Nov. 3, 1931. W. H. CAUNITZ 1,830,639

TWO-IN-ONE SHIRT

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FIG. 1.

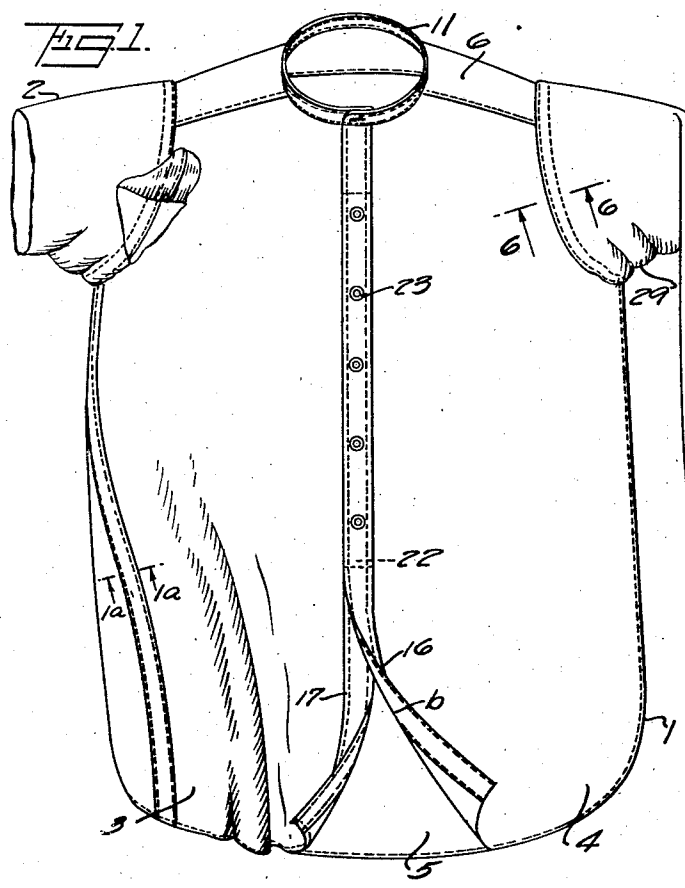


FIG. 1a

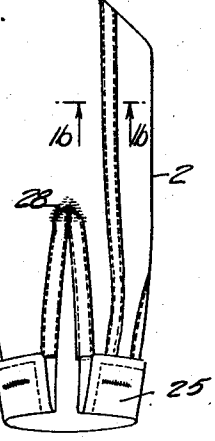


FIG. 1b

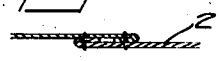
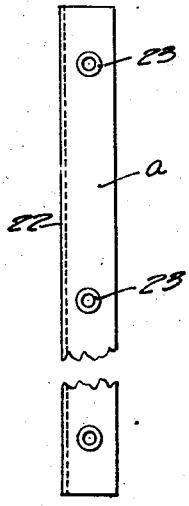


FIG. 2.

FIG. 3.



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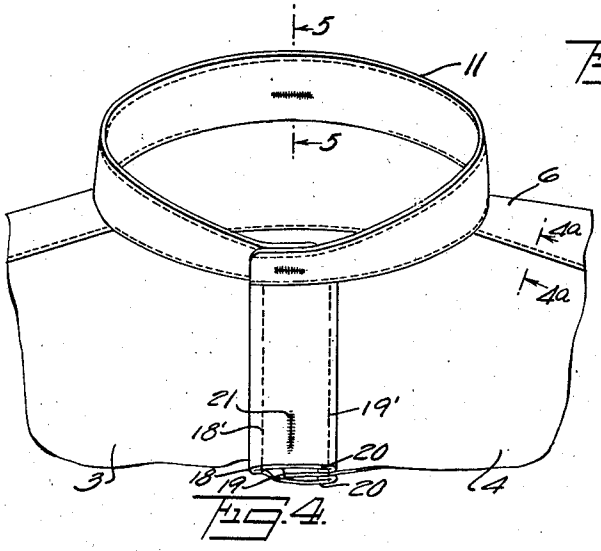


FIG. 4.

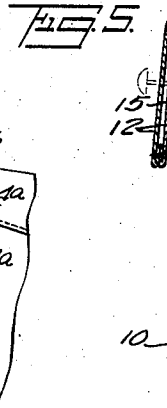


FIG. 5.

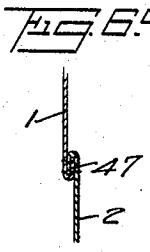
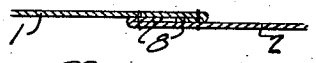


FIG. 6a.

FIG. 6.



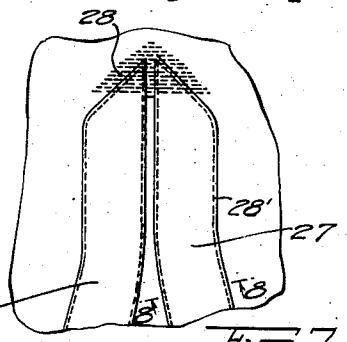


FIG. 7.

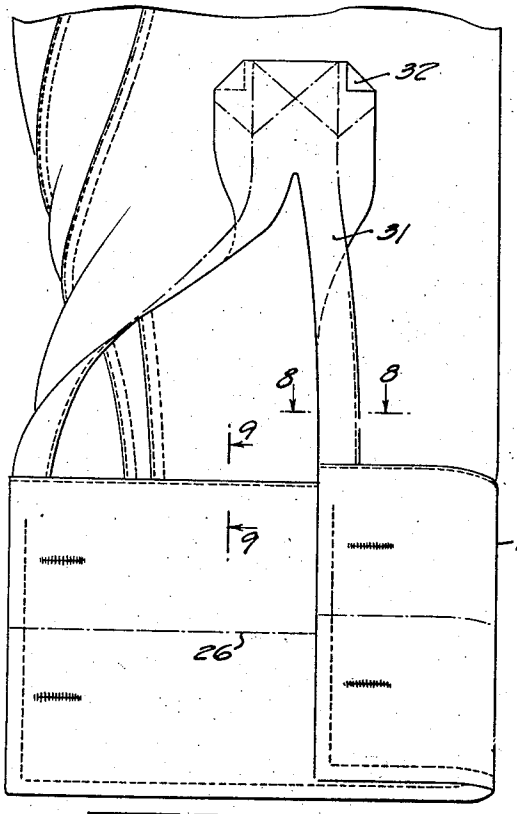


FIG. 7a.



FIG. 8.



FIG. 9.



FIG. 5a.



FIG. 4a.

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FIG. 10.

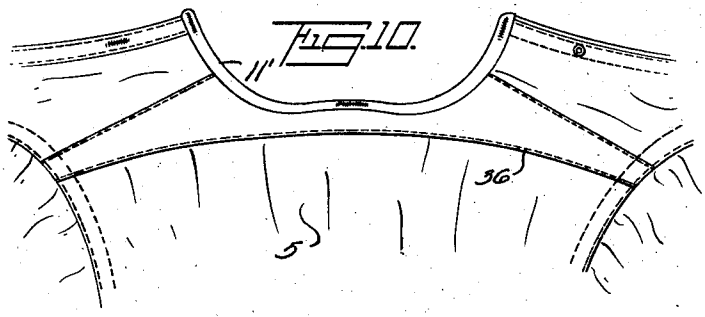


FIG. 11.

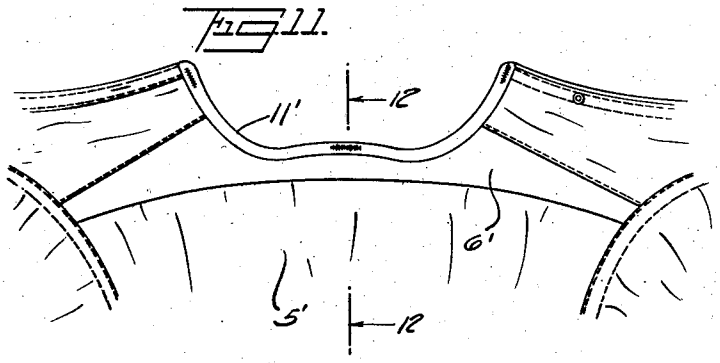


FIG. 12.

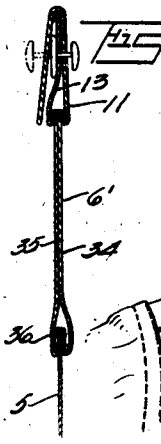
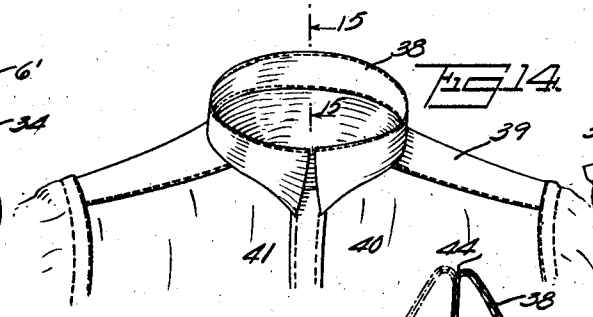


FIG. 14.



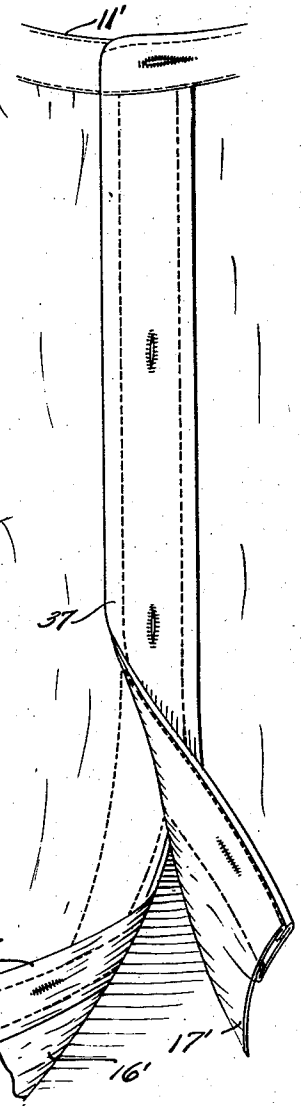


FIG. 13.

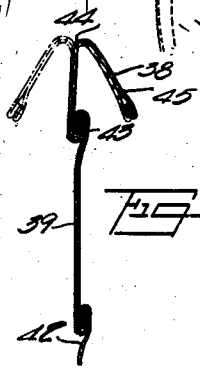


FIG. 15.

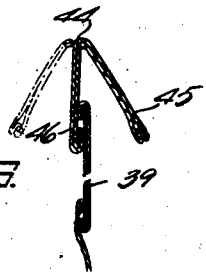


FIG. 16.

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UNITED STATES PATENT OFFICE

WALTER HENRY CAUNITZ, OF NEW YORK, N. Y.

TWO-IN-ONE SHIRT

Application filed April 28, 1926. Serial No. 105,118.

This invention relates to shirts.

The object of the invention is a two-in-one shirt capable of substantially more wear than the ordinary shirt and possessing special features of design and make-up which render it particularly acceptable to users of fastidious tastes. So-called reversible shirts have been proposed for the purpose of enabling the wearer to reverse the shirt wrong side out, if desired, so as to obtain more wear and minimize laundry bills, but in all such prior reversible shirts with which I am familiar, the wearing of the shrirt with the wrong side out is not entirely satisfactory, especially for dress wear, due among other things to unsatisfactory methods of design and make-up and to the poor workmanship which is a necessary corollary of prior designs. In accordance with my invention I have designed and perfected the cutting and making of the shirt in such manner as to secure a two-in-one shirt which, upon wearing either side out, presents the same identical, or substantially so, fit and make-up, a wrong side of the shirt being entirely eliminated. I accomplish this, as indicated above, by a special method of cutting and seaming which enables the production of the shirts of the indicated character capable of the double indiscriminate wear indicated and which, moreover, enables the shirts to be manufactured with an economy equal to that of the manufacture of the standard single wear shirt.

A further object of the invention is a shirt of the general character indicated above wherein the buttoning or fastening arrangements of the overlapping front portions and lapels are identical, regardless of which side of the shirt is being used as the outside and includes a special collar band construction and a special construction of overlapping edges and button arrangements.

A still further object is a shirt possessing unusual durability in wear and capable of withstanding without impairment repeated laundering to a marked degree.

For a better understanding of the invention, including the above indicated novel features of construction and others which will hereinafter appear, reference may be had to the accompanying drawings forming a part of this application wherein:

Fig. 1 is a front view of a shirt embodying my invention,

Fig. 1*a* is a section along the line 1*a*—1*a* of Fig. 1,

Fig. 1*b* is a section along the line 1*b*—1*b* of Fig. 1,

Fig. 2 is a back view thereof,

Fig. 3 is a detail view,

Fig. 4 is an enlarged detail view of the collar neck band,

Fig. 4*a* is a section along the line 4*a*—4*a* of Fig. 4,

Fig. 5 is a section along the line 5—5 of Fig. 4,

Fig. 5*a* is a sectional view corresponding to Fig. 5 of a modified construction,

Fig. 6 is a section along the line 6—6 of Fig. 1,

Fig. 6*a* shows an alternative method of forming certain of the seams,

Fig. 7 is a side view of the sleeve and attached cuff,

Fig. 7*a* is a view of a modified arrangement of the formation of the end of the sleeve to which the cuff is attached.

Fig. 8 is a section along the line 8—8 of Fig. 7,

Fig. 9 is a section along the line 9—9 of Fig. 7,

Fig. 10 is a view of one side of a shirt showing a different method of yoke construction,

Fig. 11 is a view of the other side of the shirt,

Fig. 12 is a view along the line 12—12 of Fig. 11,

Fig. 13 is a view illustrating a modified arrangement for the meeting edges of the shirt,

Fig. 14 indicates a shirt with an attached collar embodying my invention,

Fig. 15 is a sectional view along the line 15 of Fig. 14, and

Fig. 16 is a view corresponding to Fig. 15 indicating a different method of seaming.

Referring to the drawings where like numerals designate similar parts throughout, I have indicated in Figs. 1–5 a two-in-one

shirt of the character above indicated. The shirt embodies a body 1 and the sleeves 2. The main body 1 of the shirt may conveniently be formed of the two front pieces of panels 3 and 4, the back panels 5 and the shoulder strip 6. The front panels 3 and 4 are secured to the back panel 5 by means of special seam indicated in Fig. 1*a* showing the meeting and overlapping edges 7 of the panels turned over and under and secured by a double line of stitching 7′ whereby the seam has identically the same appearance on both sides and whereby a particularly strong and durable fastening is effected. The panels preferably overlap sufficiently to enable the edges 7 to be turned under and toward each other without actually meeting, as indicated, thereby effecting a smooth neat seam and avoiding the necessity of stitching through more than three layers.

The seam for the sleeve strips is indicated in Fig. 1*b* and is similar to the side seams (Fig. 1*a*) of the main body. The sleeves are secured to the main body panels 3, 4 and 5 and the shoulder strip 6 by means of a special seam indicated in Fig. 6, showing the joining edges 8 of the two parts turned over and under to form the two identical seams indicated, this being similar to the seam of Fig. 1*a*. In the particular embodiment illustrated in Figs. 1–5 inclusive the shoulder strip 6 is formed of a double layer and the upper edge of the rear panel 5 is conveniently sewed in between the inwardly turned and upwardly disposed edges 10 of the shoulder strip with the single line of stitching 10′ indicated. The panels 3 and 4 are secured to the shoulder strip 6 with a seam (Fig. 4*a*) similar to the seam indicated at the joining edges of the rear panel 5 and the shoulder strip, all of these seams having the same appearance on either side. The collar band 11 is formed of a quadruple layer indicated in Fig. 5 to afford the desired body and stiffness and to form the folded-over side 12. The double layer shoulder strip has its upper edge caught between the double layer 13 of the main body of the collar band and the single line of stitching 13′ indicated secures the parts together. The outer double layer 13 is integrally formed with the outer double layer of the folded-over side part 12 and the parts are stitched together along the line 12′ indicated at the upper edge of the collar band, the inner layers of 12, 13 being indicated as of separate strips. The double layer 13 of the collar band and the folded-over portion 12 thereof are both provided with alined button holes 14 for the reception of a collar button on either side, the shank 15 of the button being contained within the two parts 12 and 13 so as to avoid contact with the wearer.

The shirt is of the coat type and the lapels 16 and 17 are of the special design indicated, each of them including a separate elongated strip 18 which is folded longitudinally of itself at its middle point and positioned over the rough edge 1c of the panel 3 (and 4). The inner edges 20 of the strip 18 are turned inwardly and backwardly and the parts are stitched together along the two rows of stitching 18′ and 19′ indicated so as to form a double or an identical seam and appearance on either side of the meeting lapels. These meeting edges or lapels 16 and 17 thus formed are provided with alined button holes 21 and I have provided a special button unit which is readily separable from an attachment to the two-in-one shirt and capable of shifting from one side to the other, depending upon which side is being utilized as the outside of the shirt and which reinforces the lapels 16 and 17 and render it possible to employ strips 18 of light weight material or no reinforcing strips 18 at all. This special buttoning and reinforcing arrangement includes a special tape 22 of sufficient body and strength to carry the buttons 23, but nevertheless sufficiently pliable and flexible to accommodate itself readily to the main body of the shirt so as not to give any undue stiffness thereto or impair the dress lines thereof. The tape 22 may be of a double layer of cotton cloth or linen.

The sleeves 2 have attached thereto the French cuffs 25, these cuffs being foldable along the line indicated at 26 and being readily foldable in either direction for wearing either side of the cuff out. The end of each sleeve is slit to accommodate it to the French cuff and, as indicated in Figs. 1 and 7, separate fabric strips 27 are applied to the rough edges of the slit and folded over to effect an even appearance on both sides of the sleeve. In order to avoid any prolongation of the slit during wear and to avoid frazzled edges, I have indicated the cross-stitching 28 at the beginning of the slit. The strips 27 are folded over at their edges 27′ and the edge 2′ of the shirt sleeve is folded over against one of the edges 27′, the parts are firmly fastened together by means of the lines of stitches 28′.

In the cutting of the shirt the panels 3, 4 and 5 and the shoulder strips 6 and sleeve parts 2 are given sufficient material to not only provide for the sufficient fullness to the shirt, but also to provide for the special seaming indicated, so as to eliminate a wrong side, both sides of the shirt being similar and right sides and the wearer being able to wear either side out indiscriminately and at will with the same identical design, fit and workmanship of shirt. If, for example, upon the shirt becoming soiled on one side or upon one side becoming worn, the wearer may reverse the sleeves inside out and by shifting the cooperating button and reinforcing unit 22 to the under side of the other lapel, the shirt

remains identically as it was before reversal, the left or right hand button arrangement being retained in accordance with the desires or tastes of the wearer. The cuffs 25 are also reversed by folding the other way and the button and the collar buttons including the one with the shank 15 are likewise reversed. As indicated above in the making of the shirt the parts are assembled together and sewed so as to give the same appearance on both sides, both as to the character of the seam and as to the lines of fit of the shirt, including the desired fullness 29 under the armpits and the fullness 30, if desired, in the back.

In Fig. 6*a* I have indicated a modified seam which may be used in the place of the seam indicated in Fig. 6 for the main parts of the shirt, this seaming being formed by the interlocking folded-over edges 47 of the meeting panels or parts of the shirt. In Fig. 7*a* I have indicated a slightly modified method of finishing the slitted end of the sleeve, this including a single piece or strip 31 which is folded over upon itself and against the edges of the slits to form the finished appearance desired on both sides. The portion of the strip 31 disposed at the beginning of the slit may be folded over and sewed down in the manner indicated generally at 32 in Fig. 7*a*.

In Figs. 10, 11 and 12 I have indicated a slightly different method of assembling the collar 11′, the shoulder strip 6′ and the rear panel 5′. According to this method the layer 34 of the shoulder strip 6′ has its lower edge sewed along the line 36 to the other layer 35 of the shoulder strip 6′ and the rear panel 5 of the shirt before it is folded upwardly against the other layer 35 for fastening or sewing between the parts 13 of the collar 11. The line of stitching 36, therefore, appears only on one side of the shirt, the layer 34 on the other side concealing the stitching. In Fig. 13 I have indicated a modified lapel arrangement wherein the single facing strips 37 are secured to the lapels or meeting edges 16′, 17′ of the shirt. These strips 37 may be of very light material and are secured to the reverse sides of the lapel so that when the two-in-one shirt is worn one of these strips 37 is on the outside, whereas the other side is on the inside, their positions being reversed when the shirt is reversed for wearing on the opposite side. These lapels 16′, 17′ are formed with alined button holes as indicated and are adapted to receive the button and reinforcing device 22 in a readily attachable and detachable manner. The use of the device 22 renders it possible to eliminate the facing or reinforcing strips 37 altogether, as for example by making a double turnover of the panel edges and by using the device 22 as the sole reinforcing or body-giving means for the lapels.

In Figs. 14, 15 and 16 I have indicated my invention as embodied in a shirt with a permanently attached collar 38, the shoulder strip being indicated at 39 and the panels corresponding to the panels 3, 4 and 5 being indicated at 40, 41 and 42. The collar 38 is formed of a double layer of linen and of course no neck band 11 is necessary in the particular design here illustrated. The collar is suitably attached at one edge 43 to the shoulder strip 39 by means of any suitable seam, as for example the interlocking seam indicated in Fig. 15. The collar is sewed or otherwise bound together along the line 44 so as to form a folding wing 45 which may be folded along the edge 44 to either side, depending upon which side of the shirt is being worn outside.

In Fig. 16 I have indicated a slightly different character of seaming 46 for joining the collar to the body parts of the shirt, including the shoulder strip 39 and the panels 40 and 41. It is understood that the shirt illustrated in Fig. 14 has identical seaming throughout the body of the shirt, so as to enable the wearing thereof with either side out at will with the same satisfaction as to wear, comfort and appearance.

Having thus described my invention, what I claim and desire to protect by Letters Patent, is the following:

1. A reversible shirt having a body formed of a back panel and two front panels which are overlappingly joined and fastened together with their edges turned under and inwardly toward each other with two lines of stitching therethrough, one on each side of the seam and passing through three thicknesses so as to form durable and permanent right side seams on both the inner and outer sides of the shirt, a combined shoulder and yoke strip formed of a double layer of material and secured across the upper edges of the panels with their edges turned inwardly and embracing the upper edges of the panels, a collar band attached to the shoulder strip and the two front panels, said collar band being formed of a quadruple layer of fabric, the outer layer consisting of an integral piece folded over and the two inner layers being formed of separate pieces, the four layers being stitched together at the upper folded edge, the shoulder strip and the front panels being secured between the two layers on one side of the collar band and the folded over portion having a button hole alined with the button hole of the other portion of the collar band and the two front panels having their edges hemmed and formed with alined button holes.

2. In a shirt of the character set forth in claim 1 wherein the sleeves are formed with seams similar to the seams of the shirt panels and are attached to the shoulder strip and the panels by means of identical seams and wherein the sleeves are provided with reversible cuffs attached to their slitted free

ends and the adjacent edges of the slitted ends are hemmed and reinforced by means of facing strips folded and attached along the edges.

In testimony whereof, I have signed my name to this specification.

WALTER H. CAUNITZ.