Aug. 14, 1923. 1,464,577

V. O. MATCHETT

TIE SPREADER

Filed April 13, 1922

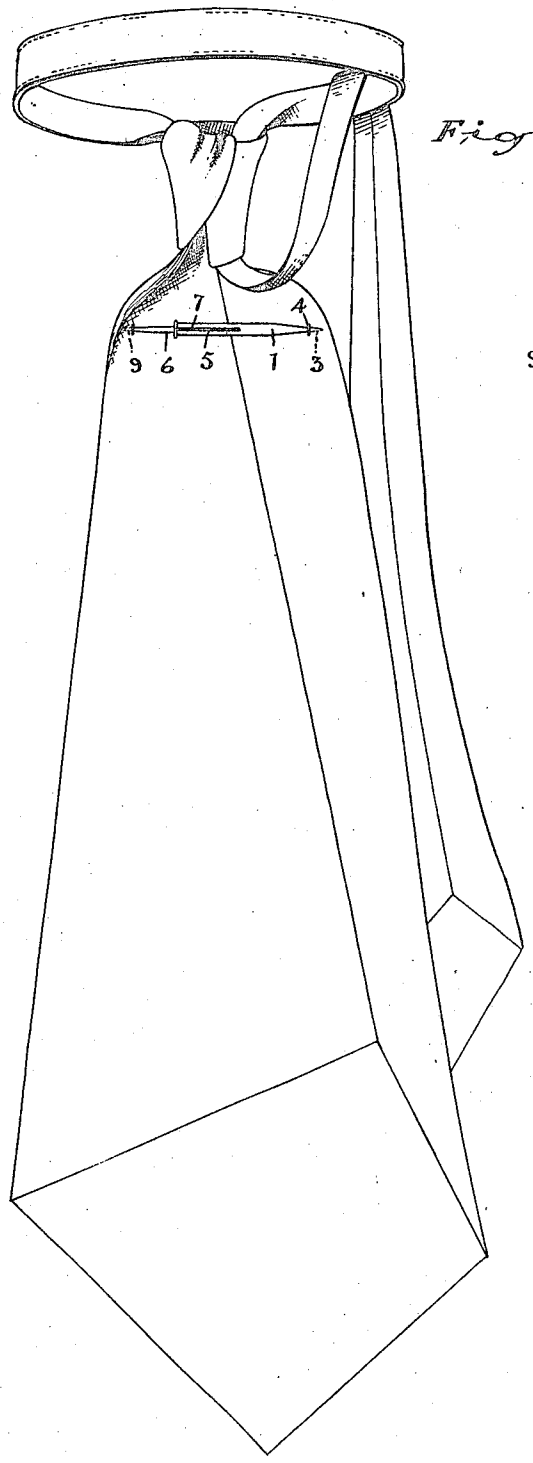


Fig. 1.

Fig. 2.

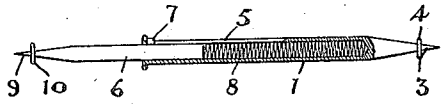
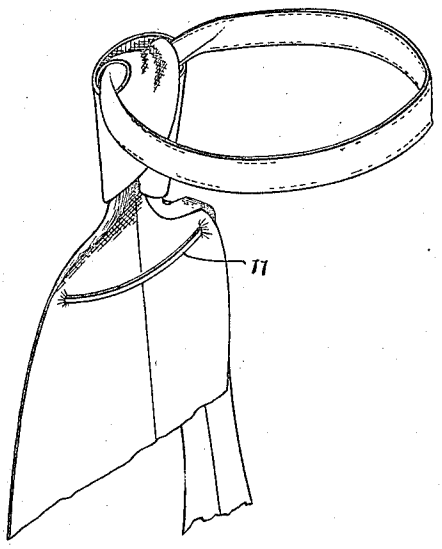


Fig. 3.



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VERNON OSBORNE MATCHETT, OF TORONTO, ONTARIO, CANADA.

TIE SPREADER.

Application filed April 13, 1922. Serial No. 552,106.

To all whom it may concern:

Be it known that I, VERNON OSBORNE MATCHETT, a subject of the King of Great Britain, and resident of the city of Toronto, county of York, Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in a Tie Spreader, described in the following specification and illustrated in the accompanying drawings, that form part of the same.

The objects of the invention are, to improve the appearance of four-in-hand ties, and to devise a simple form of device which will hold the portion of the tie below the knot from drawing into an unsightly shape.

A further object is to provide a very simple and neat form of device for this purpose.

The principal feature of the invention consists in the use of an extensible member adapted to engage the tie to hold it distended and to remain securely in position.

In the drawings, Figure 1 is a perspective view of a tie showing the device in place.

Figure 2 is an enlarged longitudinal sectional view of the spreading device.

Figure 3 is a perspective view of a modified form of the invention.

It is commonly known that in the tying of a four-in-hand tie the material is drawn into longitudinal creases by the tightening of the knot and the adjusting of the tie and it is desirable to spread the tie so as to present a better appearance and in order to accomplish this result, I purpose inserting at the back of the tie a spreader in the form of an extensible member which will hold securely in the tie through its own resiliency.

In the form of the device illustrated in Figures 1 and 2 the structure comprises a tubular member 1 having the end 2 tapered to a point 3, said tapering end being provided with an annular flange 4 adjacent to the point. The tubular member is preferably provided with a longitudinal key way or slot 5 adjacent to the open end which slot terminates short of the tubular member.

A cylindrical pin 6 is slidably fitted in the tube 1 and is provided with a key 7 sliding in the slot 5 and limiting the outward movement of the pin.

A coil spring 8 is enclosed within the tubular member and holds the pin 6 outwardly. The outer end of the pin is tapered to a point 9 and a flange 10 corresponding with the flange 4 is formed thereon.

The coil spring 8 allows the pin 6 to move freely but holds the points distended.

In using the device the point of the pin 6 is inserted in the back of the tie close to one edge and the spring is then compressed sufficient to allow of the other point being inserted adjacent to the other edge of the tie. The flanges 4 and 10 engaging the fabric push outwardly through the extensible action of the spring and the tie is thus spread out and the unsightly creases are eliminated.

The result achieved by this device is extremely desirable and it may be accomplished by other forms. The common feature of any forms of the invention which would be practical must however be that it is extensible.

A modification of the invention is illustrated in Figure 3 which comprises a thin strip of spring material 11 pointed at the ends to enter the fabric and slightly shouldered back of the points to engage and push outwardly on the material.

The device is very simple in its application but very effective in use and when inserted in position will not accidentally become displaced.

What I claim as my invention is:—

1. A tie spreader, comprising an extensible telescopic member having outwardly projecting pointed ends adapted to engage the tie and a coil compression spring arranged within said member and forcing the points outwardly.

2. A tie spreader, comprising a tubular member adapted to contain a coiled compression spring and having a pointed end, a pin slidable in said tubular member and engaging said spring and having a pointed end, each of said members having shoulders adjacent to the points.

VERNON OSBORNE MATCHETT.