

April 30, 1940.

R. PINTUS

2,198,738

TROUSERS

Filed Feb. 7, 1938

2 Sheets-Sheet 1

Fig. 1

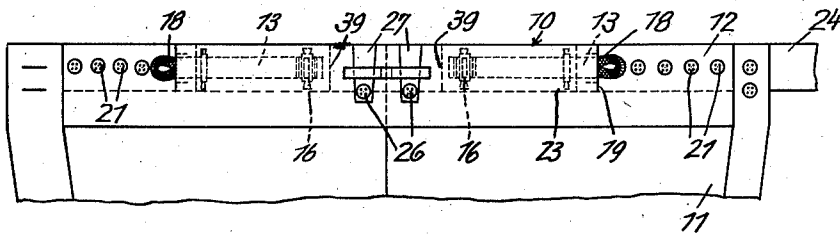


Fig. 2

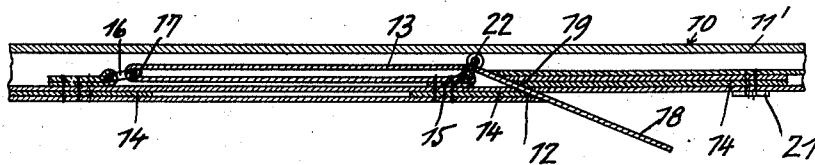


Fig. 3

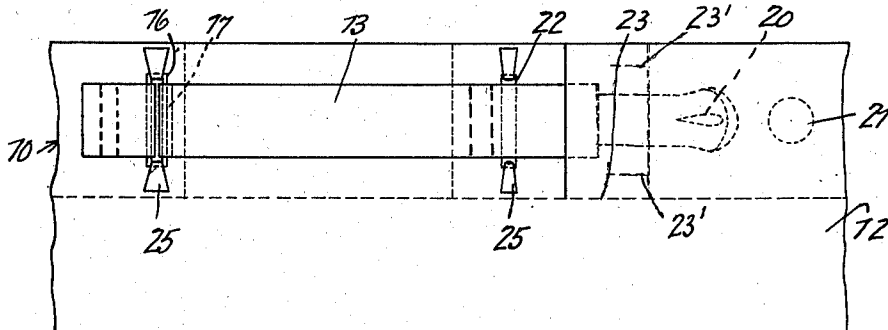
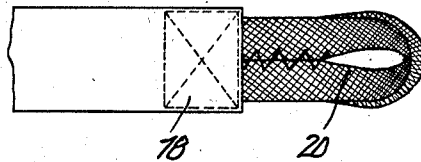


Fig. 4



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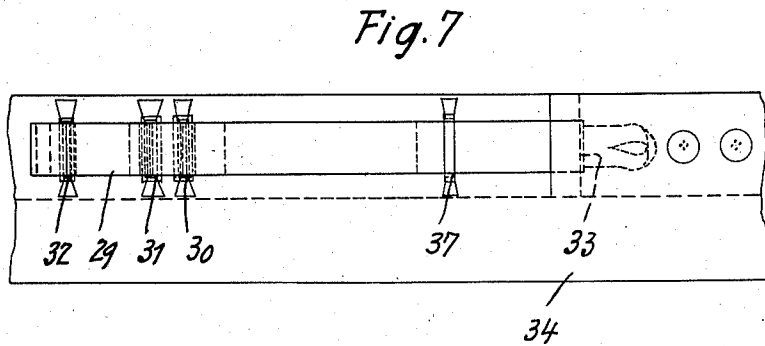
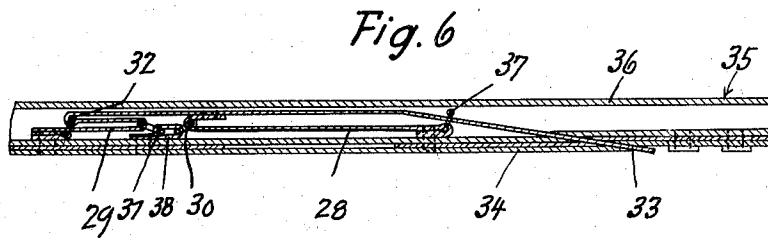
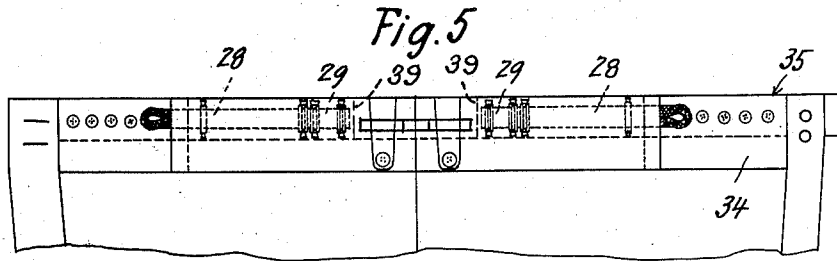
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2,198,738

TROUSERS

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

2,198,738

TROUSERS

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In Germany March 18, 1937

4 Claims. (Cl. 2-237)

This invention relates to trousers and more particularly to improvements in continuous waistbands of trousers and aims to provide means for self-supporting the trousers and for adjusting the width of the continuous waistband.

One of the objects of my invention is to provide adjusting means whereby the width of the waistband may be changed to such an extent hitherto not reached, f. i., up to 15 centimeters.

A further object is to provide a waistband having adjusting means the exterior of which is free from slots, buttons or the like and having, even under strong reduction of its width, only uniform little folds at the hip-portions, which in no way trouble the appearance of the trousers.

A further object is to provide a waistband having means for adjusting its width, lying in their main portions invisibly beneath the lining of the waistband.

A still further object of the invention is to provide a waistband having adjusting means, pressing in no way against the back and body of the wearer.

Embodiments of the invention are illustrated in the accompanying drawings in which

Figs. 1-4 represent one of the embodiments of the invention;

Fig. 1 is a view of the inside of the upper portion of the trousers;

Fig. 2 is a longitudinal sectional view of a portion of the waistband;

Fig. 3 is a view of the inside of a portion of the lining with the adjusting device;

Fig. 4 is a detail of a draw-strap;

Figs. 5-7 represent a further embodiment of the invention;

Fig. 5 is a view of the inside of the upper portion of the trousers;

Fig. 6 is a longitudinal sectional view of a portion of the waistband;

Fig. 7 is a view of the inside of a portion of the lining with the adjusting device.

Referring first to Figs. 1-4 denotes the waistband of the trousers 11, 11' the facing of the waistband, 12 the lining of the waistband, and 13 are the draw-straps. Strengthening layers of buckram 14 are arranged in the lining 12. Each draw-strap 13 is fastened with one end 15 to the inside of the lining, then guided along the lining to and over a turn-back-buckle 16 provided with a roller 17. From the buckle 16 the draw-strap 13 is guided back and with its free end 18 through a slot 19 in the lining into the interior of the trousers. The buckle 16 acts as a loose pulley. Each draw-strap 13 is provided with a button-

hole 20 at its terminal 18 and buttons 21 are fastened to the inside of the waistband. Instead of the buttons 21 and the button-hole other means for detachably and adjustably fastening the terminal of the draw-straps to the inside of the waistband may be employed. A guiding-buckle 22 for each draw-strap 13 may be provided shortly before the slot 19. Fastenings 25 gripping over the short sides of the buckles 16 and 22 avoid tilting of these buckles. A further guiding for each draw-strap is formed by quilting of the lining as shown at 23 and by stitchings 23'. The waistband is provided at one edge with a locking flap 24 having button-holes and with buttons at the other edge.

Preferably, the end of the draw-straps 13 provided with the button-hole 20 may be made in the manner known with the eye-strips of braces, as shown in Fig. 4.

The buttons 21 may be employed in connection with the buttons 26 of the flaps 27 at the back-portion of the trousers for holding the braces.

In Figs. 5-7 is illustrated a further modification of the invention in which two draw-straps 28 and 29 guided as a loop over turn-back-buckles 30 and 31 are arranged one behind the other in the direction of drawing and coupled to form one drawing-member. The draw-strap 28 is guided over a single turn-back-buckle 30 and a draw-strap 29 is guided over two turn-back-buckles 31 and 32. The draw-strap 28 is fastened with one end to the draw-strap 29 and this is guided with its free end through a slot 33 in the lining 34 of the waistband 35 into the interior of the trousers. 36 is the facing of the waistband and 37 a guiding buckle for the draw-strap 29 arranged shortly before the slot 33. The draw-straps 28, 29 are fastened with one end to the lining 34 of the waistband. The turn-back-buckles 30, 31, 32 and the guiding-buckles 37 are also fastened to this lining. The buckle 30 of the draw-strap 28 and the first buckle 31 of the draw-strap 29 are arranged close to one another and they are fastened to the lining by a single strip of fabric 38. The draw-straps 28 and 29 may be of different length as shown in Figs. 5-7. By this arrangement the length of drawing is materially reduced and at the same time sufficient adjustment of width even with low width of the waistband is obtained.

What I claim as new and desire to secure by Letters Patent of the United States is:

1. A trouser garment comprising a continuous waistband having a facing of cloth and a lining and draw-straps lying at the hip-portions between the facing and the lining, said draw-straps

consisting each of a looped strap guided over one turn-back-buckle and of a looped strap of different length guided over two turn-back-buckles, said looped straps being fastened at one end to the waistband and coupled one behind the other in the direction of drawing, and means for detachably and adjustably fastening the free ends of the draw-straps to the waistband.

2. A trouser garment comprising a continuous waistband having a facing of cloth and a lining and draw-straps lying at the hip-portions between the facing and the lining, said draw-straps consisting each of a looped strap of greater length guided over one turn-back-buckle and of a looped strap of minor length guided over two turn-back-buckles, the turn-back-buckle of the first mentioned looped strap and the first turn-back-buckle of the last mentioned looped strap being combined, said looped straps being fastened with one end to the waistband and coupled one behind the other in the direction of drawing, and means for detachably and adjustably fastening the free ends of the draw-straps to the waistband.

3. A trouser garment comprising a continuous waistband having a facing of cloth and draw-straps lying at the hip-portions between the facing and the lining of the waistband and being guided over turn-back-buckles and through guiding buckles, and strips of fabric fastened to the waistband gripping over the short sides of the turn-back-buckles and the guiding-buckles.

4. A trouser garment comprising a continuous waistband having a facing of cloth and a lining, draw-straps lying at the hip portions of the garment between the facing and the lining, said draw-straps each comprising several looped straps, turn-back buckles over which the straps are guided, said looped straps being fastened at one end to the waistband and coupled one behind the other in the direction of drawing, and means for detachably and adjustably fastening the free ends of the draw-straps to the waistband.

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