C. J. KINTNER.

SPACING DEVICE FOR USE WITH TURNED DOWN COLLARS.

APPLICATION FILED OCT. 31, 1908.

977,100. Patented Nov. 29, 1910.

Fig. 1.

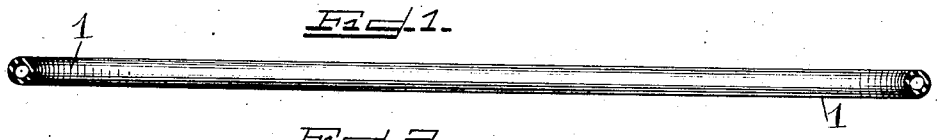


Fig. 2.

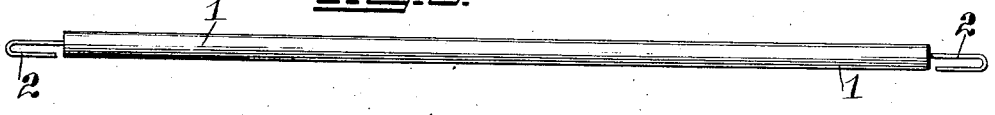


Fig. 3.

Fig. 4.

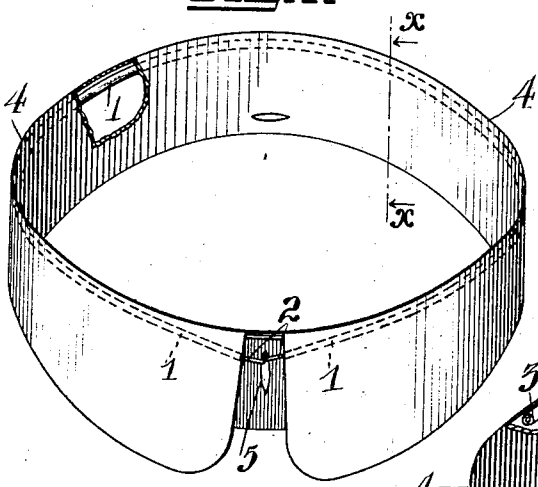


Fig. 8.

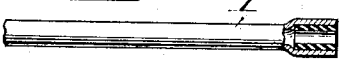


Fig. 5.

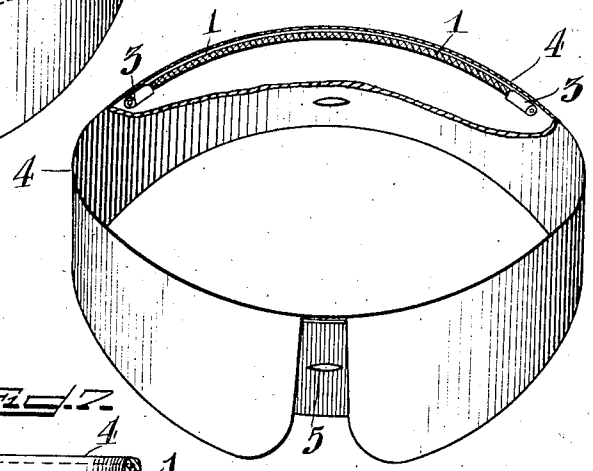


Fig. 6.

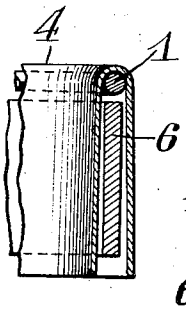
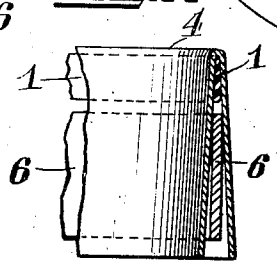


Fig. 7.



Attest:

C. S. Ashley

E. Mitchell

Inventor:

Charles J. Kintner

UNITED STATES PATENT OFFICE

CHARLES J. KINTNER, OF NEW YORK, N. Y.

SPACING DEVICE FOR USE WITH TURNED-DOWN COLLARS.

977,100. Specification of Letters Patent. Patented Nov. 29, 1910.

Application filed October 31, 1908. Serial No. 460,440.

To all whom it may concern:

Be it known that I, CHARLES J. KINTNER, a citizen of the United States, and resident of the borough of Manhattan, New York city, county of New York, and State of New York, have made a new and useful Invention in Spacing Devices for Use with Turned-Down Collars, of which the following is a specification.

My invention is directed particularly to an article of manufacture in the nature of a device adapted to afford sufficient space between the folds of a turned down collar to enable one to easily adjust a string or four-in-hand tie, and also to materially strengthen the collar so that it will maintain its shape, in the event of the user perspiring to such an extent as to take the stiffening out of it.

It is well known that much trouble is had on the part of the wearers of turned down collars in the use of string or four-in-hand ties, owing to the fact that after a tie is put in place between the folds thereof and the collar buttoned to the neck-band of the shirt, such a pinching effect results as to prevent its adjustment for effecting a properly adjusted knot in the tie. In fact, this disagreeable feature is so annoying to most wearers of turned down collars that collar manufacturers are at the present day making collars widely spread at the bottom of the folds so as to afford an angular space near the bottom of the collar for bringing about the result which the present invention is designed to effect.

My invention will be understood by referring to the accompanying drawings, in which,

Figures 1, 2 and 3 are side elevational views of modified forms thereof; and, Figs. 4 and 5 perspective views of a collar, illustrating the application of two such modified forms; Fig. 6 being an enlarged sectional view on the line *x*—*x* Fig. 4 as seen looking thereat from right to left in the direction of the arrows, the tie being also illustrated in place between the folds of the collar. Fig. 7 is a similar sectional view of the form of collar above referred to, in which there is an angular space between the folds thereof, a still further modified form of my invention being shown in this view and a tie located in place below this modified form. Fig. 8 is a side elevational view, partly in section, of one-half of the form shown in Fig. 1, with a rubber enlarging tube in the end thereof.

I accomplish an easy adjustment of a string or four-in-hand tie beneath the folds of a turned down collar by inserting within the curved space between the adjoining edges of such folds a flexible spacing device having sufficient flexibility, length and volume to afford (when the collar and tie are secured about the neck of the wearer) a narrow space between the two folds of the collar and of sufficient dimensions to enable the tie to be drawn in either direction at will, either before or after it is tied.

Referring now to the drawings in detail and first to Fig. 1, this spacing device as illustrated in this modified form consists of a soft hollow rubber tube 1, preferably about 1/8 of an inch in diameter and from 4 to 8 inches long, according to the size of the collar of the wearer.

In the modified form shown in Fig. 2 the same rubber tube is utilized and is provided with light hooks 2, 2, at its opposite ends, the function of which will be described later on.

In the modified form shown in Fig. 3 the spacing device consists of a braided cord provided with soft rubber tubular tips 3, 3, at its opposite ends. In using these modified forms of the invention the collar 4 is laid upon a table or dressing-case with the top side down and the spacing device 1 is forced firmly down between the folds until it assumes the position shown in Fig. 4. When this spacing device is of soft rubber tubing, as shown in Fig. 1, the elasticity of the tube is such as to firmly bind it between the folds of the collar. When it is of the form shown in Fig. 2 in addition to the binding effect of the tube between the folds of the collar the hooks 2, 2, are secured in the button-hole 5 after the collar is buttoned, this form having especial utility not only as a spacing device, but also for holding the collar in rigid form in the event of the user perspiring freely.

In Fig. 5 I have illustrated the manner of utilizing the modified form shown in Fig. 3, in which the spacer 1 is forced firmly down as before between the folds of the collar, the soft rubber tips 3, 3, acting as binders to frictionally hold the same in place.

In Fig. 6 I have illustrated how the invention is used with a tie 6. The tie is put

in place between the folds of the collar and the latter then buttoned to the neck-band of the shirt, after which said tie may be slipped back and forth at will, both during the process of tying and after the completed tie is effected.

With such a device I am enabled to freely shift the tie so as to obtain the best possible results. In actual practice I have obtained most excellent results with the modified form shown in Fig. 3 in which the spacer 1 is made preferably of braided glazed cord. This glazed cord is of such stiffness that together with the yielding nature of the rubber tips 3, 3 the spacer will be held securely in position in the manner shown in Fig. 5 after once placed there.

In Fig. 7 of the drawings I have illustrated the application of a further modified form to a form of collar as before stated, in which the space between the folds is of angular nature. This modified form is of the nature of a rubber strip 1 of triangular form in cross section and may be of any desired length dependent upon the size of the collar of the wearer; and also of the space between the folds, different collars of this nature having variable spaces. In this form of the invention the spacer, being of triangular cross section and preferably slightly rounded at its lower edge, may be slipped into position and its binding surface is such as to afford sufficient friction to assure its being held in position between the folds without any danger of the formation of an unsightly ridge on the outside of the collar as might occur with the form shown in Fig. 5 should the cord slip down after the collar is in place.

I do not limit my invention to any especial modified form illustrated in the drawings, as I believe it is broadly new with me to provide a flexible spacing device for a turned down collar of such a nature that by virtue of the friction between it and the inner faces of the folds of the collar it will retain its position, both during the time the tie is being put in place and adjusted to a proper position to tie the knot and of such a nature that even the knot may be slipped and tied tighter after the first adjustments have been effected. Nor do I limit myself to the use of any kind of material from which such spacing device is to be made, as obviously the same may be of metal, celluloid, paper or any other flexible material adapted to adjust itself to the formation or shape of the collar before the same is put in place around the wearer's neck. To illustrate, it might be made of coiled wire of relatively small diameter, the same being in the nature, when completed, of a coiled spring from 5 to 6 inches long, such a wire having sufficient elasticity to adapt itself to the conformation of the neck of the wearer and to hold the spacer in position in the same manner as the modified forms above disclosed are held, either with or without enlarged elastic ends.

I have met with remarkably good results with a form like that shown in Fig. 1 having enlargements at the opposite ends similar to 3—3, Fig. 3, which enlargements are effected by the insertion of short sections of rubber tubing, each about 1/4 of an inch in length, and having a diameter slightly less than the exterior diameter of the tube shown in said figure, said enlargements having sufficient yielding effect to firmly grip the inner folds of the collar and hold the device in place; a spacing device of this nature being preferably about 3/16 of an inch in exterior diameter and five inches long. This form of the invention is illustrated in Fig. 8 in which the interior enlarging tube is shown in sectional view.

Having thus described my invention what I claim and desire to secure by Letters Patent of the United States is—

1. As an article of manufacture a flexible spacing device adapted to be frictionally held in place above the rear button-hole and in the curved space between the adjoining folds of a turned down collar, when in position around the neck of the wearer, said device being of sufficient size to afford a space below it in which a tie may be freely drawn back and forth.

2. As an article of manufacture a detachable or removable flexible spacing device adapted to separate the folds of a turned down collar, when in position around the neck of the wearer, sufficiently to admit of the adjustment of a string or four-in-hand tie in the space below it.

3. As an article of manufacture a flexible spacing device provided with means for frictionally holding it in concealed position in place between the folds of a turned down collar.

4. As an article of manufacture a flexible spacing device provided with means at its opposite ends for holding it in concealed position in place between the folds of a turned down collar.

5. As an article of manufacture a spacing device for use between the folds of a turned down collar, said device being constructed of soft rubber tubing and provided at its opposite ends with enlargements.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES J. KINTNER.

Witnesses:
M. F. KEATING,
H. J. SCHUTTE.