Sept. 20, 1966 F. SPERANDEO 3,273,165

GLOVES FOR PLAYING SPORTS

Filed Dec. 9, 1963 4 Sheets-Sheet 1

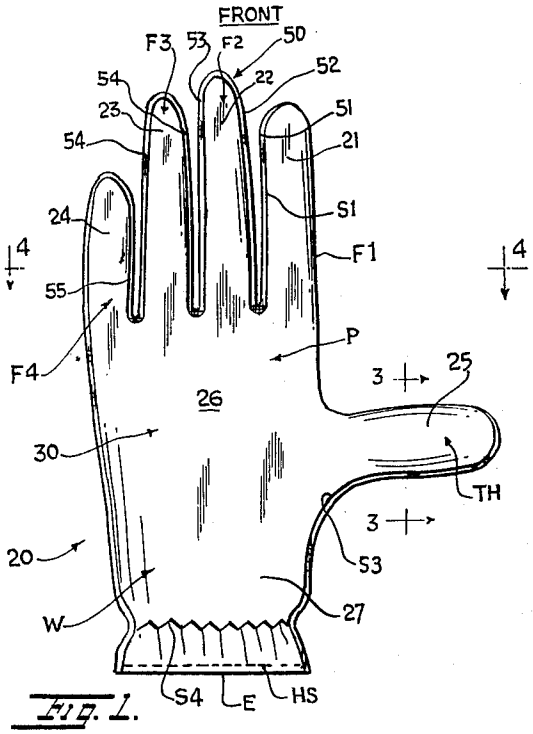


Fig. 1.

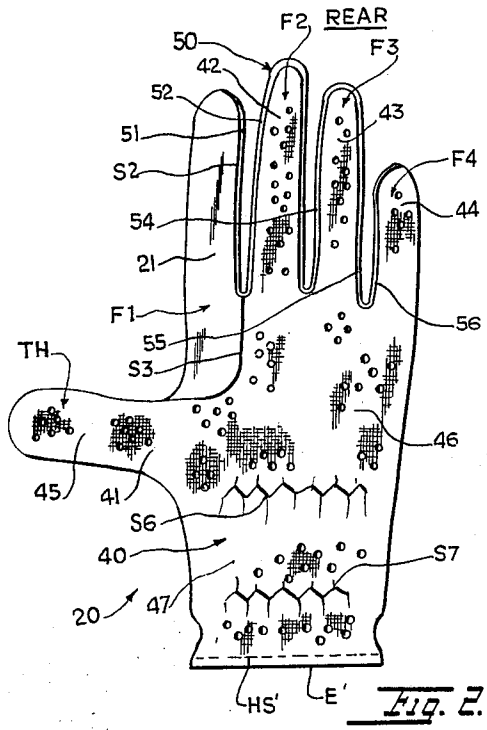


Fig. 2.

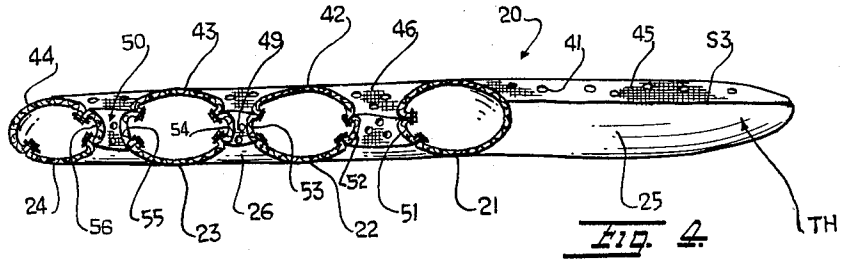


Fig. 4.

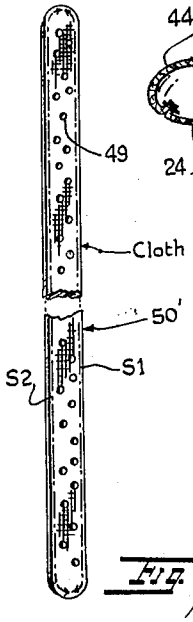


Fig. 7.

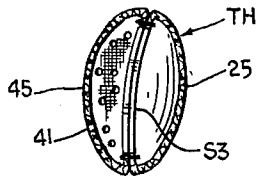


Fig. 3.

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GLOVES FOR PLAYING SPORTS

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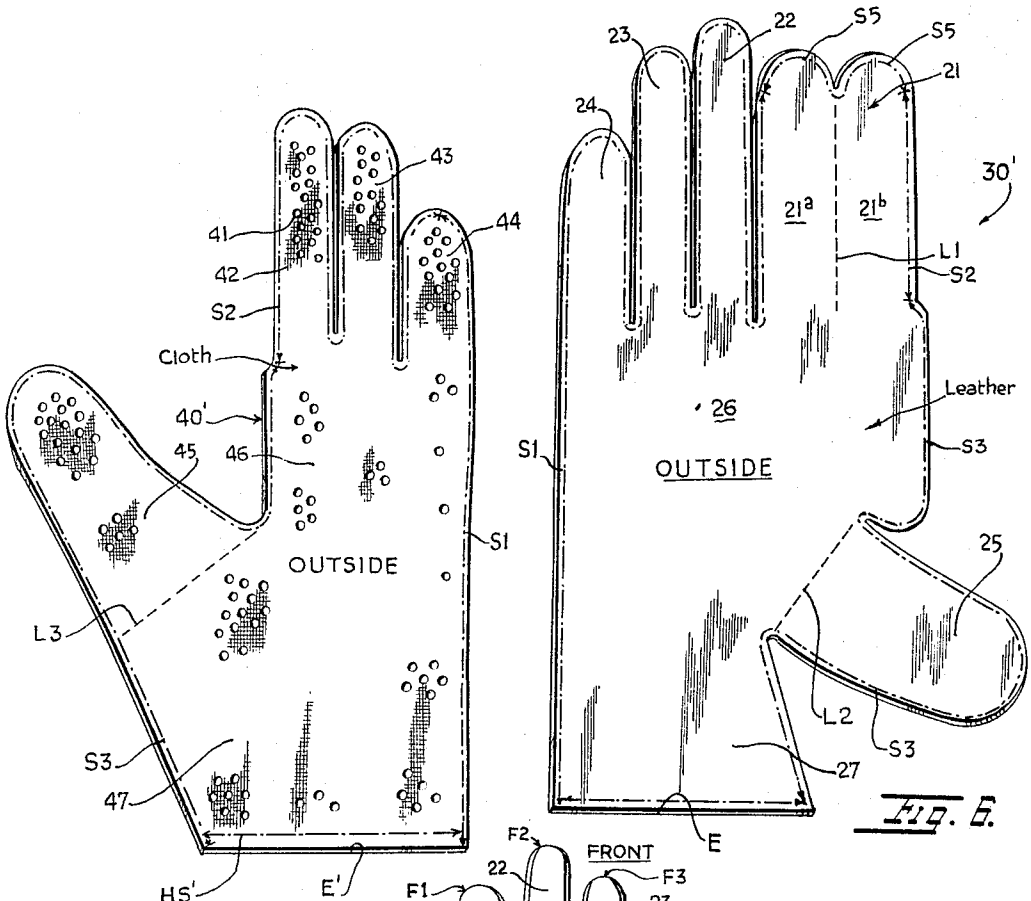


FIG. 5. FIG. 6.

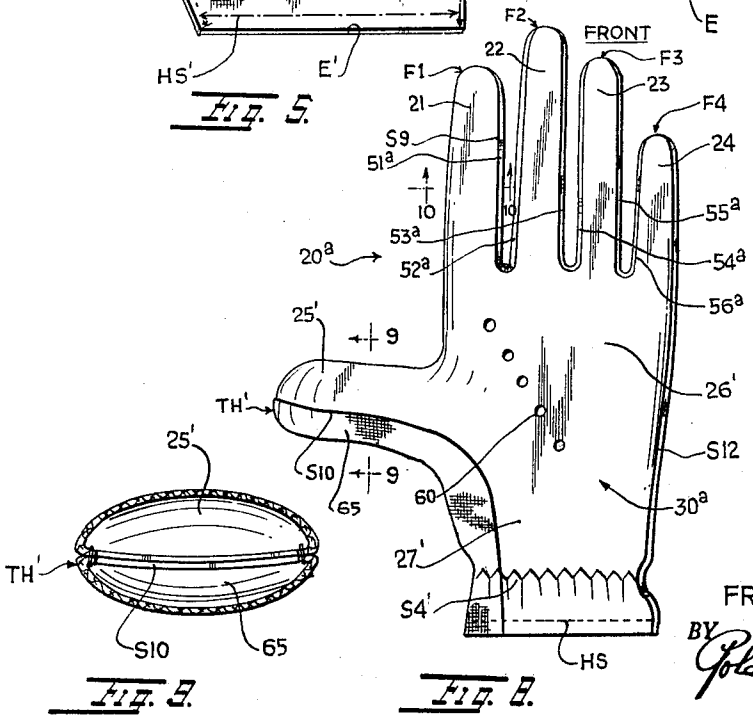


FIG. 9. FIG. 8.

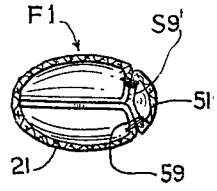


FIG. 10.

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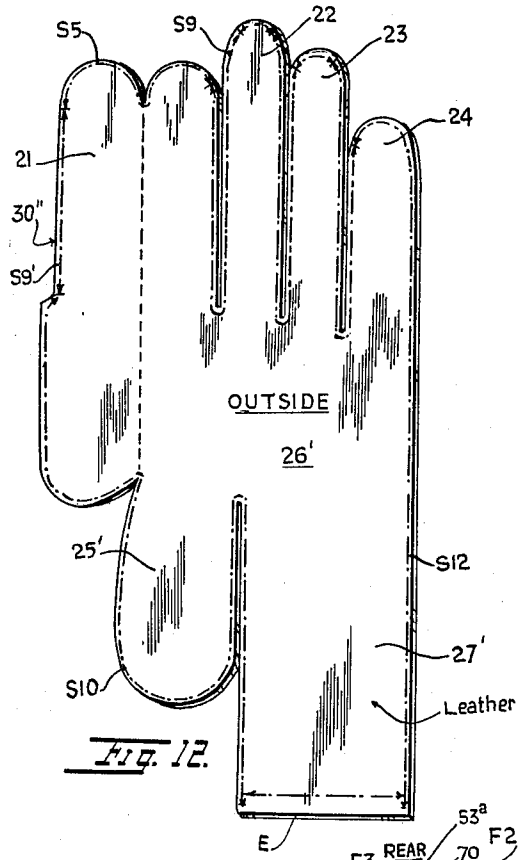


Fig. 12.

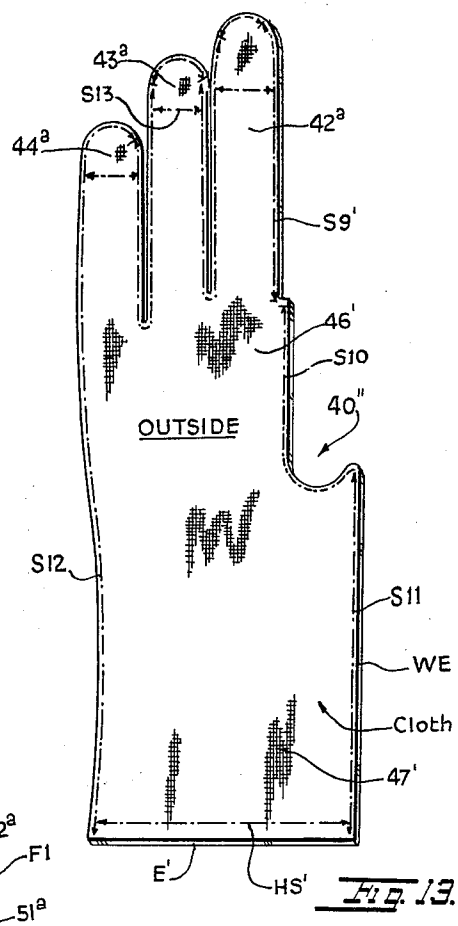


Fig. 13.

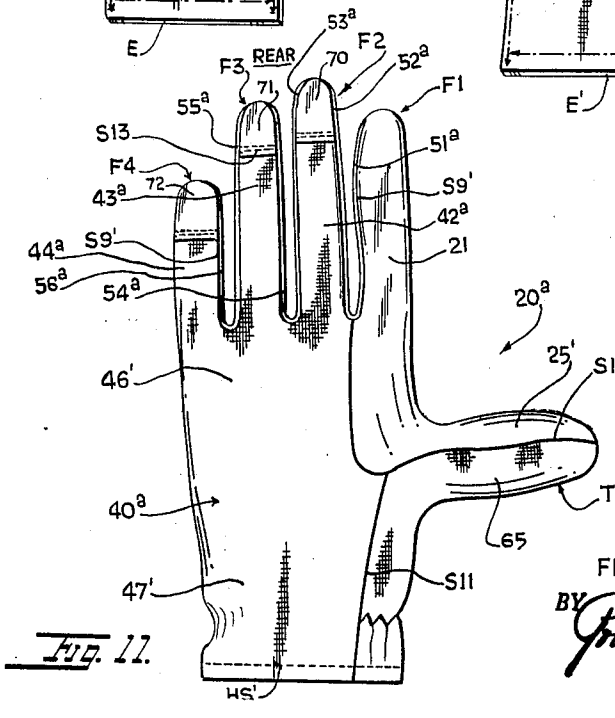


Fig. 11.

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GLOVES FOR PLAYING SPORTS

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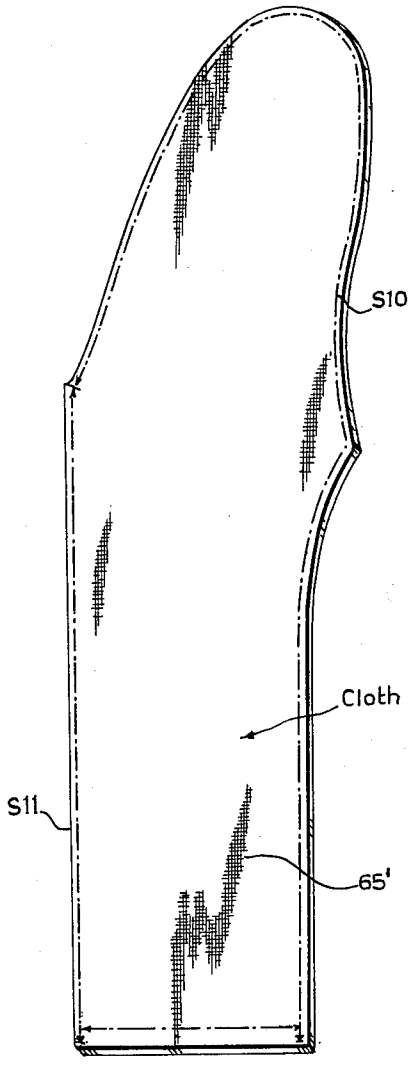


Fig. 14.

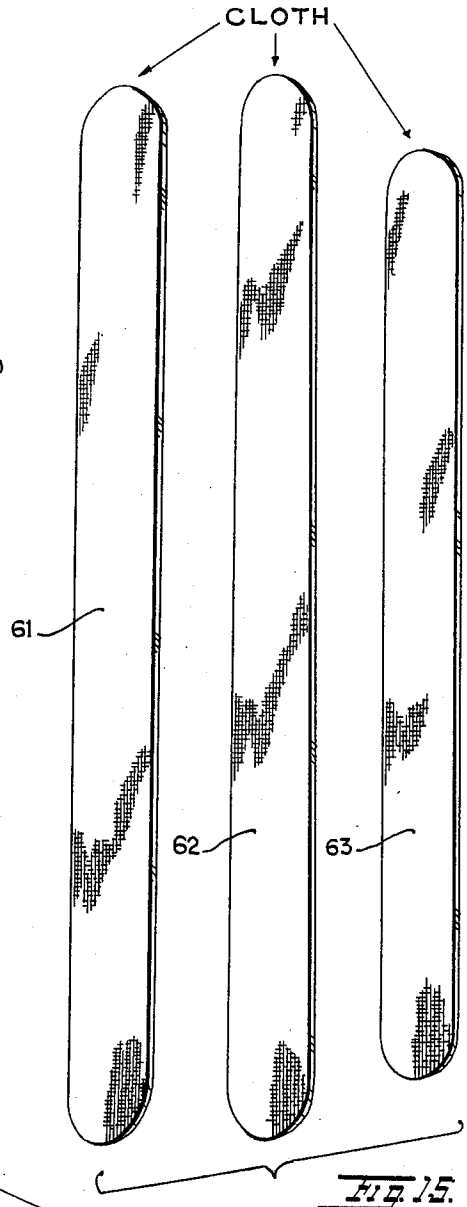


Fig. 15.

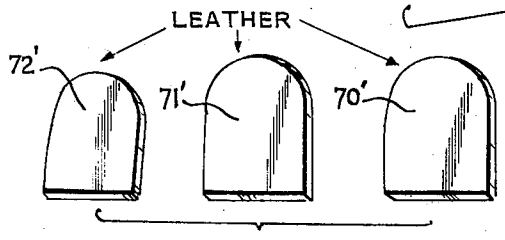


Fig. 16.

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United States Patent Office 3,273,165 Patented Sept. 20, 1966

3,273,165

GLOVES FOR PLAYING SPORTS

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Filed Dec. 9, 1963, Ser. No. 329,167
1 Claim. (Cl. 2—169)

This invention concerns a glove for use in playing sports in which a club or racquet is handled such as in golf, tennis, badminton, etc.

The object of the invention is to provide a glove which has no seams in the front between the fingers and the palm and between the thumb and palm, and which has no seams at the outer side of the index finger, so that only a thin, smooth leather facing or glove front is interposed between the hand of the player and the club or racquet.

Another object is to provide a glove of the character described which is part leather and part open mesh or apertured cloth of fabric.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a front elevational view of a glove embodying the invention.

FIG. 2 is a rear elevational view of the glove of FIG. 1.

FIG. 3 and FIG. 4 are enlarged sectional views taken on lines 3—3 and 4—4, respectively, of FIG. 1.

FIG. 5 is a plan view of a blank fabric piece employed in forming the back of the glove.

FIG. 6 is a plan view of a blank leather piece employed in forming the front of the glove.

FIG. 7 is a plan view of a blank fabric piece employed in forming finger fourchettes of the glove.

FIG. 8 is a front view of another glove according to the invention.

FIG. 9 and FIG. 10, are enlarged sectional views taken on lines 9—9 and 10—10, respectively, of FIG. 8.

FIG. 11 is a rear elevational view of the glove of FIG. 8.

FIG. 12 is a plan view of a blank leather piece employed in forming the front of the glove of FIGS. 8–11.

FIG. 13 is a plan view of the blank fabric piece employed in forming part of the back of the glove of FIGS. 8–11.

FIG. 14 is a plan view of a blank fabric thumb and wrist piece of the glove of FIGS. 8–11.

FIG. 15 are plan views of fabric fourchette pieces employed in the glove of FIGS. 8–11.

FIG. 16 are plan views of leather fingertip reinforcement pieces employed at the backs of fingers of the glove of FIGS. 8-11.

Referring first to FIGS. 1–4, there is shown glove **20** having a leather front **30** formed with finger sections **21–24**, thumb section **25**, palm section **26** and wrist section **27**. All of the sections **21–27** are integral and without seams so that the user can grasp a club or racquet in his hand without interposition of a seam at the front of the club. The index finger section **21** is continued around the outer side of the finger and across the back of the index finger so that there is no seam at the outer side of the index finger between either the front or back of the finger.

The glove **20** has a fabric back **40** made of open mesh or apertured cloth with numerous, uniformly distributed ventilation holes **41**. The back **40** is formed with three finger sections **42, 43, 44**, a thumb section **45**, back-of-the-hand section **46**, and wrist section **47** all integral with

each other in a seamless arrangement. A single open mesh fabric piece **50** with holes **49** is disposed in serpentine fashion to form fourchette sections **51–56**. Fourchette section **51** is located at the inner side of the index finger F1 adjacent to middle finger F2. Fourchette section **51** is joined to leather index finger section **21** by a front seam S1 and a rear seam S2. Fourchette section **51** starts near the tip of the index finger F1 of the glove and is located only at the inner side thereof.

Fourchette section **52** is continuous with section **51** so that there is no transverse seam therebetween at the bases of fingers F1 and F2. Fourchette section **52** is joined to front leather section by seam S1 which, as clearly shown in FIG. 1, is continuous along the inner adjacent sides of fingers F1, F2, around the tip of finger F3, along adjacent sides of fingers F3, F4, around the tip of finger F4, and along the outer side of finger F4, palm P and wrist W to the open wrist end E of the glove.

The fourchette section **53** is located on the side of index finger F2 adjacent to middle finger F3. Fourchette section **54** is located on the side of finger F3 adjacent to fourchette section **53**. Fourchette section **55** is located on the side of finger F3 adjacent to ring finger F4. Fourchette section **56** is located on the outer side of finger F4. Fourchette section **56** terminates at the tip of little finger F4.

At the back of the glove, seam S2 joins leather index finger section **21** and fabric finger sections **42, 43, 44** to fourchette sections **51–56** as clearly shown in FIG. 2.

A seam S3 is located at the back of the glove and extends from the base of index finger F1 at its inner side in a generally rectangular position first parallel to the axis of finger F1, then perpendicular thereto along the inner or upper edge of the thumb TH of the glove, as shown in FIGS. 1 and 2. Seam S3 continues around the tip of the thumb TH, then inwardly along the outer of underside of the thumb, along the outer edge of the palm P, and terminates along the outer edge of the wrist W and terminates at end E of the glove. Hemming seams HS and HS′ may be employed to finish the raw edges of leather and fabric at end E of the glove.

An expansible chain stitching S4 is provided on the leather front **30** at the wrist end to insure a snug fit at the wrist. This stitching is entirely out of the way of the thumb TH, index finger F1 and palm P so as to leave the front portions of these sections entirely free of stitching. Similar stitching S6, S7 may be provided on back wrist section **47**. It will be noted that there are no seams at the front, back and outer side of the index finger F1. There are no seams at the tops and bottoms of the fingers F2, F3 and F4 between the front and rear seams S1, S2. This construction with a minimum number of seams results in an improved glove for sports use.

FIG. 6 shows a blank **30′** which is used to form the leather front **30** of the glove. The blank is shown flat with four finger sections **21–24**, thumb section **25**, palm section **26** and wrist section **27**. Index finger section **21** has a double, seamless width. This section may be folded on line L1 so that portion 21^a is disposed at the front of the glove and portion 21^b is disposed at the rear of the glove. The rounded tips of portions 21^a, 21^b are sewn together in the finished glove by a short seam S5 indicated by a dotted line. Seam S1 is indicated by a dotted line extending between the wrist end E at one end and the tip of finger portion 21^a. The outer edge of finger portion 21^b is joined by seam S2 to fourchette portion **51** at the back of the glove. Seam S3 indicated by a dotted line in FIG. 6, extends along the outer edge of palm section **26**, around thumb section **25** and along wrist section **27**. Hemming seam HS is indicated at the wrist end E of the leather blank **30′**. It will be noted that

thumb section 25 extends at an obtuse angle to the lengthwise direction of blank 30'.

FIG. 5 shows blank 40' used to make the glove back 40. This blank is shown flat with three finger sections 42, 43, 44, thumb section 45, back-of-the-hand section 46 and wrist section 47. Seam S1 is indicated by a dotted line extending between the wrist end E' along the outer edges of sections 47, 46, 44 to the tip of finger section 44. Seam S2 extends between the tip of finger section 44 and the base of finger section 42. Seam S3 is indicated as extending along the outer edge of palm section 46, around thumb section 45 and outer edge of wrist section 47 to terminate at the wrist end E'. Hemming seam HS' is indicated as extending transversely across the blank at the wrist end.

In order to join the front and rear thumb sections 25, 45 together by seam S3, it is necessary to fold thumb section 25 upwardly on line L2 indicated in FIG. 6 while thumb section 45 is folded down at line L3. This causes the thumb TH of the glove to stand out at an angle of 90° to the lengthwise direction of the glove as clearly shown in FIGS. 1 and 2.

FIG. 7 shows the fourchette blank 50' employed to form fourchette sections 51–56. Seam S1 is applied at one edge while seam S2 is applied at the other edge.

It will be noted that glove 20 is a three-piece glove with major front and back parts and narrow fourchette parts. All seams are turned inwardly as indicated in FIGS. 3 and 4 to provide smooth outer surfaces at all sides and edges of the glove. This glove can be made in different sizes for men, women and children. It enables playing of sports with greater effective use of clubs and racquets since the seams are strategically located to be clear of all critical areas required for proper grip on the handle of any club or racquet.

Glove 20^a shown in FIGS. 8–11 is made from blank pieces shown in FIGS. 12–15. Parts corresponding to those of glove 20 are identically numbered.

Glove 20^a has a leather front 30^a with finger sections 21–24, thumb section 25', palm section 26' and wrist section 27'. Holes 60 are provided in the palm section for ventilation. Integral continuous fourchettes 51^a, 52^a made from a single blank fourchette strip 61 are provided between fingers F1, F2. Fabric blank strip 61 is shown in FIG. 15. Integral fourchettes 53^a, 54^a are provided between fingers F2, F3. These are made from fabric blank strip 62 shown in FIG. 15. Integral fourchettes 55^a, 56^a are provided between fingers F3, F4. These fourchettes are made from fabric blank strip 63 shown in FIG. 15. Seams S9 secure the fourchette sections to the front finger sections 21–24.

Attached to the thumb section 25' by a seam S10 is a back thumb section 65 made from a fabric blank strip 65' shown in FIG. 14. The seam S10 is indicated by a dotted line in FIG. 14.

The back thumb section 65 is secured to the back section 46' and wrist section 47' of fabric back 40^a by seam S10 and seam S11, respectively. Seam S11 is indicated by a dotted line in FIGS. 13 and 14.

Seams S9' secure the fourchette sections 51^a–56^a to the back finger sections 42^a, 43^a, 44^a. An outer seam S12 secures the front and rear parts 30^a, 40^a together at the outer side of finger F4, palm section 26' and wrist section 27'.

Chain stitching S4' constricts the wrist end of the glove. This stitching is provided near the end of wrist section 47'. Hemming stitches HS and HS' at front and rear, respectively, finish the raw edges of the leathter front and fabric back.

Leather tips 70, 71 and 72 are applied at tips of the backs of fingers F2, F3, F4 to reinforce the fingers. These tips are made from leather blank tabs 70'–72' shown in FIG. 16. Transverse stitching S13 may be applied at the bottom ends of these tabs on the backs of the fingers.

The blank 30'' from which the leather front of the glove is made is shown in FIG. 12. The double width of index finger section 21 is clearly shown. Thumb section 25' extends downwardly parallel to the lengthwise direction of the blank. When blank strip 65' is attached and mutually rectangular seams S10, S11 are applied the thumb TH' extends outwardly at right angles to the lengthwise direction of glove 20^a. Blank 30'' has parallel finger sections 21–24, a generally rectanglar wrist section 27' and a palm section 26' integral with the finger, thumb and wrist sections.

Blank 40'' shown in FIG. 13 is similar to blank 40' of FIG. 5, except the thumb section 45 is omitted, to be replaced by separate thumb section 65 in the finished glove. The transverse seams S13 for tabs are indicated by dotted lines in FIG. 13. The seams S9' for the fourchette sections are shown at the finger sections 42^a–44^a. Outer seam S12 for attachment to the outer edge of blank 30'' extends between the wrist end E' and tip end of finger section 44^a. Outer seam S11 for the wrist edge WE and palm section 46' is shown by a dotted line at the right in FIG. 13.

Fourchette seams S9 are shown in FIG. 12. The seam S10 is shown extending from the base end of index finger section 21 at its outer edge around the thumb section 25' to the wrist end E. Outer seam S12 is shown at the right in FIG. 12. Seams S9' secures the outer edge of section 21 to fourchette section 51^a.

Both the gloves 20 and 20^a can be used effectively for sports use. There will be no seams between thumb and palm and between any finger and palm. In addition, there will be no seam at the outer side, front and rear of the index finger.

Although the gloves have been shown as made partly of fabric and partly of leather, they can be made entirely of leather or entirely of fabric. In the drawings, glove 20 is shown as a right-hand glove and glove 20^a is a left-hand glove. The gloves for the other hands are made by front and back blanks having the reverse or mirror image configuration of those shown in the drawings.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

In a sports glove having the palm including the index finger portion, thumb portion and area therebetween completely free of seams, a combination of a front part and a back part secured together to form the completed glove,

(a) said back part having a back of the hand section, a wrist section and, in the area of said thumb and index finger, a thumb section only, said thumb section extending from said back of the hand section and away from said wrist section at an oblique angle with respect to the normal longitudinal axis of said back part,

(b) said front part having a palm section, a wrist section and, in the area of said thumb and index finger, an index finger section of sufficient width to extend around the front, back and thumb-facing side areas of an index finger, and a thumb section extending from said palm section and generally toward said wrist section at an angle approaching the perpendicular with respect to the normal longitudinal axis of said front part, said index finger section extending at said full width from the tip thereof to the joint with said thumb section, whereby a portion of the back of the hand and the back of the index finger will be covered by said index finger section,

the width of said front part thumb section being greater than the width of said back part thumb section, whereby

the joining seams will be remote from the glove palm, said front and back part being seamed at the edges to form said completed glove.

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