

Feb. 7, 1928.

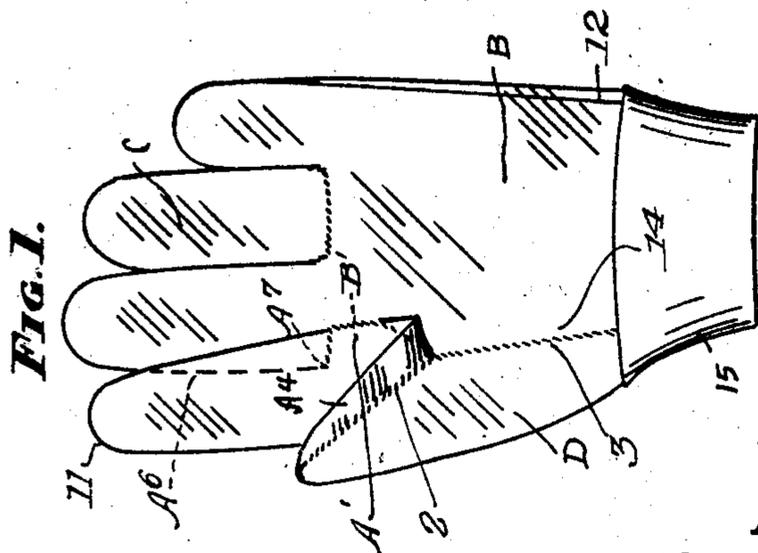
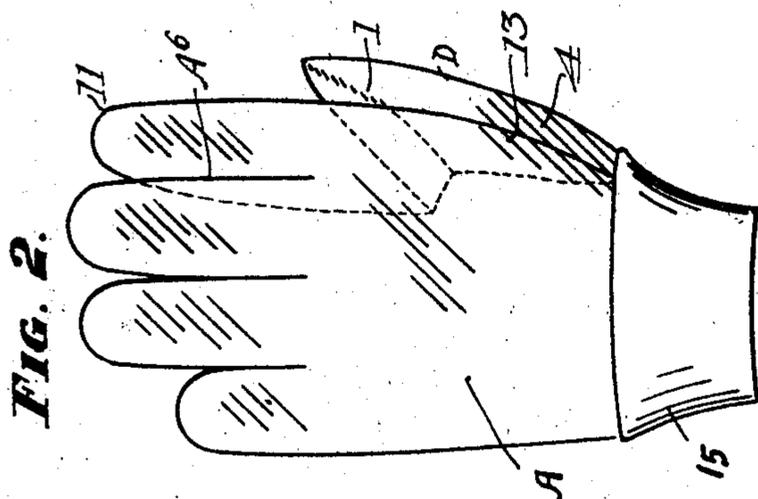
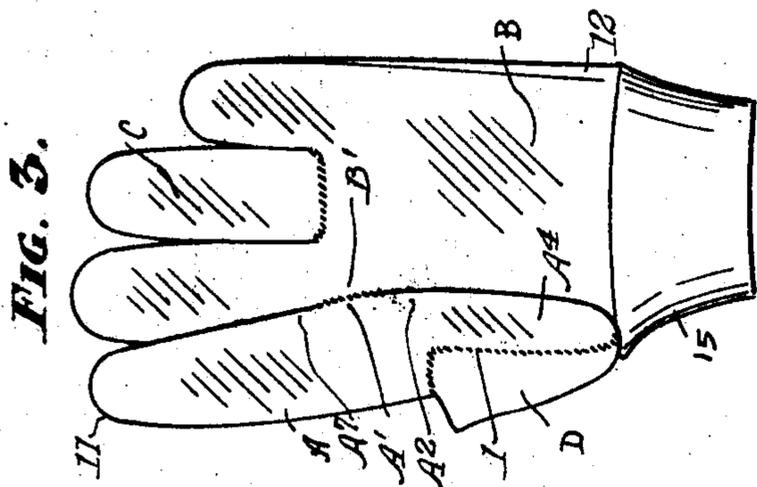
1,658,228

A. L. COOK

GLOVE

Filed Jan. 7, 1926

2 Sheets-Sheet 1



INVENTOR
ARCH L. COOK
By Thomas L. Ryan
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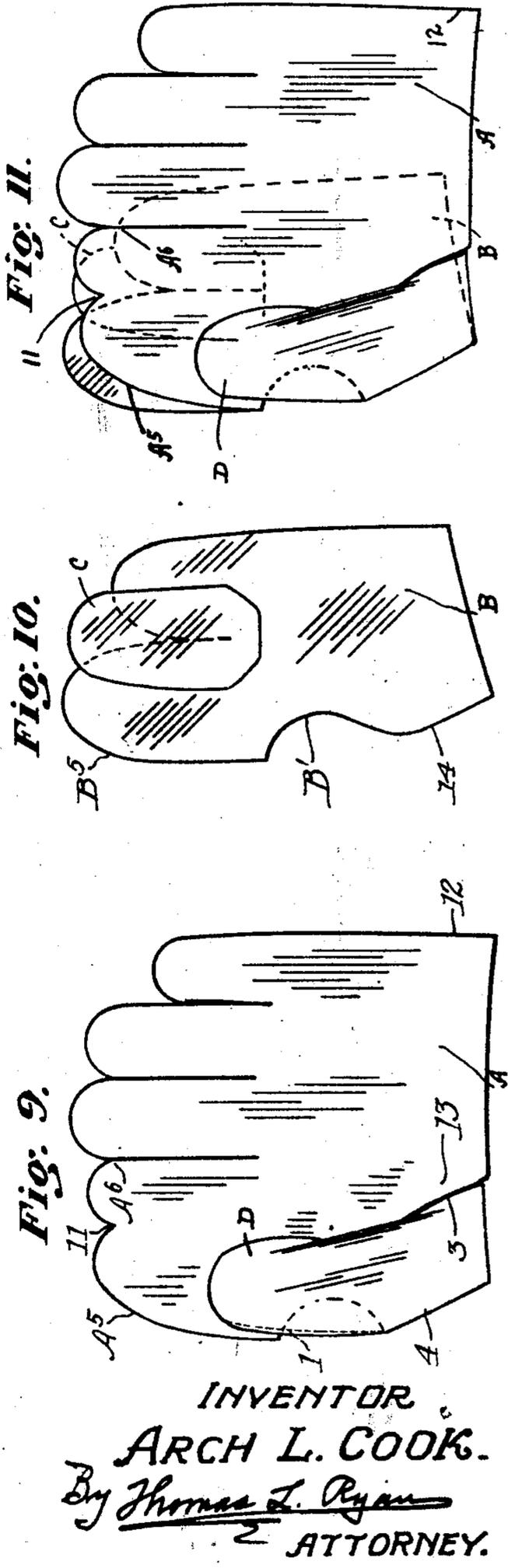
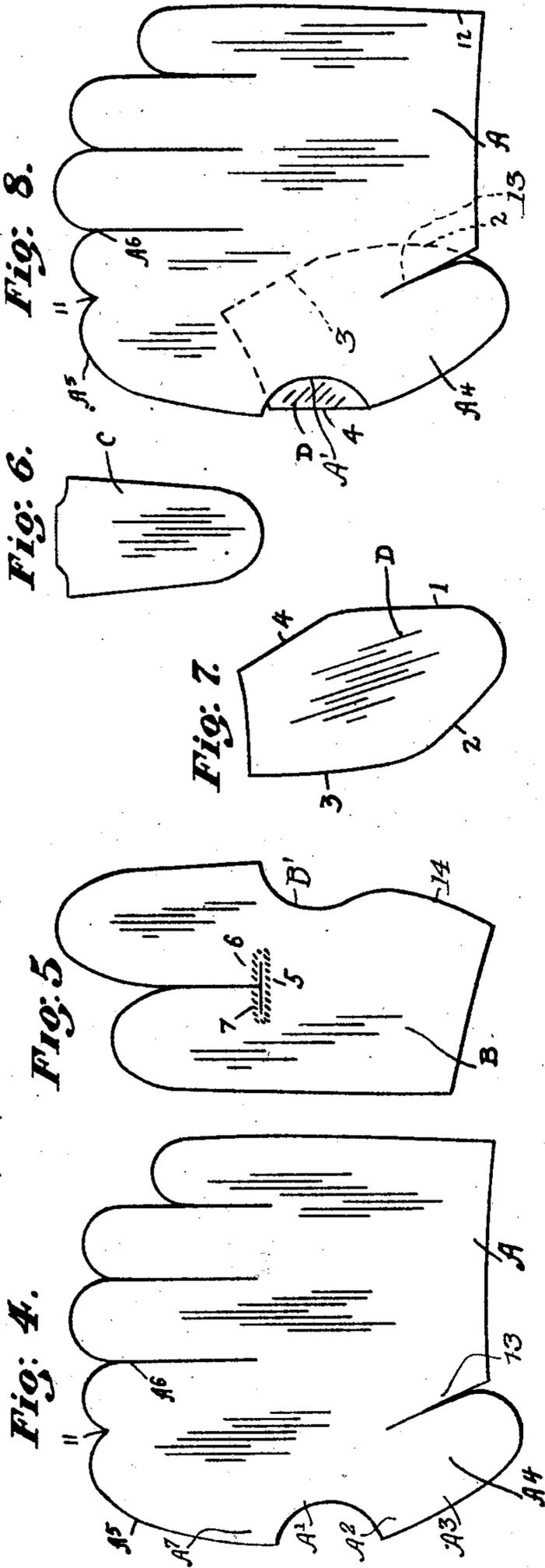
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INVENTOR
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UNITED STATES PATENT OFFICE.

ARCH L. COOK, OF BLUFFTON, INDIANA.

GLOVE.

Application filed January 7, 1926. Serial No. 79,904.

This invention relates to improvements in gloves of that type known as workers' gloves. Gloves of this class are subjected to hard usage and as hitherto constructed are not entirely satisfactory as they give way at the seams long before the body fabric of the glove becomes impaired.

Objects of my invention are to provide a glove with its parts so formed and secured together that while the glove is economical of construction, neat in appearance and comfortable to wear, the seams are shielded from strain and protected against abnormal strains; and tendency toward stretching or tearing of the body fabric of the glove is practically eliminated.

The above named general objects, as well as more specific aims of my invention are accomplished by the new construction, combination and arrangement of parts described in the following specification and illustrated in the accompanying drawings.

My invention contemplates the providing of a minimum number of body pieces so formed that they are capable of being economically cut from the stock material, and of being easily assembled and sewed together; the glove so formed having no seams in the back portion or in the palm portion and the seams in the fingers being at locations removed from the wearing portions thereof.

In the embodiment of my invention, as shown in the drawings, the glove consists of four members, and which may be designated as the main piece, the second piece, the third piece and the fourth piece. These members or pieces are of soft flexible material such as canton flannel, or of a fabric consisting of canton flannel and leather; or of a combination of canton flannel and any other suitable flexible material. The inner surfaces of the several pieces and which constitute the interior surfaces of the completed glove, are designated by longitudinal shade lines; and the twilled or outer surfaces of the several pieces, are designated by diagonal shade lines.

The several parts of the invention as they appear in the drawings, are identified by suitable characters of reference applied thereto in the different views, in which—

Figure 1 is a front view of my improved glove.

Figure 2 is a back view of Figure 1.

Figure 3 is a front view of the glove, the

thumb being folded back to show the line followed by the seam.

Figure 4 is a plan view of the main piece A.

Figure 5 is a plan view of the second piece, designated B.

Figure 6 is a plan view of the third piece C.

Figure 7 is a plan view of the fourth piece D.

Figure 8 is a view of the main piece A with the piece D disposed thereon in readiness to be stitched.

Figure 9 is a view similar to Figure 8, except that the thumb portion of the main piece carrying the thumb piece D has been brought about (after having been stitched) to upright position.

Figure 10 is a view showing the piece B in reversed position, and the piece C also in reversed position, and having its lower edge in stitched connection with the piece B.

Figure 11 is a view similar to Figure 9, the thumb portion having been stitched to the piece B, the latter being in position in readiness to be doubled over to face to face engagement with the main piece, and to be stitched thereto along the edges of the fingers, from the point 11 to the point 12 or bottom of the glove.

The first or main piece A constitutes the material for the back of the glove comprising also the back of the fourth finger, the back of the third finger, the back of the second finger, and front of the trunk of the thumb, and the back and front of the first finger.

The second piece B constitutes the material for the palm of the glove, the front and sides of the fourth finger, and front and sides of the second finger, and a front portion of the body of the thumb.

The third piece C constitutes the material for the front and sides of the third finger; and the fourth piece D constitutes the material for the back portion of the trunk, and for the back portion of the body, of the thumb. Complemental edges A' and B' of the crotch areas of said first and second pieces, are of the peculiar curvatures shown (see Figures 4 and 5).

The said pieces may be of any suitable soft or flexible fabric; canton flannel, or a canton flannel-and-leather combination being preferred, as being strong and durable, and comfortable for the wearer. They are

capable of being cut in multiple quantities with steel cutting dies or knives suitably made therefor, so that they are uniformly accurate in form and dimensions.

When combined and secured together the said four pieces constitute the glove structure complete, there being no seams in the back, nor in the front or sides of the fingers. The seam between the edges A' and B' is of such form, that a fullness A² thus afforded at the lower part of the crotch area of piece A causes the fabric thereat to fold over the lower portion of the seam in the form as shown in Figure 1. Thus besides providing a peculiar fullness of the crotch area adjacent to the junction of the edges A' and B', it is seen that the lower portion of the said seam, and the seam between the joined edges of the first piece, second, and fourth piece of the glove, is not only relieved of possibility of severe strain, but it is shielded by the folded portion A², at the same time there is eliminated the possibility of any severe strains at the seam between the edges A³ and 2 of the trunk portion of the thumb. Similarly, the upper portion of the seam between edges A' and B' is shielded by the lower portion A⁷ of the fabric of the first finger (see Figure 1).

Directions for sewing the several parts and the assembling thereof into the completed glove, are as follows:

Piece D is reversed from the position in which it is shown in Figure 7, and it is placed at engagement with the thumb portion A⁴ of the piece A as shown in Figure 8, the edges of said piece D being designated 1, 2, 3, and 4. (See Figure 7). At the completion of stitching of the edges 1 and 2 of the piece D to the edges of the thumb portion A⁴, and the stitching of the edge 3 of the body portion of piece D, to the edge 13 of piece A, they appear as shown in Figure 9, the formation of the trunk portion of the thumb of the glove being complete, and said thumb having been brought about and turned upwardly.

Next, the third piece C is secured at the line of stitching 5 (see Figure 5) to the lower edge of the transverse slit, and at the lines of stitching 6 and 7 at the upper edges of said slit (the latter edges being the base portions of the second and fourth fingers). The said piece B with the piece C connected thereto as just described, when reversed, appears as shown in Figure 10. The piece B is then disposed (back to back) with the piece A (see Figure 11), stitching of the edge 4 of the body of the thumb piece to the edge 14 of piece B, and the edge A' of piece A to the edge B' of piece B, and the edges A⁵ and B⁵, completing the binding of these pieces as far as the point 11. At this stage the pieces A and B are folded over to closed position (face to face) the edges A⁵

and A⁶ of the first finger being laid together. The stitching which is then commenced at point 11, proceeds in the binding of the said edges A⁵ and A⁶ of the first finger, and the edges of the second, third and fourth fingers, and thence to the bottom 12 of the rear edges of the pieces A and B. At this stage the twilled surfaces are inside. The glove structure thus completed is then turned inside out, after which there is sewed to its lower edge a wrist band 15 of the usual form.

In my improved glove there is a minimum number of pieces, and a minimum amount of stitching. The manipulation of the pieces by the operative in sewing them together is easily learned and the gloves may be produced with accuracy and rapidity. Accordingly there is a very substantial economy in the amount of body material, thread, and labor used in the production of the gloves. A glove made in accordance with my invention lends itself to ease in manufacture in a plant using ordinary equipment in textile binding, and may be made on sewing machines of all standard types.

In the fingers and thumb of the glove the seams are at areas in the fabric distant from those areas that receive the wear and strains of usage, the finger portions being securely bound at their tops, and edges, and at their backs, and the seams of the trunk and body portions of the thumb being at the peculiar locations relative to the palm portion of the glove, as shown in Figures 1 and 3. By reason of the novel formation and combination of the pieces described there is a peculiar fullness across the palm and in the crotch of the thumb and first finger whereby all possibility of strains imposed thereat, to stretch, tear, or wrench the fabric is prevented.

The back of the glove being free from seams, a plain uninterrupted surface is afforded, upon which advertising matter or fanciful decorations may be printed or applied in any desired manner. This is especially a desirable feature as in the merchandising of an article of this class, the display thereon of the name or trademark of the tradesman, is a substantial and distinct advantage.

In the present description of my invention I have disclosed the preferred form of embodiment thereof, it being understood of course, that minor changes and modifications may be made, without departing from the nature or spirit of the invention or sacrificing any of its advantages.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A glove structure consisting of a body piece comprising material for the back of the glove and for the first finger complete, and for the back of the second finger, third

finger and fourth finger, and for the front of the trunk of the thumb, a second body piece comprising material for the palm of the glove and for the front and sides of the second and fourth fingers and the front portion of the body of the thumb, a third body piece comprising material for the front and sides of the third finger, and a fourth body piece to constitute the back portion of the trunk of the thumb and the body portion of the thumb.

2. A glove structure of the kind described comprising a body piece to constitute the back of the glove; the first finger complete, and the backs of the second, third and fourth fingers, and the front portion of the trunk of the thumb, a second body piece to constitute the palm of the glove and the fronts and sides of the second and fourth fingers and a front portion of the body of the thumb, a third body piece having its lower end united with the second body piece adjacent to a transverse slit in said second body piece and adapted to constitute the front and sides of the third finger, and a fourth body piece the edges of whose upper portion are adapted to be secured to the edges of the thumb portion of the first body piece, and the edges of whose lower portion are adapted to be secured to edges of the first body piece and the second body piece.

3. A glove of the kind described comprising a first body piece constituting the back of the glove and the first finger complete, and the backs of the second, third, and fourth fingers and the front of the trunk of the thumb, a second body piece constituting the palm of the glove and the front and sides of the second and fourth fingers and a front portion of the body of the thumb, and a third body piece to constitute the front and sides of the third finger and whose bottom edge is secured to the second body piece, a fourth body piece to constitute the back portion of the trunk of the thumb and the body portion of the thumb the edges of

the trunk and one side of the body portion of the fourth piece being adapted to be secured to the thumb and an edge portion of the first body piece by one stitching operation, and the edge of the other side of the body of the thumb and one of the edges of the second piece, and the edges of the crotch portions of the first and second body pieces, and the edges of the fingers and the edges of the meeting portions of the first, second, and third pieces being adapted to be secured together by a second stitching operation.

4. A glove of the kind described comprising a body piece constituting the back of the glove and the first finger complete and the backs of the second, third, and fourth fingers and the front of the trunk of the thumb, the edge of the crotch portion of said back piece which extends from the bottom of the first finger to the bottom of the trunk of the thumb being substantially semicircular, a second body piece constituting the palm and the front and sides of the second and fourth fingers, the edge of the crotch portion being of a curvature to register with the edge of the crotch portion of the first named body piece, a third body piece to constitute the front and sides of the third finger, and whose base portion is sewed to said second body piece, and a fourth body piece to constitute the back portion of the trunk of the thumb and the body portion of the thumb, the edges of the crotch portions of the first and second body pieces, and the edges of the thumb trunk portions of the first and fourth body pieces and one edge of the body portion of the thumb, and one edge of the first body piece being sewn together; the other edge of the thumb body piece and the edge of the second body piece being sewn together; and the edges of all the fingers and the edges of the sides of the first and second body pieces being sewn together.

ARCH L. COOK.