This is a divisional application that is directed to a certain part of the subject matter disclosed in my co-pending application Serial Number 55,431, which was filed September 12, 1960, and now Patent No. 3,107,357.

This invention relates, in general, to collar including garments, or collar including articles of wearing apparel for men, women, and children and infants, such, for example, as shirts and the like; and more particularly concerns unique garments of this type, as well as unique integral construction units which comprise a collar and a special garment insert member arranged to dependently extend from the collar.

Collar including garments, or collar including articles of wearing apparel, such as shirts and the like, have hitherto been provided in a great variety of different types, styles, and embodiments. During my continuing activities in the manufacture and sale of such garments for the past thirty years, many changes and improvements have been made in these garments which have progressively enhanced their style, design appearance, lasting quality, wearing comfort, etc. Nevertheless, in all such garments, the juncture area and arrangement where the collar is joined with the garment body, has remained substantially the same in general construction, function and appearance. Modern collar including garment manufacturing and commercialization methods and practices, established to best satisfy the prevailing desires and attitudes of the present day purchasers of such garments, has resulted in a situation involving manufacturing and exploitation procedures, demands, requirements and conditions in accordance with which the continuous lack of improvements in the said juncture area and arrangement has brought about an ever increasing realization and awareness in the trade that this garment item has become more or less unsatisfactory, old-fashioned or obsolete. In view of this, there has existed a long felt need in this field for a practical and effective solution to the problem of overcoming the detrimental aspects and phases in the trade resulting from the provision of modern collar including garments with the said same old-fashioned juncture area and arrangement.

One object of my invention is to provide novel collar including garments, or collar including articles of wearing apparel, such as shirts and the like, which, in a practical and effective manner, solve the said problem and overcome the indicated and other detrimental aspects and phases of the prior art practice and procedure here involved.

Another object is to provide such collar including garments having certain structural and functional features of advantage over the similar garments of the prior art.

A further object is to provide a novel collar including garment insert structure comprising a collar of any desired style and construction having a garment insert member that is integrally formed with said collar and arranged in dependently extended relation therewith.

Another object is to provide a such a garment in which an integrally formed collar including garment insert member may be provided in an unlimited variety of shapes and sizes designed to impart to the garment various new, modernistic, structural, functional and appearance features of advantage.

It is also an object to provide such a garment insert structure in which the said garment insert member may extend from its area of integral connection with the collar, sidewise of the garment in both directions.

With these and other objects in view which will become more readily apparent from the following detailed description of the various practical and illustrative embodiments of the improvements shown in the accompanying drawings, my invention comprises the novel collar including garments or articles of wearing apparel, insert units, elements, features of construction and arrangement of parts in cooperative relationship, as more particularly indicated and defined by the hereto appended claims.

The present divisional application is directed to the form of my invention disclosed by FIGURES 6, 7, 8, 9, 10, 11, 12, 22-A, 27 and 28 of the drawings of my said Patent Number 3,107,357, which figures are shown in the accompanying drawings and in which:

FIG. 1 is a front elevational view of a form of garment insert unit in accordance with my invention, which comprises an integral combination collar, shield-like element and yoke-forming member.

FIG. 2 is a top edge view of FIG. 1.

FIG. 3 is a vertical sectional view taken substantially as indicated by the arrows 3-3 in FIG. 1.

FIG. 4 is an elevational view of one of the separate parts or material pieces embodied in the unit of FIG. 1.

FIGS. 5 and 6 are, respectively, front and rear elevational views of the unit shown in FIG. 1, as it appears when folded in the manner of its inclusion in a garment or shirt.

FIG. 7 is a front elevational view of a garment or shirt body which is adapted to have incorporated therein the insert unit depicted by FIGS. 1-6.

FIG. 8 is an elevational detail sectional view, taken substantially as indicated by the arrows 8-8 in FIG. 7, and

FIGS. 9 and 10 are, respectively, front and rear elevational views of a completed garment or shirt in accordance with my invention and more particularly disclose the part thereof having embodied therein the insert unit of FIGS. 1-6.

It will facilitate an understanding of my invention to first briefly consider some of the more important aspects and phases thereof so that these may be kept in mind when subsequently reading the detailed description of the novel, practical and illustrative embodiments of my improvements shown in the accompanying drawings.

Accordingly, it is noted that my invention comprehends the provision of two garment articles or items, that involve the same inventive concept and are consequently coextensive or co-related with each other, namely (1) novel collar including garments for men, women, children and infants, such as shirts and the like, and (2) novel integral garment insert units which enable the provision of such articles of wearing apparel.

As previously indicated, in modern collar including garments, the juncture area and arrangement at the location where the collar is joined with the garment body, has remained unimproved for many years and is today the same in general construction, function and appearance as it was before such garments were provided with the more or less extensive modernization features now embodied therein. The said juncture area and arrangement usually comprises a seam connection between the collar unit and an adjacent upper edge portion of a separate garment body member. This seam connection is usually effected by an overlock stitch formation, or some other standard or conventional stitch formation. Such a seam connection or stitch formation, in conjunction with the thickness or bulkiness of the various fabric pieces involved, produces a horizontal ridge-like or rib-like area that protrudes inwardly beyond the adjacent surface of the fabric members joined thereby and consequently
results in a rough, irritating, uncomfortable, or otherwise undesirable contact condition with the skin. Furthermore, the said juncture area and arrangement does not lend itself to more than a very limited degree of variation in the construction, function or appearance of the garment at this location.

In accordance with my invention, the said juncture area is provided with an integral and, therefore, smooth, continuous skin contact surface and is otherwise endowed with qualities and characteristics which enable the embodiment, at the said juncture area in modern collar including garments, of a substantially limitless variety of novel structural, functional and appearance features of advantage. This will become apparent from the practical exemplifications of my improvements shown in the drawings and the detailed description thereof hereinafter set forth. In connection with the reading of said description it will facilitate recognizing the said features of advantage of my invention by referring to the listing of the more important such features, which follows:

The said juncture area and arrangement of my invention, in comparison with that of the prior art is:

(1) Structurally stronger.
(2) Presents a smooth uninterrupted skin contact surface that provides better wearing comfort and adds a therapeutic advantage.
(3) Provides a uniform finish area.
(4) Lends itself to a more uniform and precise manufacturing method and procedure.
(5) Requires less skilled labor in its production.
(6) Eliminates certain operations heretofore required.
(7) Opens the field to a new, improved and substantially limitless variety of collar including garment structures and styles.
(8) Enables the use of woven and knitted textile materials made on substantially any type machine and the use of such materials in pattern or texture formations arranged vertically, horizontally, cut and in interlocking fashion or otherwise.
(9) Makes possible new and attractive appearance combinations between the collar and adjacent garment areas.
(10) Enables greater economy in labor and materials.
(11) Better serves as a garment reinforcement at its place of location.
(12) Enables style modernization at its place of location in line with the style trend and modernization of the other parts of the garment.
(13) Supplies a long felt need for improvement and perfection at its location of embodiment in garments which include a collar.
(14) Provides a better and more comfortable fit of the garment at its place of location.

Since the material of which the collar, or a certain portion thereof is made, is the same as that of which the garment insert member is made, as established by their integral connection, the garment insert member in texture, pattern, color, etc., can be made to correspond with the collar, or with a certain portion thereof.

To indicate the general scope of the structural, functional and appearance versatility of my improvements, four different practical and exemplary embodiments thereof are shown and described in my said Patent Number 3,107,357, the present divisional application being specifically directed to embodiment No. 2 thereof.

In this connection, it will be understood by those skilled in the art that the exemplary embodiments of my invention herein disclosed are more or less suggestive of many more similar embodiments which can be provided in accordance with my invention, to supply the present and future collar including garment manufacturing trade with the features of my invention to any extent desired in accordance with the prevailing and future style and other trends.

EMBODIMENT No. 2

Embodiment No. 2 of my invention is illustrated in the drawings by FIGS. 1-6 inclusive and FIGS. 7, 8, 9 and 10.

In these illustrations, FIGS. 1-6 more particularly show the various component parts of a second form of novel integral insert unit for collar including garments and their combined relationship. The said unit is generally identified by the reference character U.

The unit U, up to a certain point, is like the already described unit U of my said Patent Number 3,107,357. Therefore, to avoid redundancy of descriptive matter, the parts of the unit U which are like those of the unit U, are identified by corresponding reference characters having the exponent 1 added thereto for purposes of differentiation.

In the unit U, a lining or reinforcing material, such as the lining material R included in the unit U, has been omitted for simplification of disclosure. It will be understood, however, that the unit U can be provided with a lining material, in the same or a similar manner as the unit U, if so desired.

The unit U, when in flat condition, appears as shown in FIG. 1. The upper collar forming section 2 of the unit U is folded or turned downwardly to effect a double-pley collar formation and the latter is then additionally turned circularly, to bring the free ends thereof together, the various parts of the unit U will be arranged relative to each other as illustrated by FIGS. 5 and 6.

FIG. 7 shows a garment or shirt body B for men, which is of the standard or conventional type and design having a suitable cut-out section 6 for receiving the said unit U, and FIGS. 9 and 10 illustrate a completed garment, or shirt S, for men, made in accordance with my invention by having incorporated therein the said unit U, after the latter is in finished condition.

The parts of the unit U may be made of textile materials of the same type as the parts of the unit U shown and described in my said Patent Number 3,107,357. The unit U mainly differs from the already described unit U in that the outside fabric piece 1 thereof is provided with two opposed integral sections or extensions 16 and 17 of somewhat triangular shape, and in that the inside collar forming section or fabric piece 2, besides being provided with an integral shield-like garment insert member I, is also provided with two opposed integral sections or extensions 18 and 19 of corresponding size and shape to the sections 16 and 17 of the outside fabric piece 1.

If desired, the shield-like garment insert member I may be made of a different shape than that shown in FIG. 1. For example, the bottom end thereof instead of being curved can be made straight, as indicated by the dot-and-dash line 20.

When the unit U has been completed to the point where its formation is as illustrated by FIGS. 1, 5 and 6, it is subjected to the usual and well known prior art finishing method, practice and procedure that will effect its inclusion in a shirt body of the conventional type illustrated by FIG. 7, so as to effect appearance of the completed unit U in a completed shirt S as illustrated in FIGS. 9 and 10. That is to say, the usual prior art procedure is followed to effect the combining of the unit U with the shirt body shown in FIG. 7, substantially as previously indicated in connection with the description of the first embodiment of my invention, such procedure including the seaming or stitching together of the corresponding edges of the unit U and the edges of the cut-out section 8 and all other operations required to effect finishing of the shirt S. In this connection such items as buttons and buttonholes, or some other conventional and separable fastening means may be added to effect closing and opening of the shirt front in desired manner and as indicated, and the front bottom end of the unit U may be united to provide a triangular or otherwise shaped, stitched
or seamed together connection of the lower end of the placket arrangement with the shirt body.

Concerning the four different embodiments of my invention, all of which are disclosed in my said Patent Number 3,107,357, it is to be particularly noted that embodiment No. 1 illustrates a garment, or shirt for men, having a two-ply collar formation provided with a portion at the rear thereof adapted to be positioned adjacent to the nape of the neck of the garment wearer and from the inner ply of which portion dependently extends a special integral garment insert member I. Embodiment No. 2 shows a similar arrangement in which the special integral garment insert member I likewise dependently extends from the inner ply of the said two-ply collar portion. In Embodiment No. 3, the special integral garment insert member I dependently extends from the outer ply of the said two-ply collar portion and in Embodiment No. 4 the special integral garment insert members I and 30 dependently extend from both the inner and outer plies of said collar portion.

It is also to be understood that the references made herein to the joining of parts by seams or stitches, is not to be construed as limited to such means for joining the respective items, since the latter may, if desired, be otherwise joined by any prior art means of the type utilized for this purpose in the garment manufacturing practice.

Furthermore, it is to be understood that my invention includes single-ply collar structures, as would be provided, for example, if only the integrally combined fashioned finished edge collar-forming fabric piece 2 and insert member I of FIG. 1 disclosed in my said Patent Number 3,107,357 were utilized to provide the garment insert unit.

Of course, it will be understood by those skilled in this art that the improvements specifically shown and described, can be changed and modified in various ways without departing from the invention herein disclosed, the scope of which is more particularly indicated and defined by the hereto appended claim.

I claim:

1. A garment of the character described comprising: a fabric structure forming a front body portion of the garment; a fabric structure forming a rear body portion of the garment which rear fabric structure is provided at its upper end with an attaching edge, and which rear fabric structure is connected with said front fabric structure of the garment; a fabric unit having at its upper end an upstanding collar that includes two material sections forming inner and outer components of said collar, the outer collar component being integrally formed with the fabric structure forming said front body portion of the garment and said outer collar component being provided at its lower end with an attaching edge in correspondence with the attaching edge at the upper end of the fabric structure forming said rear body portion of the garment; means connecting said attaching edges; and a shield-like element integrally formed with the inner component of said upstanding collar, which element extends downwardly beyond the connected attaching edges of said rear body portion of the garment and outer collar component.

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