentially sewing said thumb portion and said four finger portions of said palm forming blank to corresponding edges of said fourchettes beginning with said thumb portion and sewing towards the finger portion, sewing the corresponding remaining edges of said fourchettes to the corresponding finger portions of said back forming blank and finally sewing the tips of the thumb portion and the four finger portions.

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