April 28, 1953 R. J. COREY 2,636,178

INTERCHANGEABLE PREFORMED NECKTIE

Filed Aug. 29, 1950

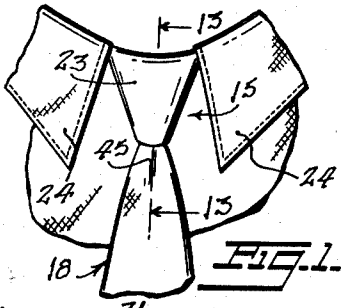


FIG. 1.

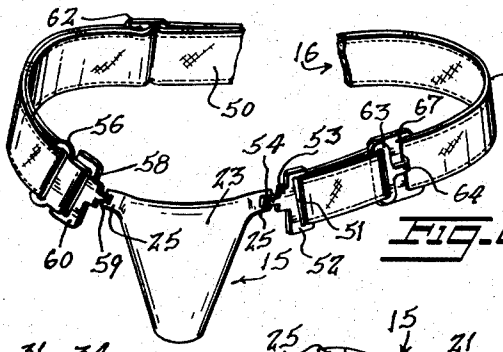


FIG. 2.

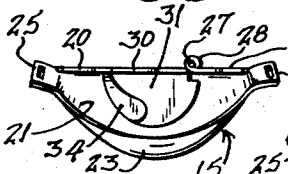


FIG. 3.

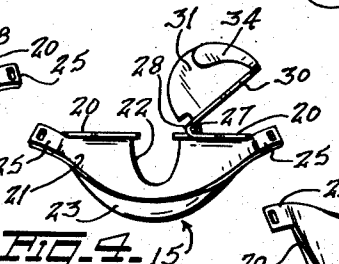


FIG. 4.

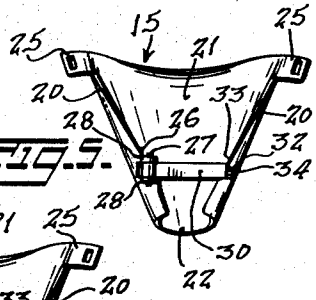


FIG. 5.

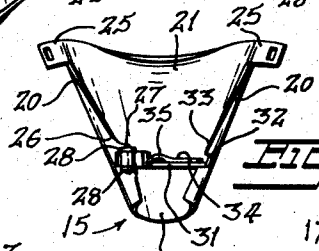


FIG. 6.

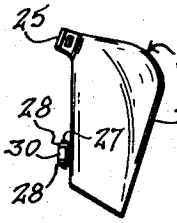


FIG. 7.

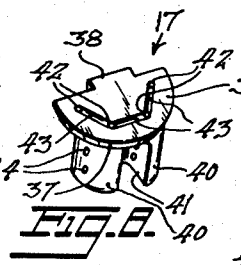


FIG. 8.

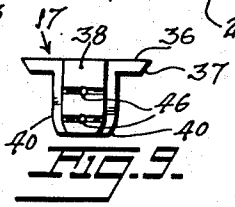


FIG. 9.

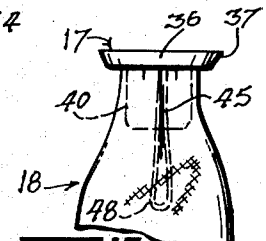


FIG. 10.

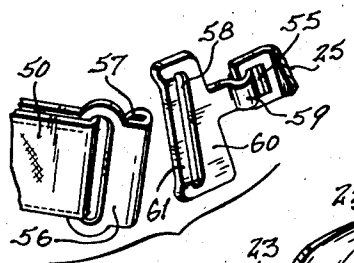


FIG. 11.

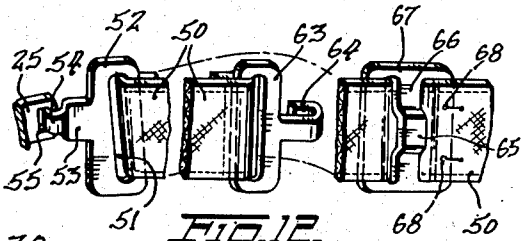


FIG. 12.

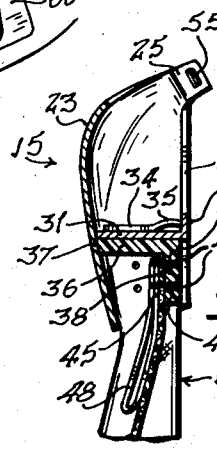


FIG. 13.

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INTERCHANGEABLE PREFORMED NECKTIE

Robert J. Corey, Brooklyn, N. Y.

Application August 29, 1950, Serial No. 182,018

5 Claims. (Cl. 2—150)

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This invention relates to new and useful improvements in men's neckwear, and has for its principal object to provide a necktie construction in which the visible drape portion of the tie, the knot portion and the neckband portion all are interchangeable.

A further object of the invention is the provision of a preformed necktie knot portions in the form of a shell usable with any of a plurality of drape and neckband portions.

Another object of the invention is to provide said preformed knot portion shell with means for tucking the drape portion of the tie thereto.

Another object of the invention is the provision of an interposer securable to said drape portion and engageable in said knot portion shell, said interposer being constructed in such manner that it stylishly curls and dimples the said drape portion.

Still another object of the invention is to construct said neckband in such a manner that the same is not only adjustable to the user's neck size but also is immediately adjustable to fit the user's collar whether the latter is open or closed.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a fragmentary frontal view of the tie of the invention associated with a shirt collar.

Fig. 2 is a perspective view of the knot and neckband portions of the tie with the latter broken away.

Fig. 3 is a plan view of knot portion shell with the locking means in latching position.

Fig. 4 is a plan view similar to Fig. 3 but with the locking means in unlatched position.

Fig. 5 is rear view of the knot portion shell with the locking means in latching position.

Fig. 6 is a rear view similar to Fig. 5 but with the locking means in an unlatching position.

Fig. 7 is a side elevational view of the knot portion shell.

Fig. 8 is a perspective view of an interposer for interconnecting the drape portion of the tie with the knot portion shell.

Fig. 9 is a rear view of the said interposer.

Fig. 10 is a frontal view of the interposer with the drape portion of the tie secured thereto.

Fig. 11 is an enlarged fragmentary perspective

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view illustrating the openable connections between one end of the neckband and the knot portion shell.

Fig. 12 is an enlarged fragmentary perspective view illustrating the connection between the other end of the neckband and the knot portion shell and also the means for adjusting the neckband to fit an open or closed collar.

Fig. 13 is an enlarged sectional view on line 13—13 of Fig. 1.

Referring now to the drawings wherein a preferred form of the invention is illustrated, particularly to Figs. 1, 2 and 10, the necktie comprises generally a knot portion shell 15, a neckband 16, an interposer 17 and a drape portion 18. The drape portion 18 of the tie consists of an ordinary necktie cut off just below the point at which the knot would ordinarily be formed.

The knot portion shell 15 preferably is formed in one piece of any desired material such as metal, plastic, bone or the like and may be of any desired color or may, if desired be fabric covered further, the same can be designed to contrast with or match the drape portion 18. The configuration of shell 15 is such as to simulate a perfectly formed four in hand knot when viewed from the front. At its rear, however, the shell 15 is open with narrow edging flanges 20 along opposite sides of the opening. As a consequence of its simulation of a four in hand knot, the shell 15 has a laterally wide opening 21 at the top thereof and tapers down to a relatively narrow opening 22 at the bottom. Top opening 21 however is extremely narrow from front to rear due to the curvature of the shell on the vertical axis as indicated at 23. In order to provide for mounting the shell in proper position relative to a shirt collar such as that designated 24 in Fig. 1, an ear 25 is bent off the shell at each upper rear edge thereof, said ears being positioned at an angle which adapts them to lie flat against the band of collar 24. The connections between neckband 16 and the ears 25 will be described hereinafter.

One rear edging flange 20 of the shell 15 is considerably widened a short distance above the under edge of the shell as indicated at 26. A horizontal cut out is provided in wide portion 26 to accommodate a pivot pin 27 which is mounted in upper and lower ears 28 bent off rearward from the flange. Coiled about pin 27 is the end of the rear, edging flange 30 of a horizontal latching member 31 in the form of a swinging shelf, see Figs. 3, 4, 5, 6, 7 and 13. The shelf 31 is of semi-spherical outline to comple-

ment the interior cross-sectional outline of the shell 15, and is of sufficient lateral width to extend into a notch or cutout 32 in a widened portion 33 of the other of the rear edging flanges 20. The member 31 is shown in latching position in Figs. 3 and 5 and in non latching positions in Figs. 4 and 6. In latching position the member 31 is located completely within the shell with the edging flange 30 thereof aligned with the flanges 20 of the shell. The member is held in latching position by means of a leaf spring detent 34 which is welded at one end to the upper face of the member and which has an upwardly extending arch 35 near its free end resiliently engaging the upper edge of the cutout 32 in the shell flange 20. To move member 31 to an unlatching position wherein it is entirely without shell 15, all that it is required to do is to overcome the pressure of spring 34.

The construction is such that an object having a tie, drape portion 18 secured thereto, and of such size as to fit within shell 15 beneath latching member 31 but not through the bottom opening 22 thereof, is effectively locked in the shell by the member 31.

According to the invention, the object to which the tie drape portion 18 is secured is the interposer 17 which preferably is formed of an easily worked plastic such as lucite. Said interposer is illustrated in Figs. 8, 9, 10 and 13 and comprises a semi-spherical disc 36 having its arcuate edge angularly undercut as at 37 to fit against the tapering wall of shell 15 immediately below the latching member 31. Projecting rearward from the flat side of disc 36 is a block 38 adapted to extend between the edging flanges 20 of shell 15 when the interposer is positioned in the latter. The block 38 also extends downward from disc 36 integral with another block 40 centrally disposed relative to said disc. The block 40 is of the same outline as disc 36 but it is smaller and is provided with a groove 41 extending substantially to the disc 36 and to the block 38. Said block 40 is, therefore, substantially in the form of a thick horseshoe.

In order that the drape portion 18 of the tie can be secured to interposer 17 in such a manner that the former is stylishly curled and dimpled, the following means are provided. The disc 36 is provided with four holes 42, two adjacent the rear corners of block 40 and two adjacent the front lip of the groove 41. The holes are adapted to receive threads utilized to secure together the interposer and the tie drape portion 18. The four holes 42 are interconnected by grooves 43 in the face of the disc, said grooves being adapted to maintain all threads below the surface of the disc and therefore out of contact with the latching member 31. A pair of vertically spaced holes 44 are also provided in each side of the block 40 to allow for the passage of threads through a loop 45 of the tie drape portion 18 inserted into the groove 41 to form a dimple in the tie. The block 38 is also provided with a vertically spaced pair of thread receiving holes 46 traversed laterally by grooves 47 in the rear face of the block. The edges of the drape portion 18 are secured in abutting relationship with the sides of block 38 by threads passed through the grooves 47 and protected from wear thereby. These threads may also secure a loop 48 made of fabric or other soft material for hanging the interchangeable drape portion 18 on any suitable hook or tie hanger when the drape portion is not worn. It will be seen therefore that by means of the just described arrangement of grooves and holes, the upper edge of the drape portion 18 can be firmly secured to interposer 17 in such manner as to provide the former with the desired curled and dimpled appearance.

The neckband 16 comprises a fabric belt 50 having one end thereof looped through an angularly positioned slot 51 of a buckle member 52. Said buckle member has an extension 53 from which a finger 54 is curled through a suitable slot 55 in one of the shell ears 25, see Figs. 2 and 12. The other end of belt 50 is looped through a slot in a hook member 56 having a tongue 57 engageable in an angular slot 58 in a buckle member 60. Like buckle member 52, member 60 has a finger 59 engaging a slot 55 in the other shell ear 25, see Figs. 2 and 11. In order that the tongue 57 will not form an uncomfortable bulge that portion of buckle member 60 which tongue 57 engages is offset outward as indicated at 61.

It will readily be seen that the hook member 56 provides a simple and effective means for securing the neckband 16 about the user's neck.

In order to adjust the length of neckband 16 to the user's requirements, the loop thereof which engages the hook member 56 also engages an ordinary adjusting buckle 62.

It is desired that when neckband 16 is adjusted to size and engaged under a user's collar, the same be immediately adjustable to allow of the said collar being opened. For example, on hot days it is the custom to lower the knot portion of the tie a short distance below its normal position and to open the collar button. To this end that portion of neckband 16 which is looped about buckle 52 has secured on its end a hook member 63 having a narrow tongue 64 engageable over the raised portion 65 of the center bar 66 of a fixed three bar buckle member 67. As best shown in Fig. 12 one side bar of the buckle member 67 is provided with a pair of holes 68 utilized in stitching the buckle member to belt 50 at the desired distance from the hook member 63.

The construction is such that when tongue 64 is engaged with bar 66 of buckle member 67 as shown in Figs. 2 and 12 the knot portion 15 of the tie is maintained in the position of Fig. 1. However if the tongue be disengaged from the bar 66 the knot portion 15 will be free to be lowered the desired distance to permit of the collar being opened.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. In a necktie, a shell in the form of a four-in-hand tie knot having an opening extended in from its rear face, said opening being tapered in width from its top to its bottom end, an interposer fitted into the bottom end of said opening, a drape portion mounted on said interposer to depend therefrom beneath said shell, and means on said shell engaged with the top of said interposer holding it fixedly in position in the bottom end of said opening, said interposer having a top disc shaped peripherally to conform to the cross-sectional shape of said opening, and a block depending from said disc and to which said drape portion is secured, said block having a groove in

its front face into which said drape portion is pressed to be dimpled thereby immediately below said shell.

2. In a necktie, a shell in the form of a four-in-hand tie knot having an opening extended in from its rear face, said opening being tapered in width from its top to its bottom end, an interposer fitted into the bottom end of said opening, a drape portion mounted on said interposer to depend therefrom beneath said shell, and means on said shell engaged with the top of said interposer holding it fixedly in position in the bottom end of said opening, said interposer having a top disc shaped peripherally to conform to the cross-sectional shape of said opening, and a block depending from said disc and to which said drape portion is secured, said disc having its peripheral edges undercut to conform with and snugly fit into the tapered configuration of the opening in said shell.

3. In a necktie, a shell in the form of a four-in-hand tie knot having an opening extended in from its rear face, said opening being tapered in width from its top to its bottom end, an interposer fitted into the bottom end of said opening, a drape portion mounted on said interposer to depend therefrom beneath said shell, and means on said shell engaged with the top of said interposer holding it fixedly in position in the bottom end of said opening, said interposer holding means comprising a horizontal latching member extended into said opening to rest on the top face of said interposer, and a flange formed on the edge of said latching member at the rear of said shell, said flange having one end pivotally mounted on said shell at one side of said opening to be pivoted relative to said shell to move said latching member out of said opening to free said interposer to be lifted vertically out of said opening.

4. In a necktie, a shell in the form of a four-in-hand tie knot having an opening extended in from its rear face, said opening being tapered in width from its top to its bottom end, an interposer fitted into the bottom end of said opening, a drape portion mounted on said interposer to depend therefrom beneath said shell, and means on said shell engaged with the top of said interposer holding it fixedly in position in the bottom end of said opening, said interposer holding means comprising a horizontal latching member extended into said opening to rest on the top

face of said interposer, and a flange formed on the edge of said latching member at the rear of said shell, said flange having one end pivotally mounted on said shell at one side of said opening to be pivoted relative to said shell to move said latching member out of said opening to free said interposer to be lifted vertically out of said opening, and means retaining said flange in a pivoted position in which said latching member is extended into said opening and engaged with the top face of said interposer.

5. In a necktie, a shell in the form of a four-in-hand tie knot having an opening extended in from its rear face, said opening being tapered in width from its top to its bottom end, an interposer fitted into the bottom end of said opening, a drape portion mounted on said interposer to depend therefrom beneath said shell, and means on said shell engaged with the top of said interposer holding it fixedly in position in the bottom end of said opening, said interposer holding means comprising a horizontal latching member extended into said opening to rest on the top face of said interposer, and a flange formed on the edge of said latching member at the rear of said shell, said flange having one end pivotally mounted on said shell at one side of said opening to be pivoted relative to said shell to move said latching member out of said opening to free said interposer to be lifted vertically out of said opening, and means retaining said flange in a pivoted position in which said latching member is extended into said opening and engaged with the top face of said interposer, said retaining means comprising a spring detent secured at one end on said latching member and having a resilient arch at its free end, said shell having a cutout at the free end of said flange engaged by said arch in the last-mentioned pivoted position of said flange.

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