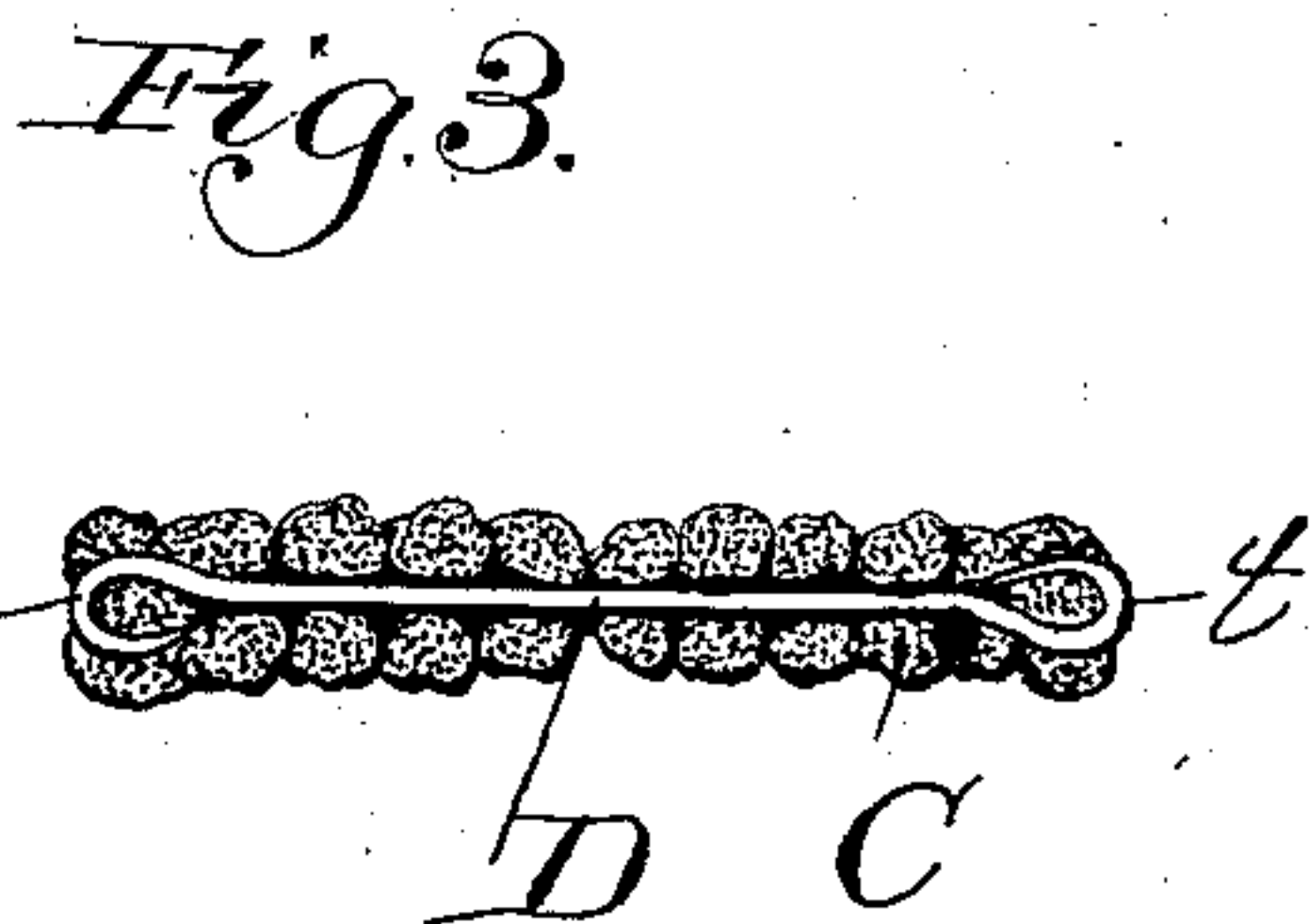
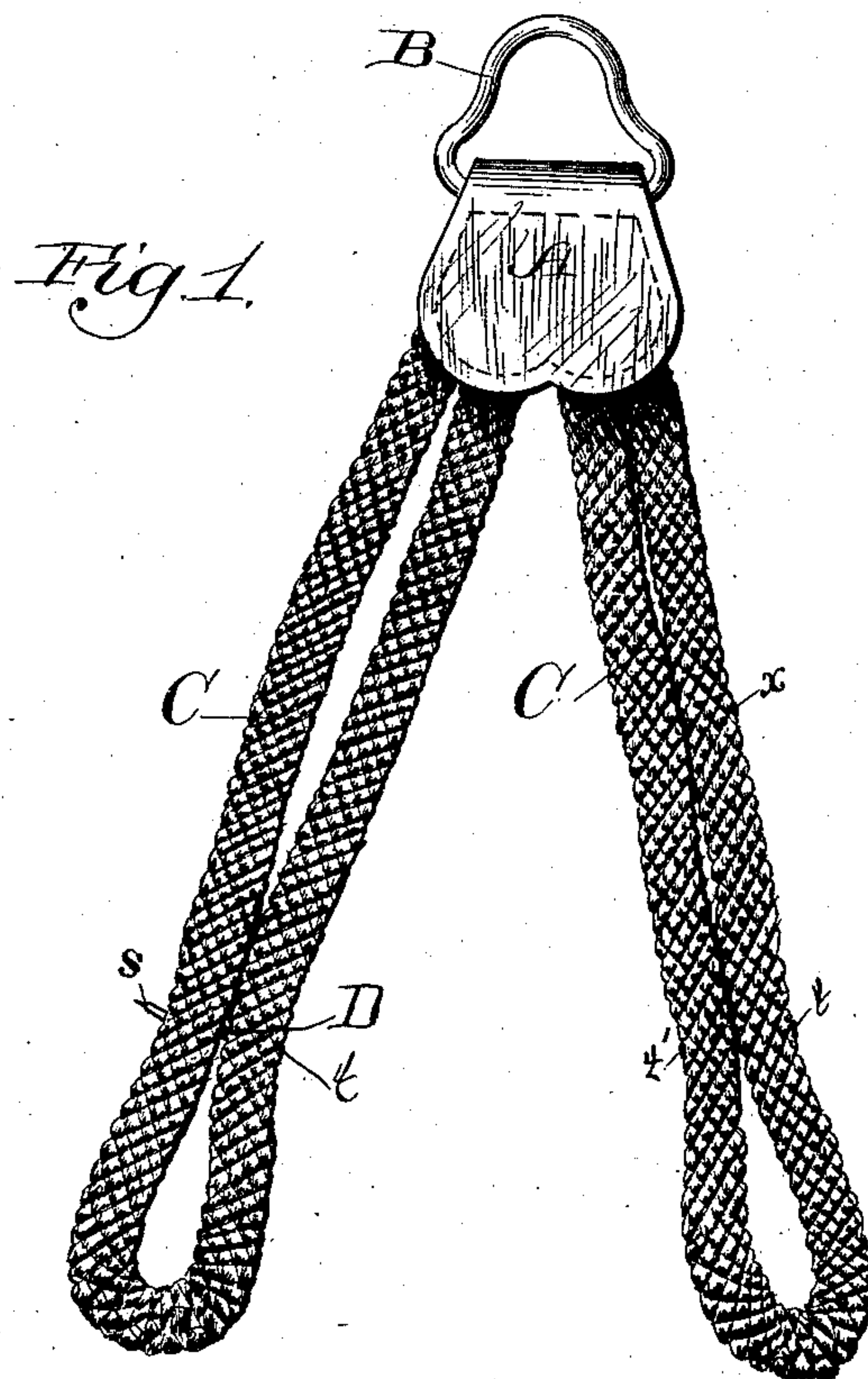


(No Model.)

M. MARCUS.
SUSPENDERS.

No. 294,396.

Patented Mar. 4, 1884.



Witnesses:
Chas. C. Gaylord.
Douglas Lynenforth

Inventor:
Morris Marcus
by *Dynamforth & Dynamforth*
his Attys.

UNITED STATES PATENT OFFICE.

MORRIS MARCUS, OF CHICAGO, ILLINOIS.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 294,396, dated March 4, 1884.

Application filed January 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, MORRIS MARCUS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Suspenders; and I hereby declare the following to be full, clear, and exact description of the same.

My present invention relates to an improvement upon the invention for which Letters Patent No. 289,429 were granted to me December 4, 1883. In the Letters Patent referred to it is stated, in substance, to be a very desirable object of the invention described therein to form the button-holes in the ends of the reaches comprising two hanging strands of material, each doubled edgewise upon itself, and secured to a suitable cap-piece in a manner that shall produce great durability of the same, and at the same time give to the article an appearance that will recommend it to the trade and to those who use it, which is effected by concealing from the view of the front side of the suspender-end the means used to form the button-hole. It is obvious that by forming the button-holes in a manner that will enable the mechanism used for the purpose to be concealed to cause the article to present a perfectly plain surface upon both its front and rear sides a very desirable result may be effected. It is therefore my object to provide a suspender-end in which a single strip of material forming one or both of the reaches between the cap-piece to which it is secured and the button upon the body of the article of clothing to be suspended is doubled edgewise upon itself, and wherein the button-holes shall be so formed as to present to view plain surfaces upon both the front and rear sides of the article.

To this end my invention consists in an improved securing device arranged at the desired point to form the button-hole with the double parts, the said securing device comprising a wire or strand provided with a stop formed at one end passed transversely through each of the layers of material, forming a reach, when the opposite projecting end is also provided with a stop, whereby withdrawal of the device shall be prevented and the means of securing shall be invisible upon both the front

and rear sides of the suspender-end, thus leaving on the said sides a plain surface.

In the drawings, Figure 1 represents a suspender-end in elevation, showing partially by dotted lines the manner of forming the button-holes; and Figs. 2 and 3, sectional views, showing modifications of my improved securing device.

A is a cap-piece, of leather or other suitable material, which bears the ring B, and to which the material forming the reaches C is secured. These reaches may be formed of a single piece of material secured to the cap-piece A at a point to produce two hanging strands of the desired relative length when such strand is doubled inward and edgewise upon itself, the ends thereof being also secured to the cap-piece; or the said reaches may be formed each of a separate piece of material doubled edgewise upon itself, and the ends secured to the cap-piece A.

D is a wire or narrow metallic strip provided at one end with a head or stop, *t*, and sharpened at the other end. To form the button-hole the sharpened point *s* is inserted at the outer edge of one strand and passed at the desired point transversely through each strand of the material, between its front and rear surfaces, emerging at the opposite edge of the reach, when a stop or head similar to the head *t*, as shown at *t'* in Fig. 1 of the drawings, is formed upon the end *s*, suitable machinery being employed for the purpose of forming the same. The securing device thus formed is prevented from displacement, since no ordinary strain in a lateral direction upon the doubled parts will effect the withdrawal of the fastener from the one or the other. The wire fastener is preferably, with relation to the width of the reach, of such a proportionate length as to cause the stops to be closer together than the outer edges of the doubled parts, in order that when braided material is used to form the reaches the heads shall be embedded between the strands, and thus hidden from view when the said edges are made to assume the direction of straight lines, and in order that when more compact material is used the heads shall lie almost, if not quite, flush with the rectilinear edges.

Under all circumstances it is preferred to

employ fasteners composed of metal the color of which will most nearly correspond with that of the material composing the reach, in order that in case either or both of the stops 5 should ever project, even when an edge view is presented, the metal will not attract attention.

Other forms of stops may be employed, as represented in Figs. 2 and 3 of the drawings, 10 instead of the heads above described. In Fig. 2 the sharpened end of a pin or headed strip, after being inserted as above described, is bent around to cause it to re-enter the material at a point above or below or to one side of 15 its emergence, to prevent separation of the doubled parts at the point where the button-hole is formed. In the fastener represented in Fig. 3 neither end is provided with a head, but both are sharpened and bent around after 20 the transverse insertion of the device in the manner above described of the sharpened end shown in Fig. 2 of the drawings. Either of the last-described ways offers advantages per-

haps equal to those obtained in the method first described, and presents the additional advantage of permitting the fastener to be formed 25 more easily.

If it is desired to secure together the inner edges of the doubled parts above the point at which the button-hole is formed, one or more 30 securing devices may be employed for the purpose, as shown at *x* in Fig. 1 of the drawings.

What I claim as new, and desire to secure by Letters Patent, is—

A securing device provided at the desired 35 point to form a button-hole with the double parts forming a reach of suitable material for a suspender-end, said securing device comprising a strand or wire passed transversely through the interior of each of the doubled parts, and 40 having a stop formed at each end, substantially as described, and for the purpose set forth.

MORRIS MARCUS.

In presence of—

DOUGLAS DYRENFORTH,
C. C. LINTHICUM.