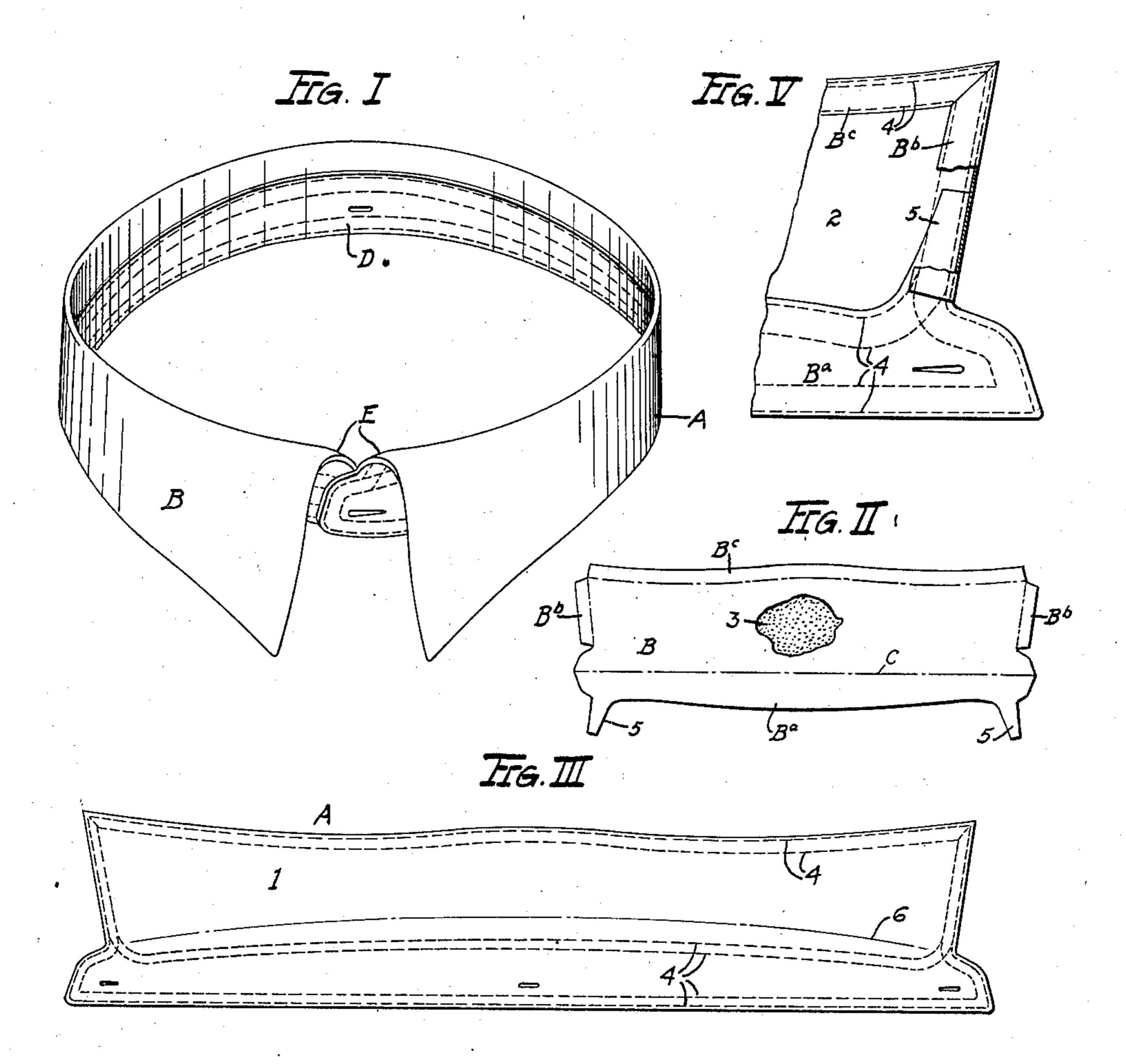
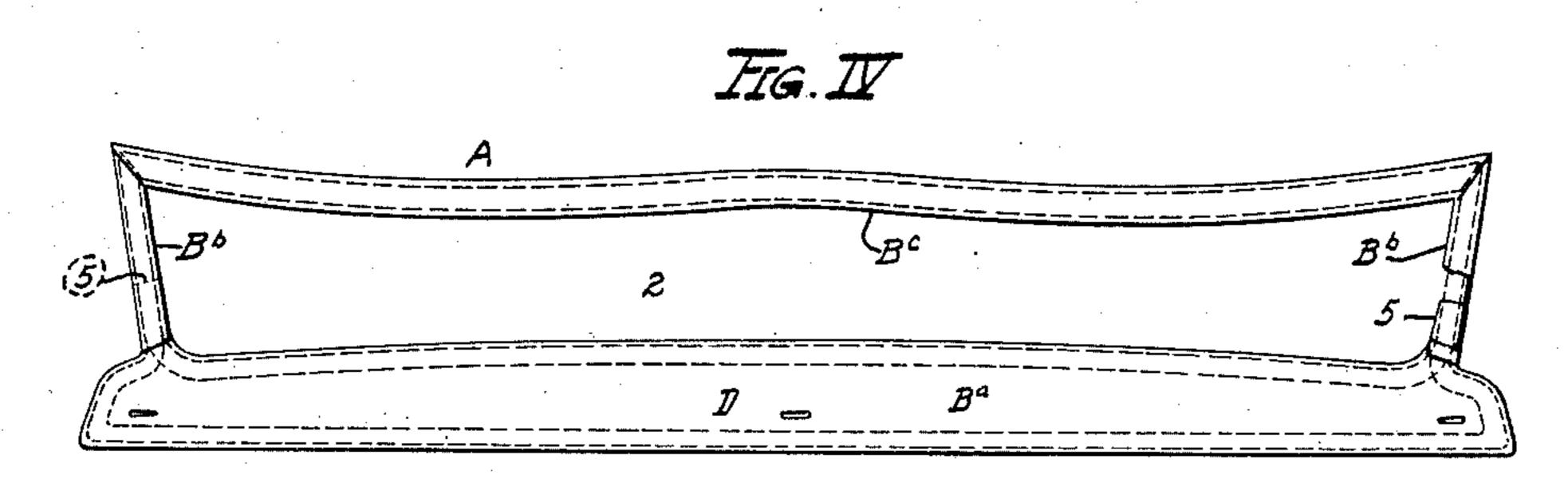
APPAREL COLLAR

Filed June 1, 1926

2 Sheets-Sheet 1

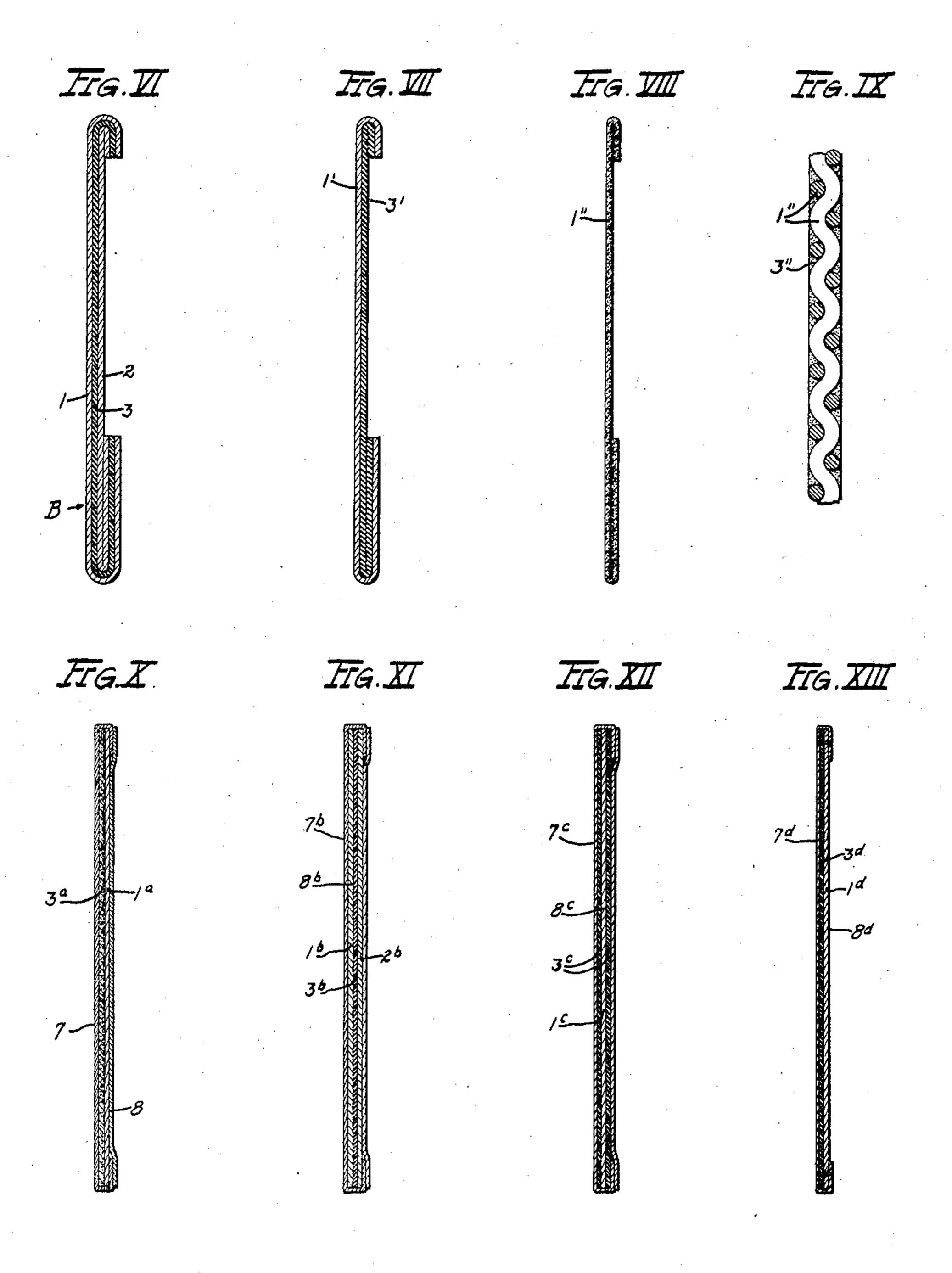




INVENTOR H.F. WATERS By Ellerte & Harrington ATTORNEYS APPAREL COLLAR

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2 Sheets-Sheet 2



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APPAREL COLLAR

Application filed June 1, 1926. Serial No. 112,795.

This invention relates generally to apparel made in accordance with the preferred form collars and particularly to an apparel collar of the invention. of the soft turn-down type, the main object of the invention being to produce a soft colficient body and elasticity to cause said collar to retain an unmussed and unwrinkled appearance when in use.

Another object of my invention is to pro-10 duce an apparel collar from fabric which is so made that raveling of said material is prevented, whereby the necessity for employing binding tape at the edge of said fabric

is eliminated.

Another object of the invention is to produce an apparel collar which is so formed that said collar is provided with a natural roll front.

Still another object of the invention is to 20 produce an apparel collar which is capable of being adjusted on the neck of the wearer with respect to the height thereof.

With the foregoing and other objects in view, the invention comprises the novel con-25 struction, combination and arrangement of parts hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown the preferred embodiment of the invention. However, it is to be 30 understood that the invention comprehends changes, variations and modifications which come within the scope of the claim hereunto

appended. Fig. I is a perspective of a collar made in

35 accordance with my invention.

Fig. II is a view on a reduced scale of the material of which the collar is formed before said material has been folded to produce the collar.

Fig. III is a view of my improved collar looking at the outside thereof when said collar is spread out flat.

Fig. IV is a view similar to Fig. III but looking at the inner face of the collar.

45 Fig. V is a fragmentary view showing the construction of my improved collar at the front thereof whereby said collar is provided with a roll front.

Fig. VI is a cross section through my im-50 proved collar showing the same as it will be

Fig. VII is a cross section through my improved collar showing the same as it will be 5 lar which is formed of material having suf- made in accordance with a modified form of 55 the invention.

> Fig. VIII is a cross section of my collar showing the same when made in accordance with still another form of the invention.

Fig. IX is a greatly enlarged fragmentary 60 section showing the fabric illustrated in Fig. VIII.

Figs. X, XI and XII illustrate modified forms of the invention, in each of which the collar is provided with a lining constructed 65 in a manner to give body and elasticity to said collar.

Fig. XIII is a cross section of my improved collar made in accordance with still another form of the invention.

In its broadest aspect my invention comprises associating with the fabric of which an apparel collar is to be formed an amount of material adapted to give to said fabric sufficient body and elasticity to cause the col- 75 lar to retain an unmussed and unwrinkled appearance when in use whereby the appearance of said collar more nearly resembles a laundered starched collar than did the soft collars used heretofore.

I have found that fabric which functions exactly as desired when made into collars may be produced by associating elastic material, for instance, rubber compound, or inherently elastic fabrics such as wool or hair- 85 cloth, with said fabric. The elastic material gives body to the fabric which causes the collars made therefrom to retain an unmussed and unwrinkled appearance under ordinary conditions, and said material also gives elas- 90 ticity to the fabric of which the collars are formed, which results in the removal of wrinkles if unusual wear causes wrinkles to appear in the collars.

The elastic material may be associated with 95 the fabric of which the collar is to be formed in a manner to produce a laminated structure of relatively elastic and relatively non-elastic materials, or, in the case of rubber compound, the fabric may be impregnated, fric- 100

Also, I may produce an apparel collar which These extensions 5 are so located that when is provided with a lining of relatively elas- the portion Ba has been folded upwardly as tic material, said lining being formed of described said extensions will be located at the fabric having an amount of rubber compound side edges of the collar immediately above 70 or inherently elastic fabric associated there- the neck band D, as shown in Fig. IV. The with, or said lining may be formed entirely side portions Bb are folded inwardly after

made in accordance with my invention, said above and in contact with the top faces of 75 collar comprising a band of fabric B cut, said extensions. In view of this arrangeshaped and formed to fit the neck of the ment it is apparent that portions of the side wearer. Fig. VI illustrates a cross section edges of the collar immediately adjacent to taken through the collar shown in Fig. I, the the collar band D comprise each three plies of 15 construction shown in the last mentioned material, while all other portions of the collar 80 view being the preferred form of the inven- are either one-ply or two-ply thickness. It is tion. As shown in Fig. VI, the material of apparent, therefore, that the portions of which the collar illustrated in Fig. I is made three-ply thickness which are at the front of comprises an outer strip of relatively non- the collar when said collar is being used pro-20 elastic fabric 1 and an inner strip of relative- vide the collar with the desirable roll front 85 ly non-elastic fabric 2. The strips of fabric as designated by the reference character E in slightly and interposed therebetween is a lay- the points designated will cause the collar to er of relatively elastic material 3, such as have a natural roll front the need for special 25 rubber compound or inherently elastic fab- ironing apparatus used heretofore for ob- 90 ric, for instance, wool or haircloth. The taining this rolled effect is eliminated. In strips of fabric 1 and 2 and the strip of ma-referring to the number of plies of material terial 3 interposed therebetween have the making up different parts of the collar I am same shape and dimensions, and because said considering the laminated band as a single 30 strips of material are firmly secured together ply material. a unitary laminated band is produced. When In Fig. III, I have indicated by the dot and the material 3 of the band B shown in Fig. dash line 6 the line on which the collar would VI is rubber compound, said compound, in be normally folded when in use. In the use addition to acting as a stiffening agent, also of a soft turn-down collar prior to this inven-35 functions as an adhesive whereby the strips of tion the folding line of the collar was at the 100 material 1, 2 and 3 are secured together to top edge of the neck band of the collar, and produce a unit, and when said material 3 is this folding line was fixed. In other words inherently elastic fabric either a separate ad- it was not possible to fold the collar on a hesive or stitches are employed to firmly se-different line and thereby provide either a 40 cure the strips of material 1, 2 and 3 to- higher or a lower collar, for if an attempt 105 gether. When the band of material B is were made to locate the fold in a lower plane formed as shown in Fig. VI, said band of ma- than its normal location it would be necessary terial is to all outward appearances a single to fold the relatively stiff neck band, which piece of material which may be cut, shaped could not be done, and if an attempt were 45 and sewed as such.

from a piece of material made as illustrated the collar would be changed and the relain Fig. VI, a piece of said material shaped tively non-elastic collars produced heretoas shown in Fig. II is arranged in a flat con- fore did not possess sufficient elasticity to per-50 dition. The lowermost portion Ba of the mit said collars to be drawn into new shapes. 115 material is then folded upwardly on the dot In the use of mv improved collar the top edge and dash line C to the position in which said of the neck band D is located some considerportion Ba is shown in Fig. IV. The end able distance away from the normal folding portions Bb are then folded inwardly and the line 6, thus permitting the folding line to be 55 top portion Be is folded downwardly, as located in a lower plane than its normal lo- 120 shown in Fig. IV. When the portions re- cation. Also the folding line may be located ferred to have been folded as described, said in a higher plane than its normal location, portions are secured in place by means of and because the material of which the collar stitches 4 or other fastening means, the por- is formed possesses some elasticity said coltions Ba functioning as the neck band D of lar may be caused to assume various shapes 125 the collar and the folded portions B^b and B^c on the neck of the wearer. providing the collar with hemmed edges. In Fig. VII, I illustrate a form of my in-

65 the collar is to be formed is provided with a fabric 1' with which is associated a layer of 130

tioned, or coated with the rubber compound. pair of oppositely disposed extensions 5. of inherently elastic fabric. the extensions 5 have been positioned as de-In Fig. I, I illustrate an apparel collar A scribed, said side portions B^b being located 1 and 2 are spaced apart from each other Fig. I, and because the added thickness at

made to locate the fold in a higher plane 110 In producing my improved apparel collar than its normal location the entire shape of

By referring to Fig. II it will be noted that vention wherein the material of which the the portion Ba of the piece of fabric to which collar is formed comprises a single layer of

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elastic material 3'. A collar made of the extensions extended at an angle to said neckmaterial illustrated in Fig. VII has all of band which are arranged adjacent to the the advantages realized in connection with a turnover portion of the collar, said turnover collar formed of the material shown in Fig. portion of the collar being provided with VI, and in addition thereto would not be as folded edges and said folded edges being so expensive to produce due to the smaller arranged that portions thereof overlap said

trated which is impregnated or frictioned thereof whereby the collar will have a roll with rubber compound 3". Fig. IX shows front, said layer of rubber compound being 75 on an enlarged scale the manner in which characterized by its ability to give resiliency threads of the fabric when said fabric is cause the collar to return to its normal un-

tion 7 within which is arranged a lining 8. The lining illustrated in Fig. X comprises a strip of fabric 1^a with which is asso-20 ciated a strip of elastic material 3a, the last mentioned strip of fabric being impregnated or frictioned with elastic compound.

In Fig. XI a lining 8b is arranged within the body portion 7b, said lining comprising a 25 pair of strips of fabric 1^b and 2^b between which is interposed a layer of elastic mate-

rial 3^b.

In Fig. XII the lining 8c, which is arranged within the body portion 7°, comprises 30 a pair of layers of elastic material 3° between which is located a layer of fabric 1°.

In Fig. XIII the lining 8d comprises a layer of fabric 1d and a layer of elastic material 3^d to which the fabric 7^d forming the 35 outer face of the collar is stitched or other-

wise secured.

An advantage realized in connection with the use of rubber compounds and similar materials in connection with my collar-forming material is that no binding tape is necessary to prevent raveling of the fabric as is the case in connection with fabrics used heretofore in producing collars.

While I have shown in the drawings and described in the specification a collar of the type which may be detached from a shirt, it is to be understood that a collar permanently attached to a shirt may be made in ac-

cordance with my invention.

I claim:

An apparel collar comprising a neckband and a turnover portion, said collar being formed of a single piece of material of laminated construction, said laminated material 55 comprising layers of fabric between which a layer of rubber compound is interposed, said layer of rubber compound being approximately co-extensive with said layers of fabric and being secured by adhesion con-60 tinuously throughout its length and width to said layers of fabric, a portion of said piece of laminated material being folded double to provide a neckband of greater thickness than the turnover portion of the collar, and 65 said neckband being provided with integral

amount of fabric employed.

integral extensions to provide the collar with In Figs. VIII and IX fabric 1" is illus- portions of increased thickness at the front the rubber compound is forced between the to the collar in every direction thereof to frictioned with rubber compound. "wrinkled condition after the fabric of the In Fig. X, I illustrate a form of my inven- collar has been flexed and the pressure which 80 tion wherein the collar comprises a body por- caused the flexing action has been relieved, without adding to the normal stiffness of the collar.

In testimony that I claim the foregoing I hereunto affix my signature.

HARRY F. WATERS.

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