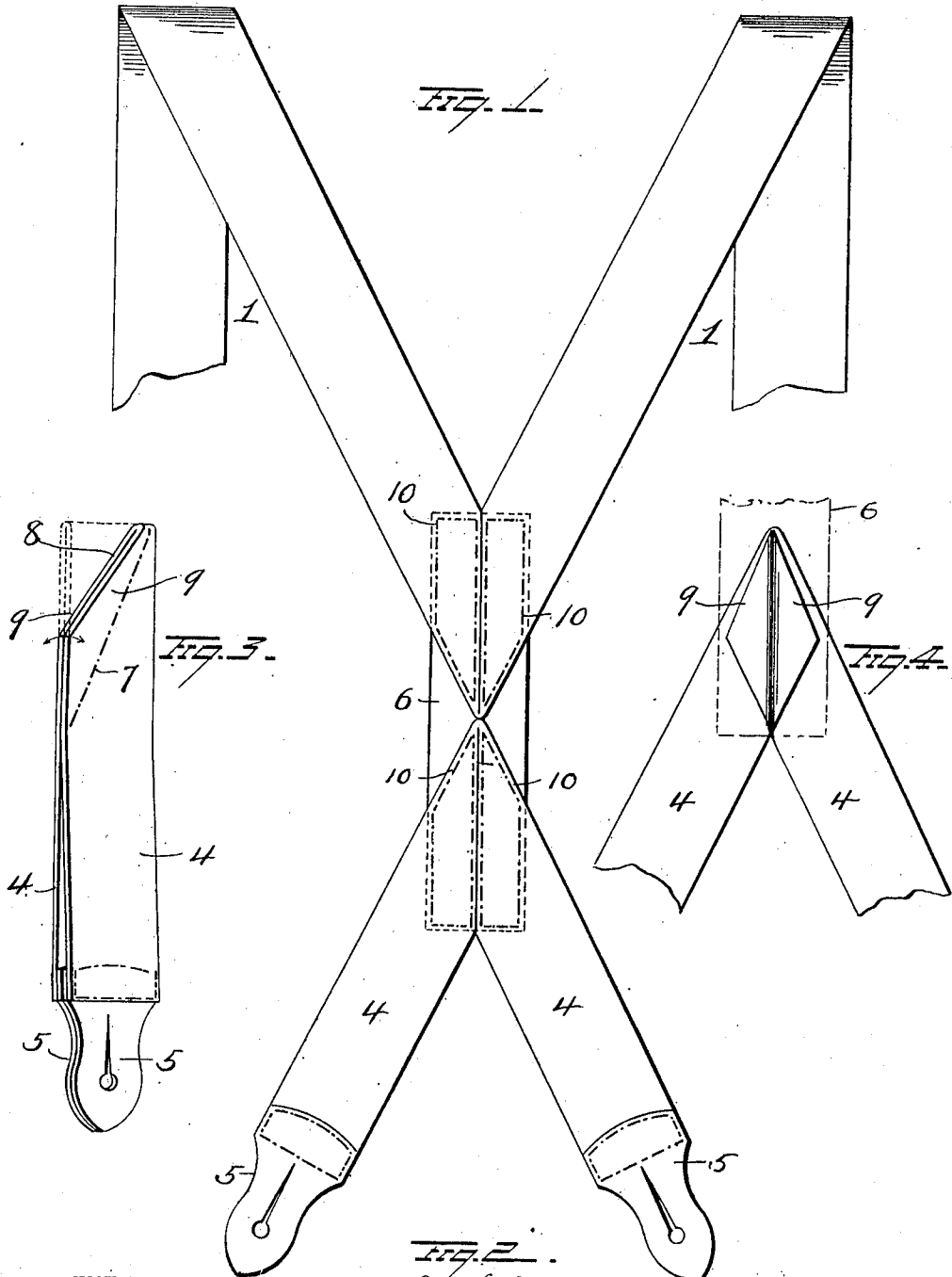


C. A. LATIONS.
SUSPENDERS.

APPLICATION FILED SEPT. 30, 1909.

970,511.

Patented Sept. 20, 1910.



WITNESSES

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SUSPENDERS.

970,511.

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To all whom it may concern:

Be it known that I, CHARLES A. LATIONS, of Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Suspenders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in suspenders,—the object of the invention being to construct suspenders in such manner that they shall be comfortable to the wearer; so that the portion which connects the shoulder straps with the rear suspender ends shall lie flat against the wearer parallel with the spine and without the employment of pads such as heretofore used, and so that the shoulder straps shall be caused to be disposed on the back of the wearer between his spine and shoulder blades and thus allow free movement of the latter.

With this object in view the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view of a pair of suspenders showing my improvements, and Figs. 2, 3 and 4 are views illustrating the manner of constructing my improvements.

1, 1, represent shoulder straps which may be made of elastic webbing if desired and provided with any suitable attaching devices and adjusting means, and 4, 4, represent the rear suspender ends which are provided with suitable attaching devices 5. The shoulder straps 1 and the rear suspender ends 4 are each made of a single piece of webbing and are secured to a vertical connecting strap 6 which lies flat against the wearer directly in line with his spine.

The construction and manner of attaching the shoulder straps and the rear suspender ends to the vertical strap 6 are the same and a detailed description of one will suffice for both.

In making the integral shoulder straps (and rear suspender ends), I fold a strip of webbing upon itself so that the two portions will lie parallel with each other and then I stitch these two portions together on

a diagonal line as indicated at 7,—said diagonal line of stitching being thus located centrally between the ends of the strip of webbing. I then cut off a portion of the superimposed strap members as shown at 8, Fig. 3. The two superimposed members have now been partially severed but are still integral with each other near one edge. The two members are now opened out and the two wings 9, 9, are pressed flat against the respective strap members, as shown in Fig. 4. The two strap members are now secured together so that one diverges from the other. The strap members thus formed are then reversed and placed upon the vertical strap 6 and stitched along the lines 10,—the strap members of both the shoulder straps and the rear suspender ends being thus secured to the outer face of the vertical strap 6, leaving the inner face of the latter with no protuberances of any description and thus permitting it to rest smoothly against the spine of the wearer. With my improved construction the shoulder strap members will extend from the center of the wearer's back upwardly between his spine and shoulder blades and will therefore permit free and easy movement of the latter without strain upon the suspenders. The degree of divergence of the shoulder strap members can be readily determined by the angle at which the diagonal line of stitching 7 is made.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is,—

Suspenders comprising shoulder members, rear end members and a back connecting member, the shoulder members and the rear end members each made of single pieces of webbings having portions intermediate of their ends removed on diagonal lines and stitched together on diagonal lines, the surplus portions of the webbings lying flat against the latter, the apexes of the shoulder members and the rear end members lying against the outer face of the back connecting member and secured to the latter.

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

CHARLES A. LATIONS.

Witnesses:

CARL M. BLAIR,
CLARA F. DAKIN.