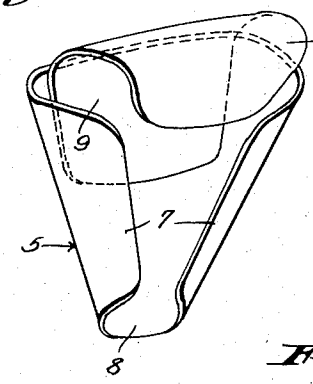
March 1, 1955 C. R. PEAKE 2,702,905

NECKTIE EMBODYING MECHANICAL KNOT

Filed Jan. 28, 1952

Fig. 1.



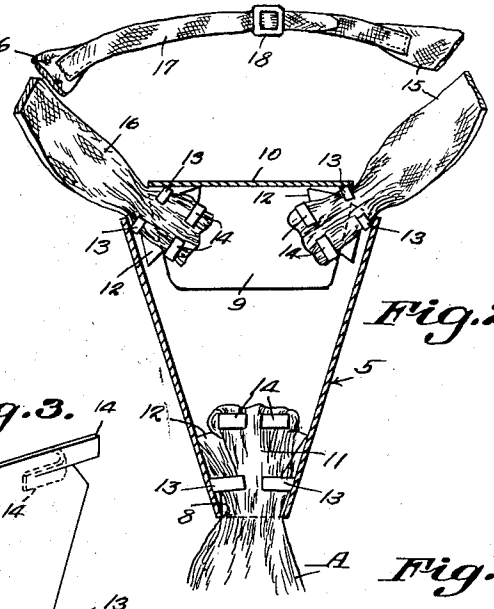


Fig. 2.

Fig. 3.

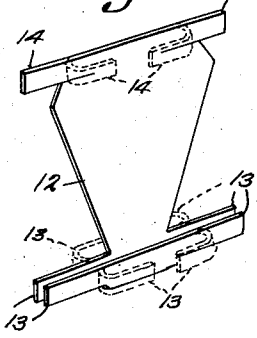


Fig. 4.

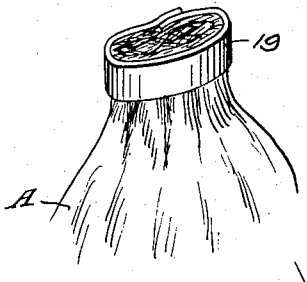


Fig. 5.

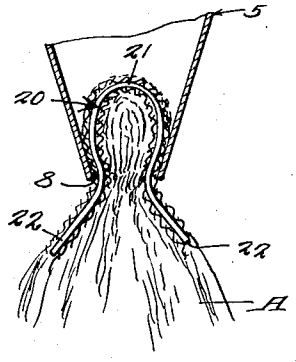


Fig. 6.

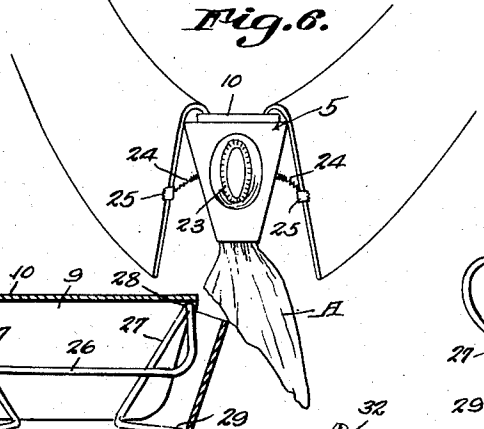


Fig. 7.

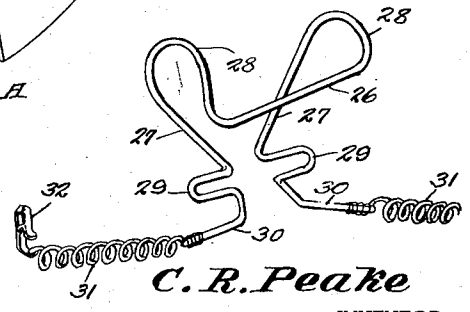
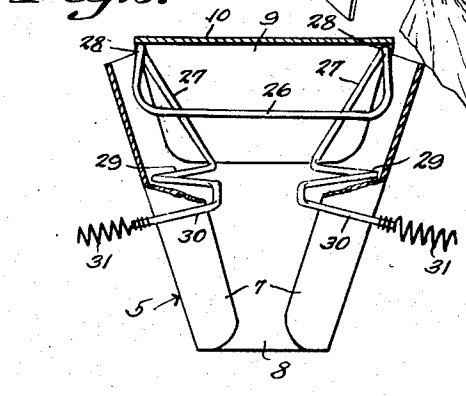


Fig. 8.



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United States Patent Office 2,702,905
Patented Mar. 1, 1955

2,702,905

NECKTIE EMBODYING MECHANICAL KNOT

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Application January 28, 1952, Serial No. 268,593

2 Claims. (Cl. 2—153)

The present invention relates to four-in-hand tie construction, the primary object of the invention being to provide a four-in-hand tie including a preformed knot constructed of suitable semi-rigid sheet material of plastic or metal capable of being bent or formed into a hollow body portion.

An important object of the invention is to provide a hollow preformed knot which is constructed in such a way that comparatively short lengths of tie cloth material may be readily and easily removably connected to the preformed knot, providing an exceptionally attractive tie having outstanding ornamental characteristics, due consideration being also given to the fact that an exceptionally cheap tie may be provided, by using the unworn portions of the conventional tie, and which are usually discarded.

Another object of the invention is to provide a preformed knot used in connection with four-in-hand knots of any desired size.

A further object of the invention is to provide means for positioning on the preformed knot to be attached to the shirt collar with which the necktie is used, providing a holding device for holding the collar down to prevent the pointed ends from turning upwardly and presenting an unsightly appearance.

Still another object of the invention is to provide a stiffening plate to be removably secured to the end of the necktie cloth insertable in the hollow knot section of the tie, to lend rigidity to the tie to hold it in place within the knot.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing,

Figure 1 is a perspective view taken from the rear of the hollow knot section of the tie.

Fig. 2 is a longitudinal sectional view therethrough, illustrating the tie cloth material as secured within the knot, the ends of the neck band being also removably held within the knot.

Fig. 3 is a perspective view of a stiffening plate which is secured to the end of the tie cloth material which is insertable in the hollow knot section.

Fig. 4 is a view illustrating a stiffening band which is secured to one end of the cloth material to be used in lieu of the stiffening plate as shown by Fig. 3 of the drawing.

Fig. 5 is a fragmental sectional view through a modified form of the invention illustrating a spring arm as a means for securing the tie cloth within one end of the knot.

Fig. 6 is a front elevational view illustrating a preformed tie knot secured within a collar.

Fig. 7 is a perspective view of a collar hold down member.

Fig. 8 is a longitudinal sectional view through a preformed knot with the hollow hold down member as positioned therein.

Referring to the drawing in detail, the necktie comprises the hollow knot section indicated generally by the reference character **5**, the knot section being constructed preferably of semi-rigid sheet material such as plastic, metal or the like, the material being such that

it may be readily bent and curved to the desired shape.

As shown, the hollow knot section comprises a substantially triangular strip of sheet material with portions of the side edges thereof curled inwardly providing spaced flanges **7**, the flanges being also spaced from the rear surface of the triangular strip of sheet material providing the necessary space therebetween.

The flanges **7** follow the general contour of the triangular strip of sheet metal, and provide the opening **8** at the pointed or narrow end of the knot section.

Secured in the wide upper end of the knot section, is the plate **9** which has an upwardly and downwardly curved end portion **10** which has its edge spaced from the upper edges of the flanges **7**, as clearly shown by Fig. 1 of the drawing.

The reference character **11** indicates a length of tie cloth material of which the major portion of the tie is constructed, the end of the tie cloth material being supplied with the stiffening plate **12** shown more clearly by Fig. 3 of the drawing. This stiffening plate **12** is substantially triangular in shape and is provided with pairs of spaced arms **13** which extend laterally from the pointed or narrow end of the stiffening plate, while at the upper end of the stiffening plate **12** are the arms **14** that also extend laterally therefrom. These arms **13** and **14** are so arranged that they may be bent over the end of the tie cloth material to be used with the preformed knot in securing the stiffening plate to the tie cloth material, the general design of the stiffening plate being such that it will wedge between the contracted ends of the flanges **7** and hold the tie cloth material, which in the present showing is indicated by the reference character A, in position. It will of course be understood that the tie cloth material is placed against the stiffening plate **12** in such a way that the forward arms **13** of each pair may be bent around the cloth material at the front of the stiffening plate, while the adjacent arms **13** may be bent around the cloth material which is positioned over the stiffening plate, at the back of the stiffening plate. The arms **14** are now also bent around that portion of the tie cloth material extending over the wide or upper end of the stiffening plate, securely holding the tie cloth material to the stiffening plate.

It might be further stated that the type of stiffening plate shown at **12** is also used on the ends **15** and **16** of the neck band, the ends **15** and **16** of the neck band being connected by the elastic strap **17** provided with the adjusting buckle **18** used to adjust the length of the neck band to meet various requirements of use.

As shown by Fig. 4 of the drawing, the bendable band **19** is provided for folding around one end of the tie cloth material to stiffen the tie cloth material and provide rigid means for holding the end of the tie cloth material within the hollow knot section.

As shown by Fig. 5 of the drawing, the yieldable wire **20** is constructed to provide the loop **21** and outwardly extended spring arms **22**. In using this form of attaching device, the end of the tie cloth material is wrapped around the loop **21** and the ends of the loop or spring arms **22** are now pressed inwardly and the device positioned within the contracted portion of the preformed knot section. It will be seen that as the arms **22** expand, the tie cloth material will be securely gripped between the loop and arms and the inner surface of the knot section.

In Fig. 6 of the drawing, the preformed knot section is provided with an ornamental stone or similar device indicated at **23** to enhance the appearance of the preformed knot. In this form of the invention, the spring arms **24** are provided and are attached to opposite sides of the preformed knot **5**, with the opposite ends thereof extending downwardly to points adjacent to the pointed ends of the collar, where the arms are provided with spring clamps **25** that clamp over the edges of the collar.

Thus it will be seen that due to this construction, the collar points will not only be held down preventing unsightly upturning, but will at the same time compensate for movements of the body and head, to maintain the collar in its proper position.

As shown by Figs. 7 and 8 of the drawing, a hold down collar member is provided, the hold down collar

member being constructed of a length of yieldable wire material bent upon itself to provide the connecting bar **26**, and leg members **27** connected by the curved portions **28**, which curved portions **28** lend resiliency to the connecting bar **26** to cause it to become tightly wedged under the upwardly and downwardly curved end portion **10** of the preformed knot with which the collar hold down member is used.

The leg members **27** are also formed with laterally extended loops **29** terminating in laterally extended arms **30**, the loops being of such a construction that they will closely fit under the curved flanges **7** of the preformed knot section.

Secured on the free ends of the arms **30** are coiled springs **31** to the free ends of which are secured clamps **32** that are designed to clamp over the edges of the collar with which the device is used.

From the foregoing it will be seen that due to the construction shown and described, I have provided a four-in-hand necktie including a substantially rigid knot section which may be made of any desirable material preferably studded with precious stones or other ornamentation, to which lengths of tie cloth material are secured in such a way that the tie cloth material may be readily and easily removed and replaced, to change the design of the tie.

Having thus described the invention, what is claimed is:

1. In a necktie, a knot member comprising a substantially triangular knot section constructed of semi-rigid sheet material, the marginal edges of said knot section being bent inwardly providing flanges spaced from the rear surface of the knot section, the adjacent ends of said flanges being spaced apart providing openings at the corners of said knot section, triangular stiffening plates fitting against the rear surfaces of said end section under said flanges, adjacent to said openings, said stiffening plates being wider than said openings preventing said plates from being pulled through said openings, a neck band having its ends extending through said openings and secured to said stiffening plates at one end of said knot section, a strip of tie material extending through the opening at the other end of said knot section, and pairs of securing arms formed integral with said stiffening plates engageable over said neck band and ends of said tie material respectively, securing said neck band and tie material to their stiffening plates.

2. In a necktie, a knot member comprising a substantially triangular section, the marginal edges of said knot member being curved inwardly over and spaced from the rear surface of the knot section, providing flanges, the adjacent ends of said flanges being spaced apart providing openings at the corners of said triangular knot section, a neck band having its ends extending through the openings at one end of said knot section, a tie section embodying a length of tie material having its ends extended through the opening at the other end of said knot section, stiffening plates disposed under said flanges and to which said neck band and tie section respectively are secured, and said plates being substantially larger than said openings, normally securing the neck band and tie section within the openings against being pulled through said openings.

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