

J. MITCHELL.
NECKTIE.

APPLICATION FILED NOV. 3, 1911.

1,057,075.

Patented Mar. 25, 1913.

2 SHEETS—SHEET 1.

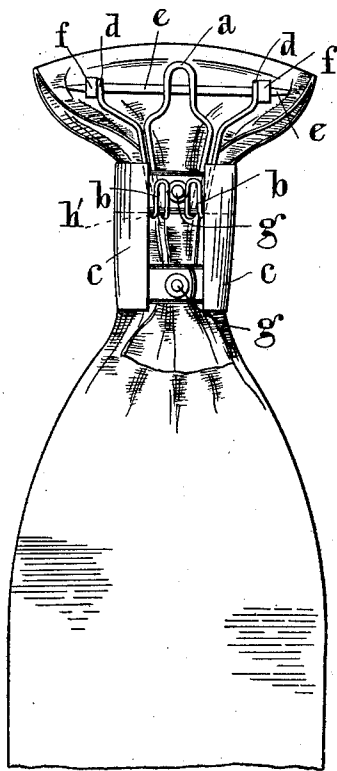


Fig. 1.

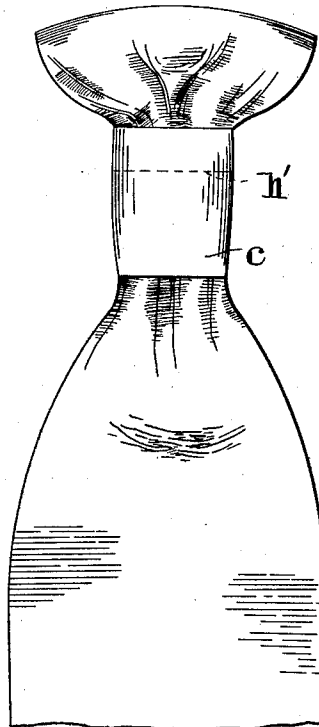


Fig. 2.

Witnesses.
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2 SHEETS—SHEET 2.

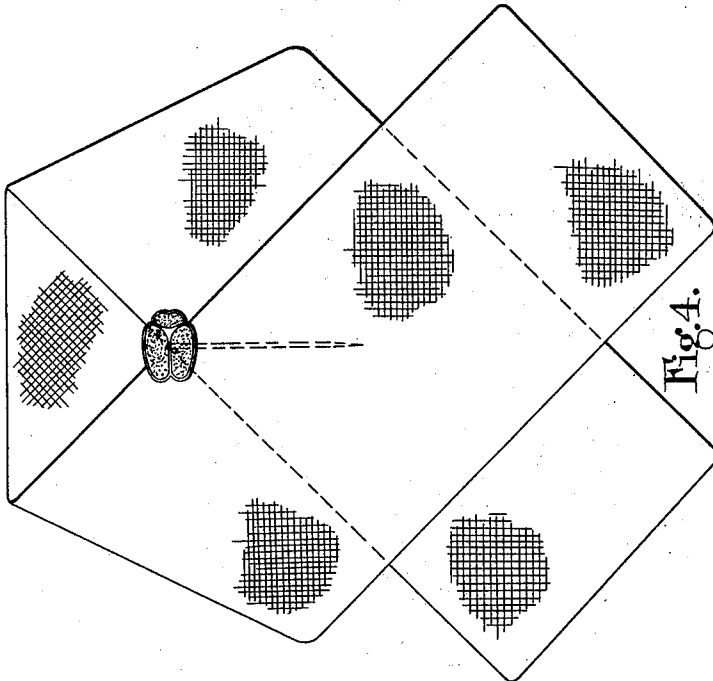


Fig. 4.

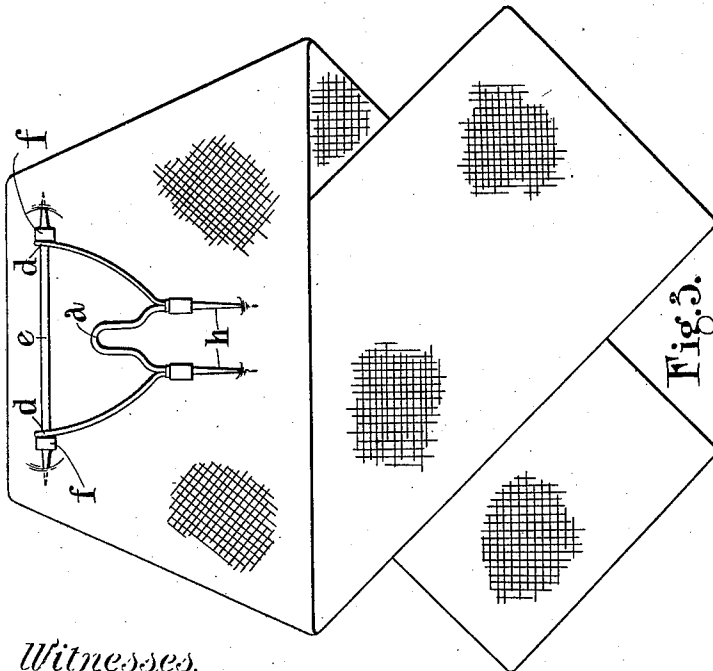


Fig. 3.

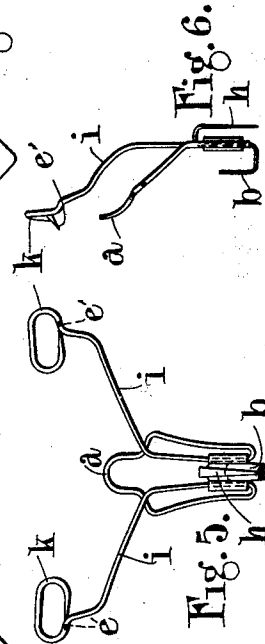


Fig. 6.

Fig. 5.

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UNITED STATES PATENT OFFICE.

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1,057,075.

Specification of Letters Patent.

Patented Mar. 25, 1913.

Application filed November 3, 1911. Serial No. 658,389.

To all whom it may concern:

Be it known that I, JOHN MITCHELL, a subject of the King of Great Britain and Ireland, and residing at Arthur street, Ponsonby, Auckland, New Zealand, have invented certain new and useful Improvements in and Relating to Neckties, of which the following is a specification.

My invention relates to neck ties and has for its object to provide an improved device acting in conjunction with the material forming the tie, so that the material may be held securely in the desired manner without the necessity of causing the tie to be encircled around the neck of the wearer.

It has been proposed to provide devices for neck ties which engage with a collar stud but in such devices it was necessary either to attach the tie in a made up manner thus preventing the worn or soiled parts being replaced or it was necessary to form the knot upon every occasion of wear.

My invention consists in a device, which engages with the collar stud in a known manner and at the same time is provided with means for detachably engaging with and laterally spreading the material of the neck tie, so as to retain it in the desired shape, and at the same time permit the unworn parts to replace the worn portions of the tie.

My invention further consists in the improved devices for neck ties to be hereinafter described.

Referring now to the accompanying drawings which illustrate my invention and form part of my specification: Figure 1 shows my invention as applied to one form of tie. Fig. 2 is a front view of the tie shown in Fig. 1. Fig. 3 shows a modification. Fig. 4 shows a front view of the tie shown in Fig. 3, while Figs. 5 and 6 show front and end elevations of a modification.

In carrying my invention into effect as applied to the form of tie shown in Fig. 1, a device is formed of wire having a loop, *a*, for engaging with the collar stud; hooks, *b*, engaging with a band, *c*, of cloth encircling and forming part of the tie, and two eyes, *d*, in which a rod, *e*, having pointed ends is disposed. The rod is provided with washers, *f*, for keeping the parts in position. The points of the rod, *e*, engage with the material of the tie and act as a spreader, so that the form of the tie may be always preserved. The band, *c*, is fastened by means

of spring buttons, *g*, and may be easily removed and replaced by another when soiled, or it may be woven in one piece, or with a seam up the back. The material of the tie may be doubled over for some distance at the top, preferably to a little below the band, *c*, in order to give a full appearance to the tie. The length of the doubled-over portion may be increased as the front becomes worn or soiled, thus presenting a fresh wearing surface. The material may also be reversed when the front portion has become worn. It will thus be seen that the life of ties made up and secured in position by means according to my invention is materially increased, for not only is the wear and tear of ties which go around the neck of the wearer avoided, but the material is used in a much more efficient and economical manner.

In some cases a ring of gold or other material may be substituted for the band, *c*, as before described with hooks, *b*, engaging therewith and holding it in the desired position as shown by dotted line *h*¹.

A modified form of my invention is shown in Figs. 3 and 4. The device in this case is similar to the one before described, with the exception that instead of turned up hooks, *b*, pointed ends, *h*, projecting downwardly, are formed for engaging with the material of the neck-tie, and holding it in position. The worn portions of the material in this form also may be moved so as to bring the unworn parts into their position, or the material may be reversed if the nature of the material used permits of this being done. The rod, *e*, may in some cases be dispensed with, the part of the device carrying it being then made with points having sufficient resilience to keep the material stretched in the desired manner. Thus referring to Figs. 5 and 6, the resilient arms, *i*, are each provided at their free ends with a single turn or convolution, *k*, ending in a point, *e'*, the distance between these pointed ends being less than the distance between the outermost parts of the convolutions, *k*, so that the latter can be safely grasped with the fingers. As in other modifications described above, the loop adapted to engage with the collar stud is shown at *a*, while the hook, *b*, and the member, *h*, have the same purpose as before.

It will be evident from the foregoing description that ties used with devices con-

structed according to my invention while presenting the same external appearance as those which encircle the neck of the wearer, require much less material; also as the worn parts may be replaced by the unworn parts the life of the tie is greatly increased, the more so as the strains to which ties encircling the neck are subjected, are eliminated.

Having now described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A frame for neck-wear, having in combination upwardly and outwardly extending arms carrying members at their upper ends provided with outwardly directed points adapted to engage with and spread the material, together with means carried by the lower ends of said arms and integral therewith for engaging with a collar stud, substantially as described.

2. In a frame for neck-wear having a ring or band encircling the same, the combination of resilient upwardly and outwardly extending arms carrying pointed members at their upper ends adapted to engage with and spread the material, a pointed member attached to the lower end of said arm and also adapted to engage with said material, together with means for engaging with and retaining the ring or band of said neck-wear in position, substantially as described.

3. In a frame for neck-wear having a ring or band encircling the same, the combination of resilient upwardly and outwardly extending arms carrying pointed members at their upper ends adapted to engage with and spread the material, a pointed member attached to the lower end of said arm and also adapted to engage with said material together with means for engaging with and retaining the ring or band of said neck-wear in position, and a stud engaging member projecting from the last mentioned pointed member and arranged opposite a point central with respect to the pointed members first mentioned, substantially as described.

4. A frame for neck-wear comprising spaced downwardly convergent arms having lateral oppositely extending engaging points at their upper ends and having their lower ends bent upwardly to provide a stud engaging member centrally of said arms, and a fabric engaging member carried by said frame adjacent to the stud engaging member.

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

JOHN MITCHELL.

Witnesses:

BERTRAM H. MATTHEWS,
W. H. BIRD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."