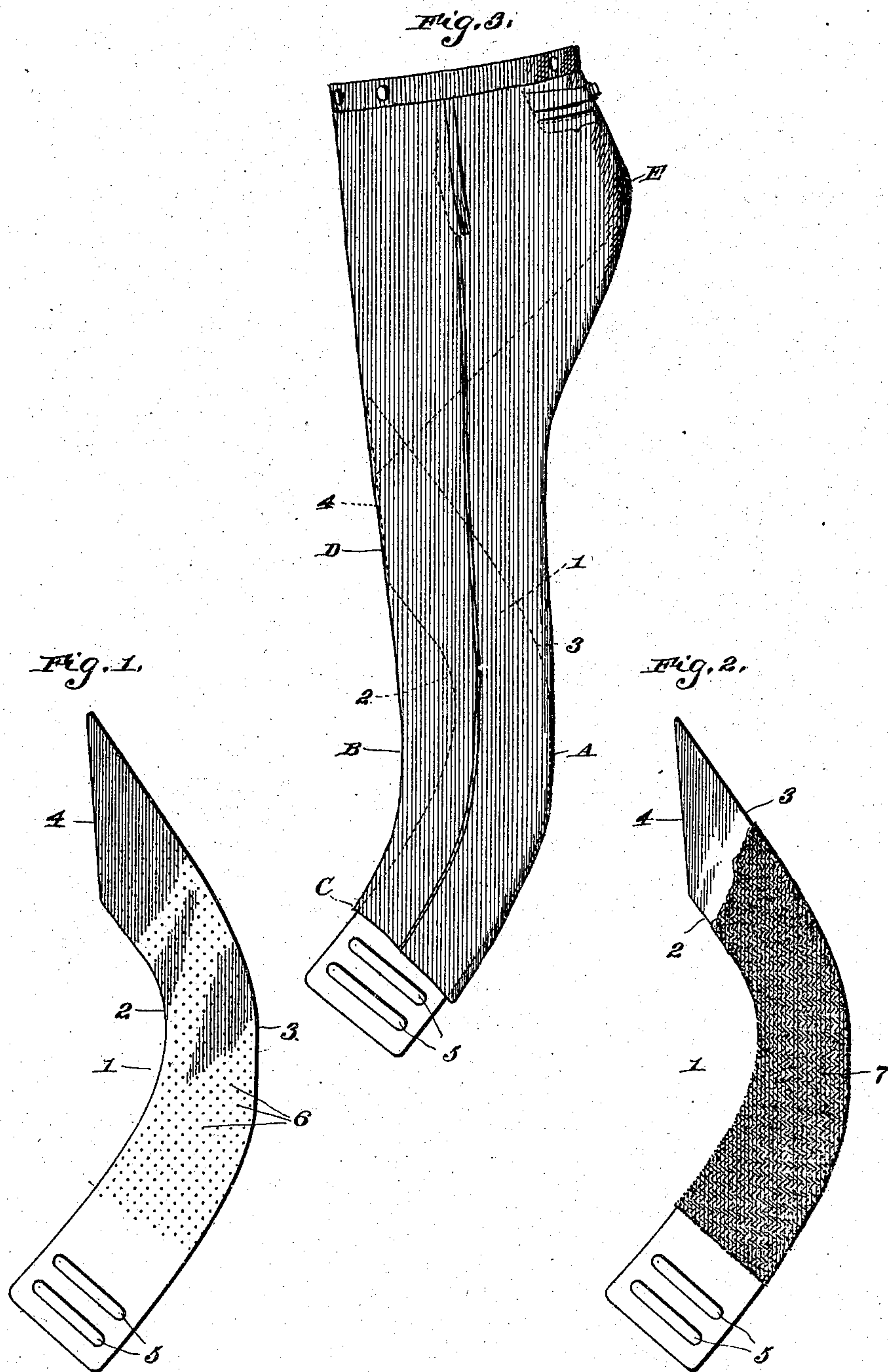


No. 782,650.

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J. GREENLEAF.  
TROUSERS SHAPER.  
APPLICATION FILED APR. 30, 1904.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOSEPH GREENLEAF, OF CHARLOTTE, NORTH CAROLINA.

## TROUSERS-SHAPER.

SPECIFICATION forming part of Letters Patent No. 782,650, dated February 14, 1905.

Application filed April 30, 1904. Serial No. 205,646.

*To all whom it may concern:*

Be it known that I, JOSEPH GREENLEAF, a citizen of the United States, residing at Charlotte, in the county of Mecklenburg and State of North Carolina, have invented certain new and useful Improvements in Trousers-Shapers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to devices used in shaping trousers, the invention providing a shaper whereby proper set or shape is given to such garments, the device while being simple and inexpensive in construction performing its functions in a most easy and efficient manner.

An embodiment of the invention is disclosed for purposes of illustration in the accompanying drawings, forming part hereof, and reference to which is made hereinafter.

It is to be understood, however, that changes can be made in the details within the limits prescribed by the claims without altering the character of the invention or departing from its nature and spirit.

In the drawings, like reference characters refer to corresponding parts in the several views, of which—

Figure 1 is a view of the shaper. Fig. 2 is a view of a modification, and Fig. 3 is a view of the shaper in place in a trousers-leg.

Referring more particularly to the drawings, 1 designates the shaper, which can be formed of a comparatively thin sheet of metal or of any other suitable material.

The shaper is made with substantially parallel curved edges 2 and 3. One end is formed with a straight diagonally-disposed end edge 4, extending from one curved edge to the other, and the other end is provided with one or more elongated apertures 5, which afford means whereby the device can be grasped. The edge 4 terminates at its lower end with the adjoining end of the curved edge 2, the curvature of said edge 2 being such as to form a receding central portion for the device adapted when in use to be removed from the front part of the trousers-leg within which said portion of the trousers may be drawn.

The shaper affords means whereby the fronts and backs of trousers are curved, the fronts inwardly and the backs outwardly, and whereby the bottoms are thrown forward. In the manufacture of the garments this shaping of the trousers heretofore usually has been done before the parts thereof are put together; but this practice involved four or more operations, whereas by the use of my device this shaping is performed in two operations.

My shaper can be used at any time after the trousers are formed; but the preferable time is after the garment is completed.

In using my shaper the trousers are folded as for ordinary pressing, the shaper is inserted in the leg, and the trousers are stretched. The shaper will stretch and round out the back of the trousers-leg at A, will pull in the material in front, as shown at B, and throw the bottom forward, as shown at C. The edge of the shaper will aline with and engage the front edge of the trousers-leg at D. When the shaper is inserted within the leg, the seat of the trousers is grasped at a point indicated by E and pulled outwardly. While in this position, the trousers are pressed by the usual means. The location of the curve imparted to the leg of the trousers by the shaper can be controlled by placing the shaper before pressing farther up or down the leg, as desired. It will thus be seen that the trousers are shaped and pressed in practically one operation.

While a damp cloth may be used with the shaper in pressing to moisten the goods, if desired, the shaper may be formed with perforations 6 therein, as shown in Fig. 1, for the purpose of holding moisture to be imparted to the goods, or it can be covered with any suitable absorbent material for the same purpose, as shown in Fig. 2 and indicated by the numeral 7, or the shaper can be both provided with the perforations and the absorbent covering.

Of course the front portion of the device is that portion thereof adapted to engage the front of the trousers, the rear portion thereof that portion adapted to engage the rear or



back portion of the trousers, &c. Hence when such words as "forward" or "forwardly" are employed in the claims it is with this understanding.

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

1. A trousers-leg shaper of the character described having a substantially straight forward  
10 edge and another forward edge receding therefrom to provide a portion removed from engagement with the garment when in use, and means opposed to said forward edges and co-operating therewith.

15 2. A trousers-leg shaper of the character described having a substantially straight forward edge, another forward edge receding from the lower end of the said first-mentioned forward edge, and a rear edge receding from the upper  
20 end of said first-mentioned forward edge.

3. A trousers-leg shaper of the character described having a substantially straight forward edge and another forward edge receding therefrom and thence extending forwardly, and  
25 means opposed to said forward edges and co-operating therewith.

4. A trousers-leg shaper of the character described having a substantially straight forward edge, another forward edge receding from the  
30 lower end of said first-mentioned forward edge, and a rear edge receding from the upper end of said first-mentioned forward edge, the lower

ends of said second-mentioned forward edge and said rear edge extending forwardly.

5. A trousers-leg shaper of the character described provided with a substantially straight forward edge and a receding portion constituting a part removed from the garment when in use, and means opposed to said forward edge and receding portion and co-operating  
40 therewith.

6. A trousers-leg shaper of the character described provided with a substantially straight forward edge, and a receding portion adjoining the same, the end of the device opposite  
45 said forward edge extending forwardly from said receding portion, and means opposed to said forward edge and receding portion and co-operating therewith.

7. A trousers-leg shaper of the character described having a forward edge adapted to engage the forward portion of the trousers, a rear edge adapted to engage the rear portion thereof, and another forward edge adapted to engage the same portion of the trousers as the  
55 first-mentioned forward edge at a point separated therefrom.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH GREENLEAF.

Witnesses:

WALTER B. CUTHBERTSON,  
G. G. SCUN.