June 10, 1941. R. B. PIERSON 2,244,802

COLLAR

Filed April 3, 1939

Fig. 1

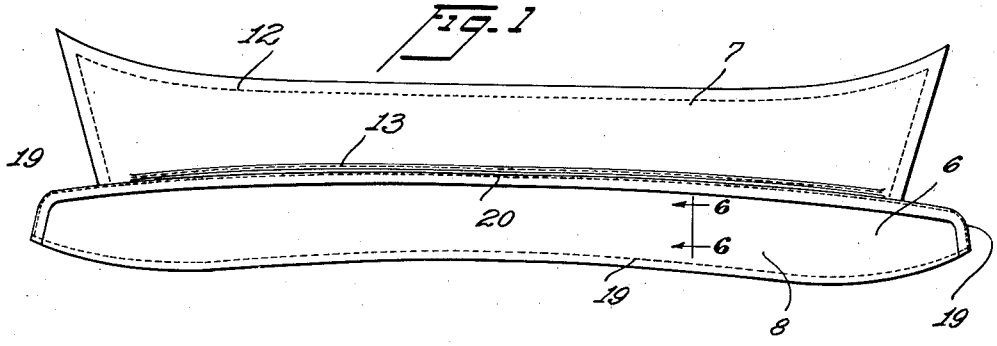


Fig. 2

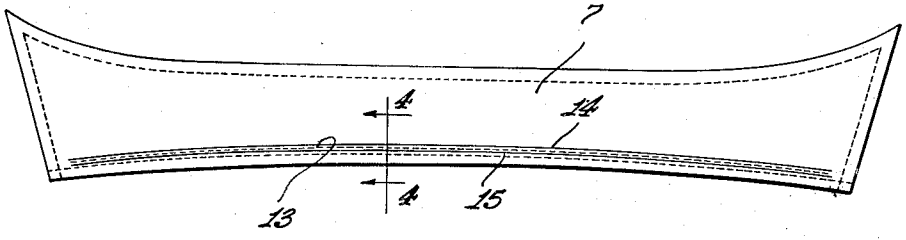


Fig. 3

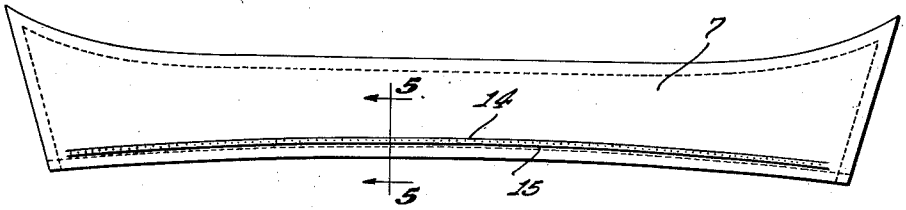


Fig. 4

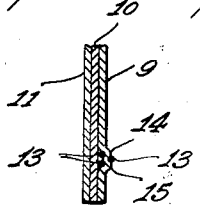


Fig. 5

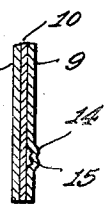
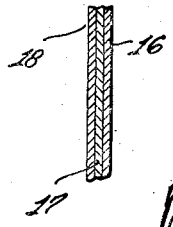


Fig. 6



Inventor
Ridgely B. Pierson

By Eugene G. Green
his Attorney

Patented June 10, 1941 2,244,802

UNITED STATES PATENT OFFICE

2,244,802

COLLAR

Ridgely B. Pierson, Quincy, Ill.

Application April 3, 1939, Serial No. 265,831

4 Claims. (Cl. 2—131)

This invention relates to the construction and manufacture of collars and cuffs for wearing apparel and more particularly to the folding collars of men's shirts.

The main object of the invention is to provide a collar which will fold easily and smoothly along a predetermined folding line. The folding line is produced by sewing a heavy thread chain stitch to the back of the collar, that is near the bottom of the top or fold over portion of the collar, then fusing the top portion of the collar, then banding the same, and finally removing the thread of the chain-stitching. In the fusion of the top portion of the collar the chain-stitches prevent that portion of the same from fusing, and thus when the threads are removed a line is formed which is not fused thus forming a neat means of producing a fold line, the upper part of the collar when being folded down always folding along this one fold line.

The invention is illustrated in the accompanying drawing in which:

Figure 1 is a plan view of a finished collar unfolded and laid flat, showing the inner surface of the collar;

Figure 2 is an inside plan view of the top or main collar portion, showing a line of chain-stitching near its bottom side;

Figure 3 is a view similar to Figure 2, only with the thread of the stitching removed;

Figure 4 is an enlarged section on the line 4—4 of Figure 2.

Figure 5 is an enlarged cross sectional view on the line 5—5 of Fig. 3;

Figure 6 is an enlarged sectional view of the lower part or neck band portion of the collar.

In the drawing 6 indicates the collar generally having a top or fold over portion 7 and a neck band portion 8. The top or fold over portion is made of three plies or pieces comprising an inner piece 9, an intermediate or stiffening piece 10 preferably made of some collodial cellulose derivative product which will fuse when put under sufficient heat and pressure and outer or face piece 11. The marginal portions are turned back upon themselves and sewed as indicated by the stitching 12 which is ordinary with collars of this type. Thus it will be readily seen that after the inner and outer portions of the collar are stitched together with the cellulose stiffener carrying piece 10 placed between the two layers and when the same is subjected to heat and pressure of a sufficient amount the stiffener 10 will fuse with the inside and outside pieces 9 and 11 and produce a top fold portion of required stiffness to retain its shape and always look well.

Now referring more particularly to what is considered the essence of the present invention, the top or fold over portion has near its lower edge a line of chain-stitching 13 produced by any well known type chain-stitch sewing machine, the thread used being rather heavy for a purpose later to appear. It will be noted that the chain-stitching, by preference, does not extend completely to the sides of the collar although it may do so. It will also be understood that the chain-stitching is applied to the inside piece 9 prior to the fusing above referred to or before the top fold over portion 7 is formed. During the making of the chain-stitch and as an inherent result thereof two slightly raised portions 14 and 15 are formed. Thus it will be noted that during the fusing and forming of the top or fold over portion and with the thread of the chain-stitch 13 in place, this portion or fold line will be prevented from fusing as accomplished with the rest of the collar. In other words, there will be left the unfused fold line between sections 9 and 10.

After the top portion is fused and formed the thread is easily pulled out or removed thus leaving a line which has not fused to the inner and outer pieces 9 and 11 and in this manner form a line upon which the top or fold portion may be easily and readily folded when the collar is put in position to be used. This method of forming a fold line for the collar is a convenient and cheap manner of accomplishing the desired result, especially in collars of the so-called stiff type.

The neck band comprises three layers or plies of cloth, an inside piece 16, an intermediate piece 17 which in a sense acts as a stiffener for the band and an outside band piece 18, the edges of which are folded over and all three layers stitched together in a known manner as indicated by the stitching 19. In assembling the top and band portions together, the lower end of the top portion is inserted between the layers of the band and stitched thereto as indicated by stitching 20.

It will thus be seen that I have provided a cheap, convenient, and novel means of producing a fold line in a collar of the so-called stiff type, such a fold line being very desirable in a collar of this type. If no such fold line were formed it would be very hard to fold the top or fold portion down due to the stiffness of the same.

I claim:

1. The method of producing a folding collar comprising forming an outer and inner cloth

piece and an intermediate fusible element, then stitching a line of chain-stitching near the folding zone of the inner cloth piece, then uniting these parts by heat and pressure whereby the same are fused together except at the line of chain-stitches, sewing a neck band to the lower edge of the fused element as by stitching, and then removing the chain-stitch thread and thereby forming a fold line for said collar.

2. A folding collar comprising a top or fold over portion and a lower neck band portion, the top portion being composed of an inside piece and an outside piece and an intermediate fusing element, a row of chain-stitching extending along the folding zone of one of said pieces of said top portion and adapted to form a non-fused fold line when said top portion pieces and element are fused together, and said chain stitching being adapted to be readily removed from its carrying piece.

3. A folding collar comprising a top fold over portion, a lower neck band portion, the top portion consisting of inner and outer cloth pieces, a fusible stiffening element placed intermediate the inner and outer cloth pieces, the inner piece being provided near its folding zone with a line of chain stitching, said stitching being adapted to prevent said folding zone from fusing to the fusible element and thusly forming a folding line for the top fold over portion of the collar, and said chain stitching being adapted to be readily removed from said inner piece.

4. The method of producing a folding collar which includes the forming of an outer and inner piece and an intermediate fusible element, then stitching a line of chain stitching or the like in one of said cloth pieces along the folding zone thereof, then uniting the parts by heat and pressure whereby the same are fused together except at the line of chain stitching, and subsequently removing said chain stitching whereby to leave a non-fused fold line for said collar.

RIDGELY B. PIERSON.