

(No Model.)

H. GREEN
WAISTBAND.

No. 553,646.

Patented Jan. 28, 1896.

Fig. 1.

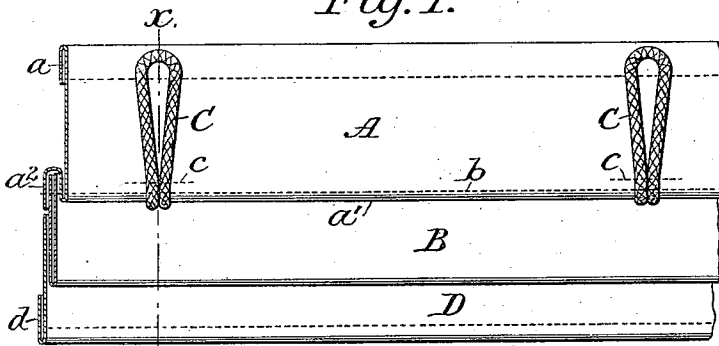


Fig. 2.

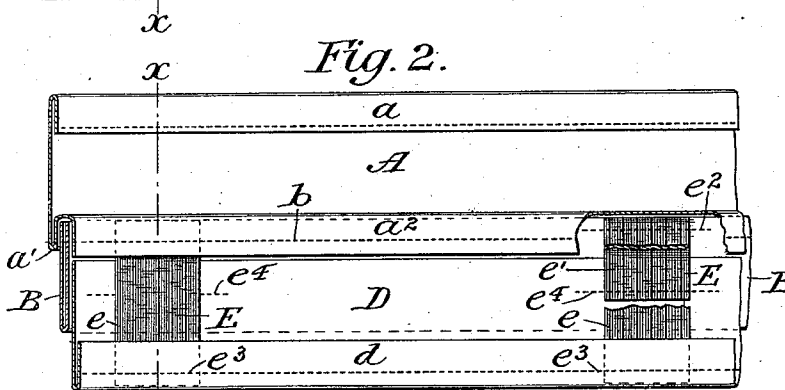


Fig. 4.

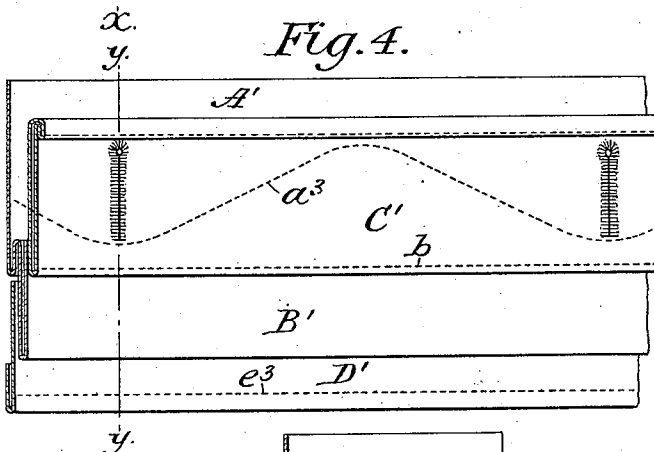
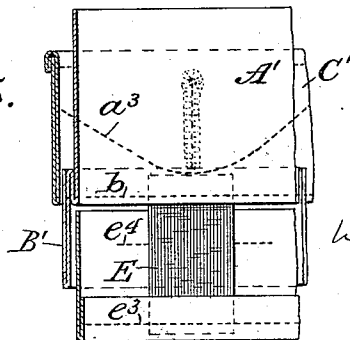


Fig. 5.



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Fig. 3.

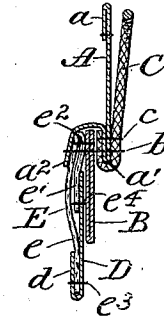
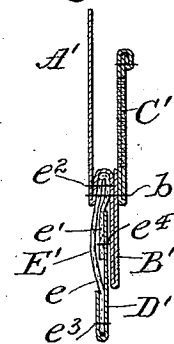


Fig. 6.



Inventor:

Herman Green
by Redding Kiddle

Attys.

UNITED STATES PATENT OFFICE.

HERMAN GREEN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS,
TO THE NEW YORK WAISTBAND COMPANY, OF SAME PLACE.

WAISTBAND.

SPECIFICATION forming part of Letters Patent No. 553,646, dated January 28, 1896.

Application filed October 30, 1895. Serial No. 567,356. (No model.)

To all whom it may concern:

Be it known that I, HERMAN GREEN, a subject of the Emperor of Germany, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Waistbands, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to waistbands for boys' pants or other like garments, which are intended to provide means for the attachment of the pants to the waist or other upper garment and at the same time to permit some yielding as between the pants and the waist, so that the pulling off or breaking out of the buttons and the buttonholes or loops or other fastening devices may be prevented. Waistbands of this description are usually attached to the pants at the back only by a supplemental band which is connected with the band proper by elastic strips, so that the band proper, which is buttoned or otherwise secured to the waist, may yield somewhat with respect to the supplemental band. So far as known to me such bands have been constructed hitherto in one of two ways. First, the supplemental or lower band has been made wholly independent of the upper band, or band proper and the intermediate elastic strips have been sewed at their ends to the upper edge of the lower band and to the lower edge of the upper band, respectively. Second, the band proper has been provided with a folded fly secured to its lower edge, the elastic strips being secured at their upper ends to the upper edge of the band proper and their lower ends to the lower edge of the folded ply, the said lower edge of the folded ply being sewed to the pants, while the band proper is free therefrom. The objection to the first construction is that the elastic strips are exposed and are not sufficiently protected from the heat and moisture of the body of the wearer, which occasions the rapid deterioration of the rubber. The objection to the second construction is mainly the cost of manufacture, which becomes an important consideration when it is realized that waistbands of this description are made by thousands in factories devoted to their manufacture and

are sold to the manufacturers of clothing. I have sought to overcome both of these objections and to produce a waistband in which the supplemental band to be secured to the pants may be entirely independent of the band proper and therefore of different and cheaper material and in which the elastic strips shall be covered and protected from the heat and moisture of the body of the wearer, while at the same time the elastic strips are reinforced in a manner which prolongs their life.

The improved construction will be fully described and explained hereinafter with reference to the accompanying drawings, in which—

Figure 1 shows a portion of a waistband constructed in accordance with my invention and in readiness to be applied to the pants, the side shown being that which comes next to the body of the wearer. Fig. 2 is a similar view, but showing the opposite side of the waistband and being partly broken out to show the construction more clearly. Fig. 3 is a section on the line *xx* of Figs. 1 and 2, the waistband shown in these figures being particularly adapted for use with loops, by which the attachment of the waistband to the buttons of the waist or other upper garment is effected. Fig. 4 is a view similar to Fig. 1, but showing the application of the invention to a waistband which is provided with a buttonhole-strip in place of the loops. Fig. 5 is a view of the opposite side of the band shown in Fig. 4. Fig. 6 is a section on the line *yy* of Fig. 4.

It will be understood that the proportions of Figs. 3 and 6 are necessarily exaggerated in order to show properly the relations of the parts.

Referring first to the construction shown in Figs. 1, 2, and 3, it will be seen that the band proper or upper band, which is free from the pants at the back, is in effect a compound band, consisting of an upper strip, A, of a suitable fabric, which is preferably turned over at the top, as at *a*, and is folded at the bottom, as at *a'*, to form a flap *a''*, for a purpose to be referred to, and a second or lower strip, B, which may be folded, if desired, and is attached to the upper strip, A, by sewing, as at

b. The loops C for engagement with the button on the waist or other upper garment are preferably secured by placing the ends of the cord between the strips A and B, turning the loops upward over the lower edge of the strip A and fastening them in position by sewing or otherwise, as at *c*. The lower or supplemental band D is independent of the upper band or band proper and is of sufficient width to underlie the lower portion, B, of the band proper and preferably to extend somewhat below the lower edge thereof, having, if desired, a hem *d*. Each one of the elastic strips E which connect the upper band or band proper with the lower or supplemental band is folded unequally to form two members *e* and *e'* and is attached to the upper band, by sewing or otherwise, as at *e*², at a point above its lower edge, preferably at the line of junction of the lower strip, B, with the upper strip, A. The longer member *e* of the elastic strip is fastened at its free end, by sewing or otherwise, as at *e*³, to the supplemental band D near its lower edge, the hem *d* being preferably turned up over the end of the strip. The member *e'* of the strip E is attached to its free end, by sewing or otherwise, as at *e*⁴, to the supplemental band D near its upper edge. The band D is thus maintained at all times substantially flat and is held up under the lower portion, B, of the band proper. When the elastic strips E are stretched the band D plays freely behind the said lower portion, B, but at no time clears the lower edge thereof, so that the said elastic strips are at all times covered and protected by one or more thicknesses of fabric.

The two members *e* and *e'* of each elastic strip supplement and reinforce each other, permitting the proper degree of stretch, while preventing undue strain upon either member alone. The flap *a*², hereinbefore referred to, may be turned down over the strips E, where they are fastened to the band A B, as represented in Figs. 2 and 3.

So far as the invention is concerned, the construction represented in Figs. 4, 5, and 6 does not differ materially from that already described. As shown, the band proper, A' B', is formed of a single strip of fabric, folded as represented, a buttonhole-strip C' being attached to the middle portion and the elastic strips E' being secured between the folds of

the band A' B'. The portion A' of the band proper and the buttonhole-strip C' are preferably united, by sewing, along the zigzag line *a*³, as indicated in Fig. 4, the line of stitching passing below the buttonholes in order that they may be engaged with the buttons of the waist. The supplemental band D' is formed as before and is attached at its lower and upper edges respectively to the several members *e* and *e'* of each elastic strip E'.

In the use of either form of the improved waistband the band proper is sewed to the inside of the pants at the top except across the back, and the supplemental band, which corresponds in length to the unattached portion of the band proper, is there sewed at its lower edge to the pants, thereby affording opportunity for the requisite yielding when the band proper is buttoned to the waist or other upper garment.

I claim as my invention—

1. A waistband for pants comprising a band adapted to be attached to a waist or other upper garment, a second band independent of the first and adapted to be secured to the pants, and elastic strips folded unequally and attached at or near the fold to the first named band and having the ends of each strip severally attached to the upper and lower portions respectively of said second band, substantially as shown and described.

2. In a waistband for pants, the combination of a compound band consisting of an upper strip of fabric adapted to be attached to a waist or other upper garment, and a lower strip of fabric secured to the first, a second band independent of said compound band and adapted to be secured at its lower edge to the pants, and elastic strips folded unequally and attached at or near the fold to the first named band at the line of junction of said upper and lower strips and having the free ends of each strip severally attached to said second band near the upper and lower edges thereof respectively, substantially as shown and described.

This specification signed and witnessed this 28th day of October, A. D. 1895.

HERMAN GREEN.

In presence of—

ALFRED W. KIDDLE,
W. B. GREELEY.