

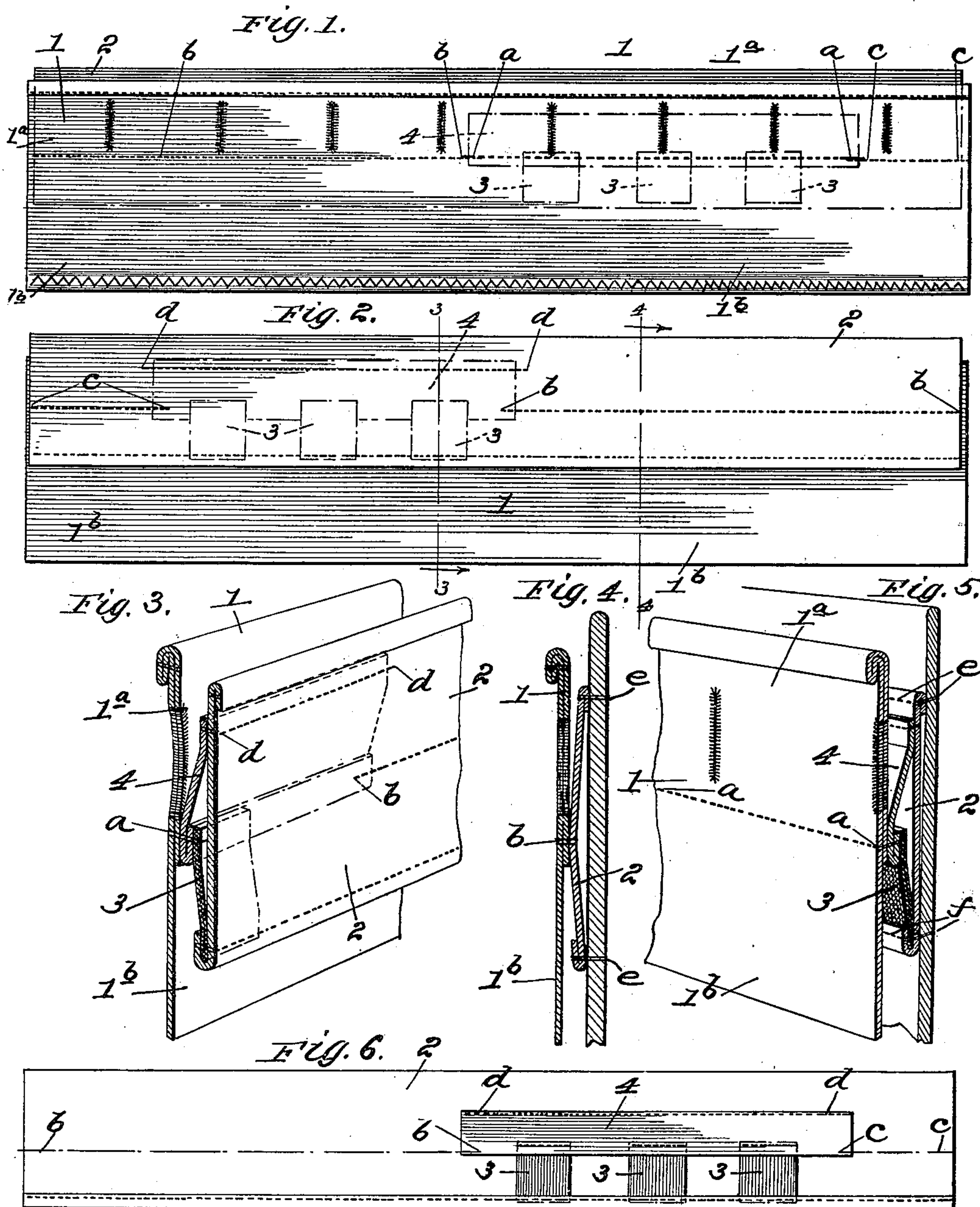
No. 667,548.

Patented Feb. 5, 1901.

M. MILLER.  
ELASTIC WAISTBAND FOR TROUSERS.

(Application filed Nov. 27, 1900.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

MORRIS MILLER, OF NEW YORK, N. Y.

## ELASTIC WAISTBAND FOR TROUSERS.

SPECIFICATION forming part of Letters Patent No. 667,548, dated February 5, 1901.

Application filed November 27, 1900. Serial No. 37,914. (No model.)

*To all whom it may concern:*

Be it known that I, MORRIS MILLER, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain Improvements in Elastic Waistbands for Trousers, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

10 Figure 1 is a face view of the inner side of the band detached from the trousers; Fig. 2, a similar view of the reverse or outer side of the band; Fig. 3, a sectional perspective view taken on line 3 3 of Fig. 2, the parts being  
15 greatly enlarged to better show the construction; Fig. 4, a vertical sectional view taken on line 4 4 of Fig. 2; Fig. 5, a sectional perspective view showing the manner of attaching the band to the trousers, the parts being  
20 enlarged; Fig. 6, a detail face view of the inner side of the under band, the main or buttonhole band being removed.

This invention relates to an elastic waistband adapted for trousers which are to be secured to a waist or similar garment by means of a series of buttons. The great majority of the bands of this character which are now in use consist of a longitudinally-folded piece of fabric which for a portion of its length is held  
30 yieldingly in its folded position by means of elastic straps, or a folded or slack stay or ply is attached at one of its edges to the band proper and at its other edge to an under band or back lining, which is secured to the trousers, and elastic strips are attached to the folded strip and to the band proper to yieldingly hold the strip in its folded position. The elastic strips in both of these forms of devices restore the folded part to its normal folded  
40 position after it has been drawn out by a strain on the band. These forms of bands are objectionable in that they are expensive to manufacture, and after they have been in use for a short time the folded part does not return  
45 to its folded position after it has been unfolded by a strain on the band proper, but is simply bunched or gathered by the elastic.

One of the main objects of the present invention is to produce a simple band without a yielding longitudinal fold or a folded or slack-limiting stay or ply.

Another object of the invention is to pro-

duce a band wherein the under band only will be attached directly to the trousers, said under band being narrower than the main or  
55 buttonhole band and being covered thereby, the buttonhole-band being extended at its bottom to form a curtain, which may be suitably ornamented by stitching to give the inner or exposed side of the band a neat appearance.

The buttonhole-band 1 is formed from a single piece of fabric folded longitudinally to form the upper doubled portion 1<sup>a</sup>, in which the buttonholes are formed, the folded-over  
65 part being on the outer side of the band and the lower single part which forms the curtain 1<sup>b</sup>. This curtain completely covers the lower part of the under band and protects the elastics, which are described hereinafter, from  
70 the moisture of the body of the wearer and also gives to the inner side of the band a neat appearance. The upper edge of this buttonhole-band is hemmed to give it strength. The under band 2 is a single piece of unfolded fabric, narrower than the buttonhole-band, and  
75 attached thereto at its lower edge on its inner side—that is, on the side which will be nearer the body of the wearer—are three short vertical straps 3 of elastic material. These  
80 elastic straps are secured to the under band at the proper point so that when the under band is secured to the buttonhole-band these straps will be directly below the three back buttonholes, as indicated in dotted lines in  
85 Fig. 1. The upper ends of these straps are secured to the lower edge of a short horizontal supporting-strip 4 of non-elastic fabric. The lower edge of this strip is strongly sewed to the outer side of the buttonhole-band on  
90 the line *a a*, just below the three back buttonholes, the sewing passing through the lower edge of the doubled part 1<sup>a</sup> of the main band 1. The under band is then stitched to the buttonhole-band just below the buttonholes, the  
95 stitching passing through the lower edge of the doubled part thereof on the lines *b* and *c*, which extend from the ends of the non-elastic strip to the ends of the bands. These lines of stitching are directly in line with the line  
100 *a a* which secures the buttonhole-band to the lower edge of the non-elastic strip and are practically continuations thereof, as shown in Fig. 1. The buttonhole-band is unattached



to the under band between the inner ends of the lines of sewing *b* and *c*, the said buttonhole-band being sewed to the non-elastic strip 4 for this part of its length. To support the  
 5 buttonhole-band where it is unattached to the under band, the upper edge of the non-elastic supporting-strip 4 is sewed to the under band on the line *d d*. The non-elastic supporting-strip and the elastic straps are between the  
 10 under band and the buttonhole-band, the elastic straps holding the non-elastic supporting-strip normally flat and without folds or slack.

The band is attached to the trousers by straight lines of sewing along the upper and  
 15 lower edges of the under band, as indicated at *e* and *f* in Figs. 4 and 5. It will thus be seen that the band is exceedingly simple, strong, and durable. The curtain 1<sup>a</sup> of the buttonhole-band covers the elastics 3 and pro-  
 20 tects them from the moisture of the body, and being free at its lower edge it may be turned up to permit of the removal of worn or broken elastics and the replacing of new ones without in the least marring the appearance of the  
 25 inner or exposed face of the band.

It will be readily understood that when an upward pull is applied to the band at the three back buttonholes the elastics will be extended and the lower edge of the non-elastic  
 30 strip will be carried upward with the buttonhole-band. This upward movement is limited by the width of the strip 4, and when the buttonhole-band has moved upward to this limit the strain is taken up by the non-elastic strip. When the strain is removed, the  
 35 elastic bands return the buttonhole-band and the non-elastic strip to their normal positions. It will thus be seen that this band is formed without longitudinal yielding folds in the  
 40 main band and without folded or slack limiting stays or plys. It will also be seen that the under band is stitched permanently to the trousers at its upper and lower edges and does not move with the main band, that the  
 45 main band is free at its upper and lower edges and is not at any point attached directly to the trousers, and that the under band and the attached elastics will be entirely covered and protected by the main  
 50 band.

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

1. A waistband, elastic for a portion of its  
 55 length, consisting of a main or buttonhole band, an under band attached to the main band for a portion of its length below the

buttonholes, a non-elastic supporting-strip secured at one of its edges to the under band and at its other edge to the buttonhole-band  
 60 below the buttonholes at the point where said band is unattached to the under band, and an elastic secured at its upper end to the buttonhole-band adjacent to the supporting-strip and at its lower end to the under band below  
 65 the non-elastic supporting-strip.

2. A waistband consisting of a main band comprised of an upper buttonhole portion and a lower curtain portion, an under band narrower than the main band and adapted to be  
 70 secured at its upper and lower edges to a garment and secured to the buttonhole-band below and near to the buttonholes for a portion of its length, a non-elastic strip between the main  
 75 band and the under band, and secured at its upper edge to the under band, and at its lower edge to the buttonhole-band where said band is unattached to the under band, an elastic  
 80 between the main band and the under band and secured at its upper end to the buttonhole-band adjacent the non-elastic supporting-strip and secured at its lower end to the under band below the non-elastic supporting-strip, whereby the lower curtain portion of the buttonhole-band covers the under band  
 85 but is unattached thereto.

3. A waistband consisting of a buttonhole-band, an under band unattached at its upper and lower edges to the buttonhole-band but secured thereto for a portion of its length by  
 90 a longitudinal line of sewing about midway the width of the band, whereby the buttonhole-band may be turned up at its upper or lower edges to expose the under band, a flat and non-elastic strip secured at its lower longitudinal  
 95 edge to the buttonhole-band where said band is unattached to the under band, the line of sewing securing the non-elastic strip to the buttonhole-band being practically a continuation of the line of sewing which se-  
 100 cures the under band to the buttonhole-band, the upper edge of said non-elastic strip being secured to the under band, and an elastic secured to the buttonhole-band and to the under band to normally hold the non-elastic supporting-strip flat and unfolded.  
 105

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 26th day of November, 1900.

MORRIS MILLER.

Witnesses:

JOHN G. PEARSE,  
 WM. R. DAVIS.