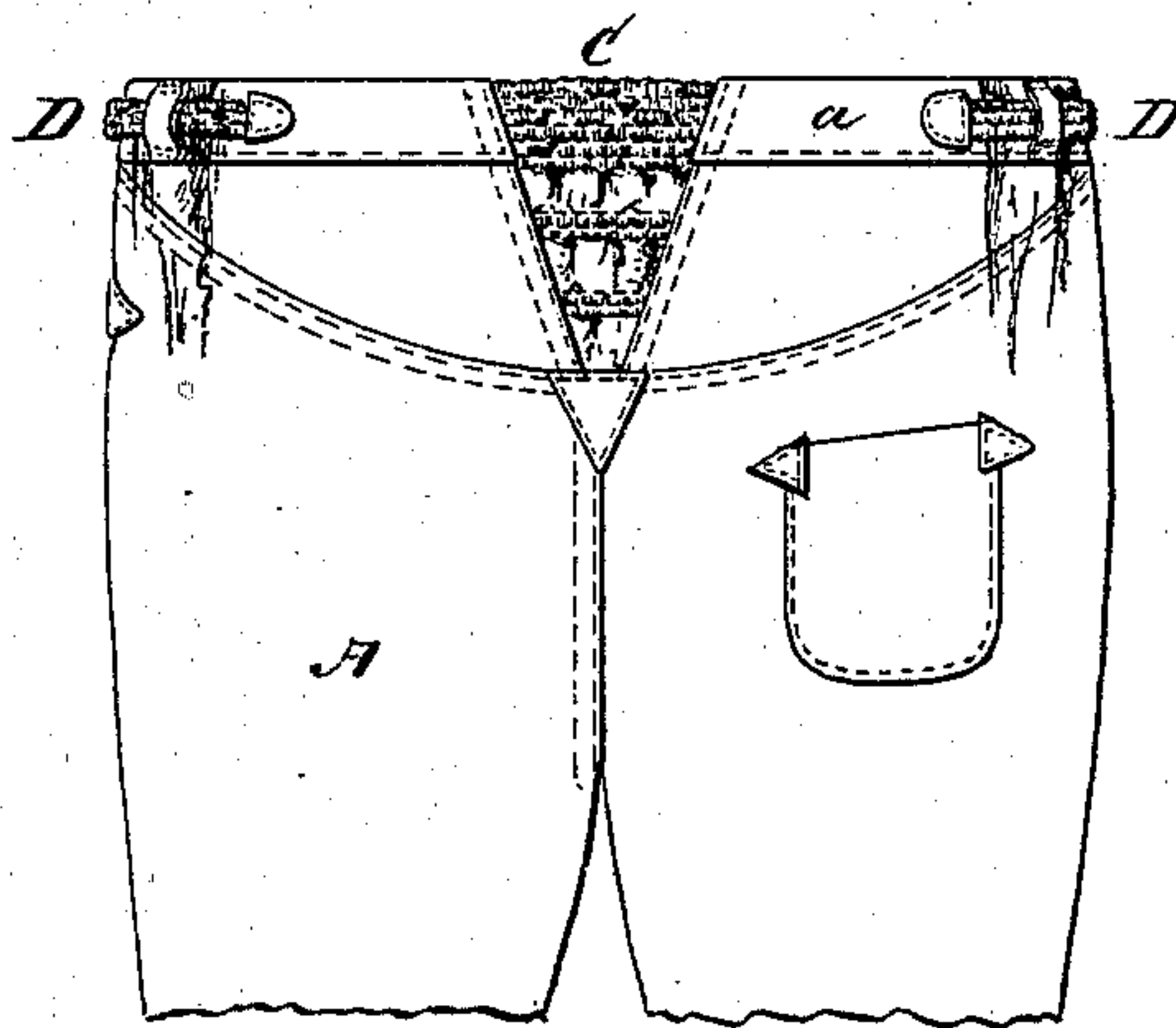


G. SCHILLING & S. FLORSHEIM.  
Pantaloon Garment.

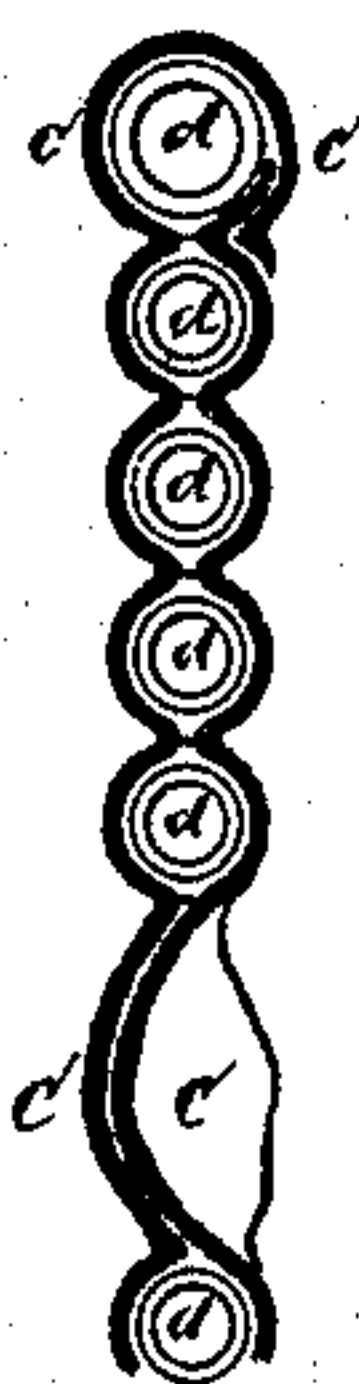
No. 224,559.

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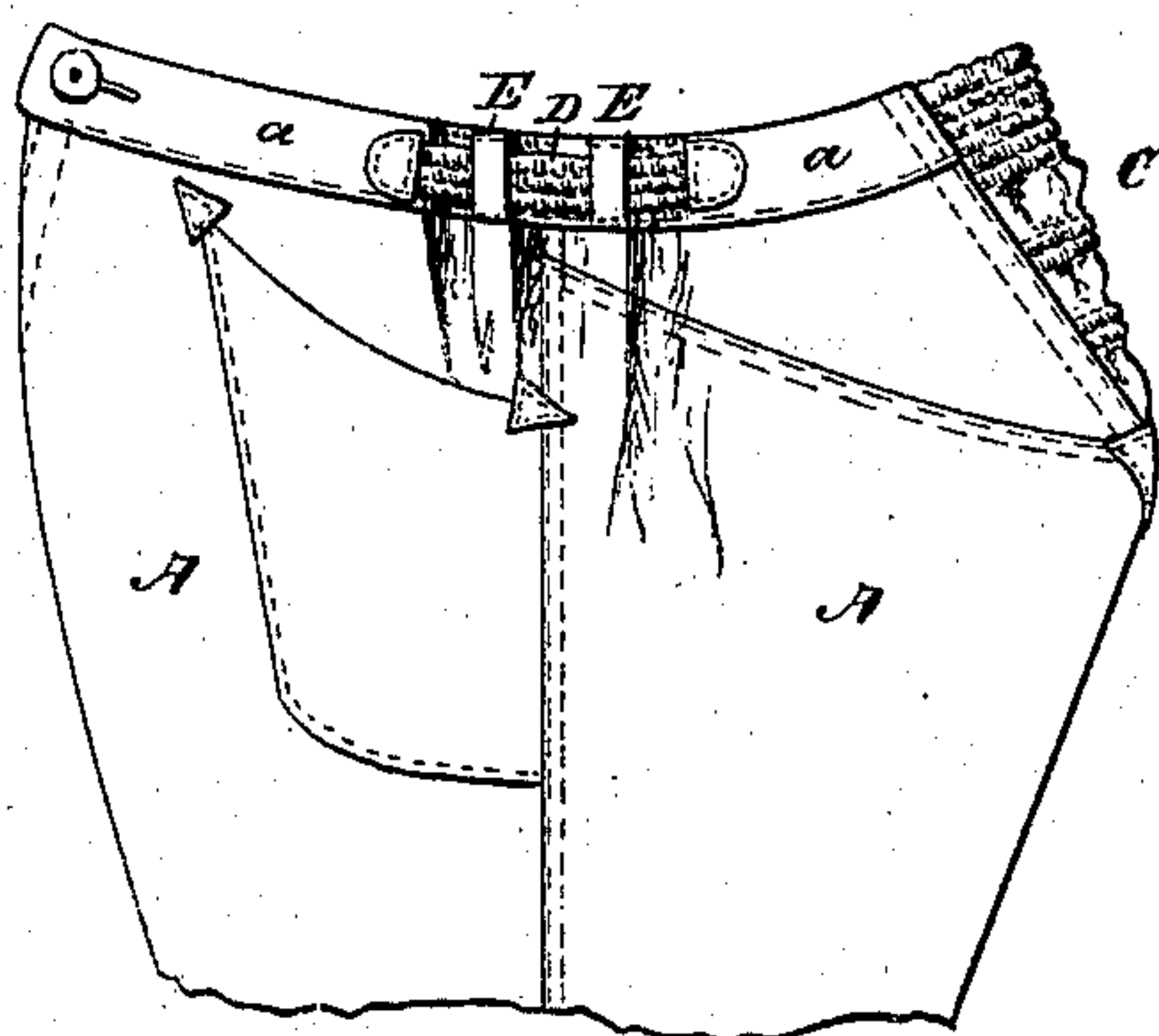
*Fig: 1.*



*Fig: 3*



*Fig: 2.*



*Witnesses.*  
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# UNITED STATES PATENT OFFICE.

GUSTAV SCHILLING AND SIMON FLORSHEIM, OF CHICAGO, ILLINOIS.

## PANTALOOON-GARMENT.

SPECIFICATION forming part of Letters Patent No. 224,559, dated February 17, 1880.

Application filed March 4, 1879.

*To all whom it may concern:*

Be it known that we, GUSTAV SCHILLING and SIMON FLORSHEIM, both of Chicago, in the county of Cook and State of Illinois, have  
5 invented certain new and useful Improvements in Pantaloon-Garments; and we do hereby declare the following to be a full, clear, and exact description of the invention, which  
10 it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

Our invention consists in pantaloons, drawers, or overalls, as a new article of manufacture,  
15 such straps composed of a series of spiral springs held in puckered tubes between two layers of material and arranged lengthwise of the waistband and supported by intermediate loops; and also in pantaloons, drawers,  
20 or overalls, as a new article of manufacture, having a triangular gore at the back of the waistband composed of a series of spiral springs held in puckered tubes and arranged  
25 in a close group at the top, followed by puckered spaces separated by two spiral springs, all as more specifically hereinafter described.

In the drawings, Figure 1 represents a rear view of the body portion of an overall. Fig.  
30 2 represents a side view of the same; and Fig. 3, an enlarged sectional view of the elastic gore, showing its manner of construction.

Like letters in the several figures of the drawings indicate like parts.

35 A designates the body portion of a pair of overalls, and *a* the waistband to the same.

C is an elastic gore inserted in the rear upper of the garment, and D D are elastic straps secured with their ends upon the waistband  
40 at the sides of the overalls, whereby the support of the garment is brought upon the hips, and the loose portion of the waistband intermediate of the strap-ends, for the purpose of preventing its sagging down, has two loops, E,  
45 attached, which inclose and by which it is suspended on the straps.

The gore C as well as the straps D are composed each of two flaps, *c c*, of thin leather or  
50 of cloth, which may be of a corresponding color with the fabric of the pantaloons. These flaps are cut about twice the length the gore

or strap is to be when finished, and are united by longitudinal parallel seams of stitching, so as to form small tubes between two  
such seams, into each of which is inserted a  
55 small coil-spring, *d*. These springs *d* we make of very fine brass wire, which we coil upon a small mandrel, so that the spirals are successively in close contact with each other. The  
60 leather or fabric tubes are contracted over these springs, so as to form a multitude of small wrinkles equally distributed over the whole length of said springs, and the ends of the latter we secure in the ends of the tubes  
65 to the fabric.

For the gore we arrange the springs *d* in series of two, three, or four, with a blank space between each two series, and in accordance with the required elastic resistance necessary for insuring a close yet comfortable fit  
70 for the pantaloons, and with the lengths of the springs proportional to the varying width of the gore.

For the side straps, D, we arrange about four such springs side by side, and we attach the  
75 ends of such straps upon the waistband *a*, and cover said ends by small patches of leather or fabric, and to the waistband, at equal distance between the ends of and over the straps D, we secure two leather or fabric loops, E, which  
80 will sustain the otherwise loose portion of the waistband.

Such springs, interlaid between leather or cloth, which will conceal and protect the same, and will prevent their being stretched beyond  
85 the length of the covering material, make a much more durable elastic strap or gore than those made of rubber shirrs interwoven with or covered by the threads of the fabric, which  
90 are easily influenced by the weather, and become brittle with age, besides the disagreeableness of rubber where it comes in contact with the human skin.

A pair of pants arranged with our elastic gore and straps in the manner described will  
95 give an easy and comfortable fit to the human body and limbs, allowing the same to yield to every movement without losing their original shape.

Although it may be desirable to apply both  
100 the gore and straps to pantaloon-garments, yet one or the other alone may be sufficient to



bring about the desired good result, and therefore we do not wish to be restricted to their combined application.

The straps may be detachably secured by 5 buttons or buckles, so as to enable the same to be taken off while the overalls, pants, or drawers are sent to the laundry for cleansing or washing, and such elastic straps will be applied to good advantage also to the vest in 10 place of the rear lachets and buckle.

We do not claim in this application the invention of spirally-coiled wire springs held in puckered tubes between two layers of material; neither do we claim the application to 15 pantaloons, overalls, or drawers of elastic gore pieces or straps; but as we have not found described and do not know of such garments provided with straps or with gores constructed, arranged, and applied as described 20 in our specification,

We claim as new and of our own invention—

1. As a new article of manufacture, pantaloons, drawers, or overalls provided at the sides with elastic straps D D, composed of a 25 series of spiral wire springs held in puckered tubes between two layers of material arranged lengthwise of the waistband and supported by intermediate loops, E E, substantially as and for the purposes set forth. 30

2. As a new article of manufacture, pantaloons, drawers, or overalls provided with a triangular gore, C, composed of a series of spiral wire springs held in puckered tubes and arranged in a close group at the top, followed by puckered spaces separated by two 35 spiral wire springs, substantially as and for the purposes set forth.

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Witnesses:

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