July 7, 1936. S. SHAPIRO 2,046,974

WAIST BAND FOR TROUSERS

Filed April 10, 1935

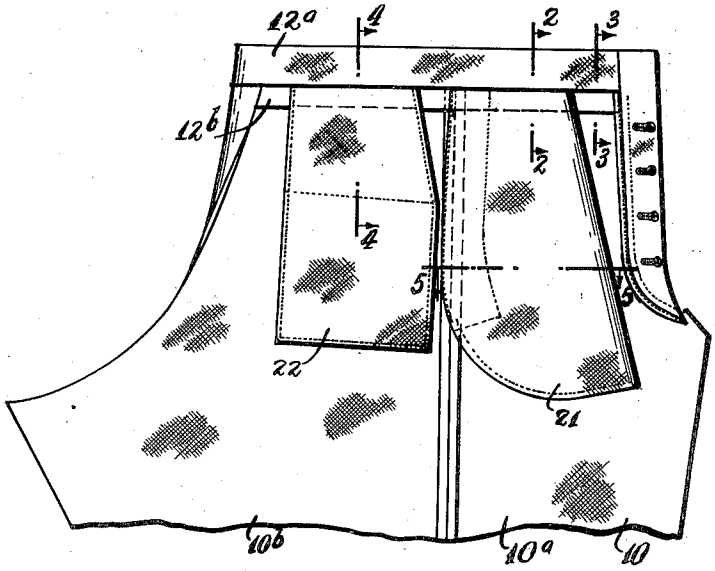



Fig. 1.

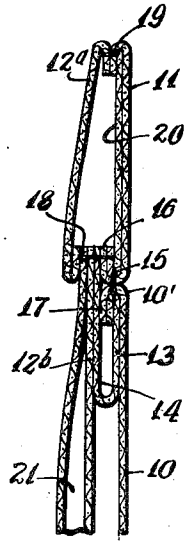



Fig. 2.

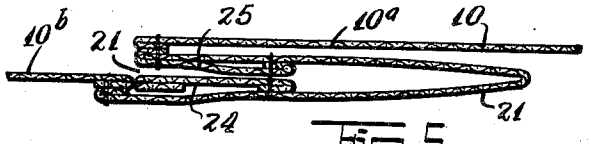



Fig. 5.

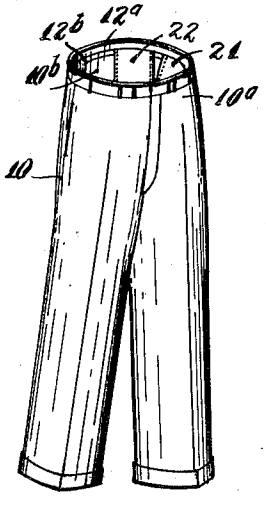



Fig. 6.

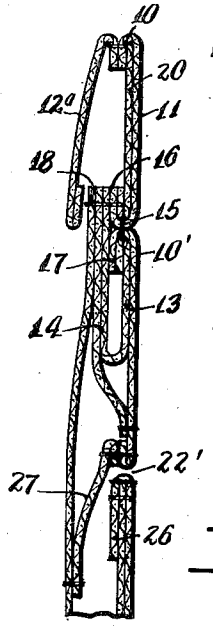



Fig. 4.

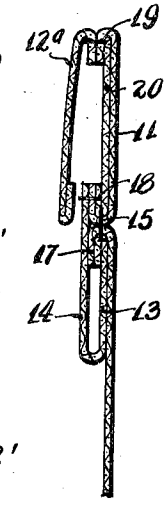



Fig. 3.

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Patented July 7, 1936 2,046,974

# UNITED STATES PATENT OFFICE

2,046,974

## WAIST BAND FOR TROUSERS

Samuel Shapiro, New York, N. Y.

Application April 10, 1935, Serial No. 15,529

4 Claims. (Cl. 2—236)

This invention relates to new and useful improvements in the waistband of men's trousers and also refers to a method for constructing the same by which the waistband may be constructed entirely with a sewing machine.

With the present day construction of waistbands for trousers it is necessary that at least one edge thereof be manually sewed down. It is customary that the major portion of a waistband is constructed with a sewing machine, but it is impossible with present day designs to finish the waistband except by hand.

This invention proposes to so arrange the parts of the waistband that they may be sewed together by a machine in a particular sequence.

Another object of the invention is to construct the waistband from an outer material band attached upon the upper edge of the trousers, and an inner material band consisting of a flat top section and a bottom section of J shape in transverse cross section and arranged in a particular manner to obtain the advantages stated.

Still further the invention contemplates the securing of the adjacent edges of the top edge of the trousers and the outer material band, with the top edge of the short arm of the J shape by stitches spaced in slightly from the edges thereof forming flanges. Furthermore, it is proposed to attach the top edge of the long arm of the J upon one of said flanges, and to attach the top edge of the flat top section of the inner material band to the top edge of the outer material band in such a manner that it depends and covers the top edge of the long arm of the J shape.

It is further proposed to use lining material for certain of the band parts arranged so as not to interfere with the objects of this invention.

Furthermore, the invention contemplates a novel manner of attaching the pockets of the trousers on the band.

Another object of the invention is the construction of a waistband as described which is simple and durable and which can be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a rear elevational view of a section of a pair of trousers with a section of a band constructed according to this invention.

Fig. 2 is a fragmentary enlarged sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary enlarged sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary sectional view taken on the line 4—4 of Fig. 1.

Fig. 5 is a fragmentary horizontal sectional view taken on the line 5—5 of Fig. 1.

Fig. 6 is a perspective view of a pair of trousers in which the waistband is used.

In Fig. 1 a portion of a pair of trousers is illustrated constructed with the waistband according to this invention. The portion 10 consists of the left side front quarter 10a secured together with the left side rear quarter 10b. These parts are of conventional design and therefore will not be described in detail. The portion 10 terminates at the top in a top edge 10'.

The waistband, according to this invention, comprises an outer material band 11, and an inner material band consisting of a flat top section 12a and a bottom section 12b of substantially J shape in transverse cross section. The J shape may easily be recognized in Figs. 2, 3 and 4. The short arm thereof is indicated by reference numeral 13 and the long arm by numeral 14. The adjacent edges of the top edge 10' of the trousers and the outer material band 11, and the top edge of the short arm 13 of the J-shaped section are secured together by a line of stitches 15 spaced in slightly from the edges thereof forming flanges 16 and 17. The flange 16 is pressed upwards, while the flange 17 is pressed downwards as clearly shown on the drawing. The top edge of the long arm 14 of the J shape section is secured by a line of stitches 18 to the top flange 16. The top edge of the flat top section 12a is secured by a line of stitches 19 with the top edge of the outer material band 11.

The outer material band 11 is equipped with a lining 20 which is secured in position by reason of having one of its edges conforming with the flange 16 and secured in position by the same stitches associated with this flange. The pair of trousers is shown provided with a side pocket 21 and a back pocket 22. These pockets are secured upon the trousers by reason of having their upper edges secured to the top flange 16, preferably by the same line of stitches previously mentioned.

The method of constructing the waistband may be understood from following the steps in proper sequence. The lining material 20 is placed on the

outer material band 10, and the material 13, 14 (hereafter forming the J shape is placed upon the trouser material 10. The parts are then secured together with the line of stitches 15. The flanges 16 and 17 are then opened. The top horizontal section 12a of the inner material band is attached to the top edge of the outer material band 11 by the line of stitches 19, and the parts bent as shown for example in Fig. 2 of the drawing.

The free edge of the material 14 is lifted up to form the J shape and is secured to the flange 16 by the line of stitches 18. The flat top section 12a is of sufficient width to extend over the top edge of the long arm 14 of the J shaped material. It should be noted that the waistband has been constructed entirely by stitches which may readily be formed by a conventional sewing machine.

The pocket 21 is of conventional construction except for the fact that it has its top edge secured to the flange 16 as clearly shown in Fig. 2. This pocket is formed with a side opening similar to the construction of side openings in present day trousers. The mouth of the pocket is indicated by reference numeral 21'. This mouth is reinforced by strips 24 and 25 attached on the opposed sides thereof.

The pocket 22 is also more or less of conventional construction except for the fact that it is secured to the flange 16 (see Fig. 4). This pocket is formed with a mouth 22' in the material of the trouser, spaced down substantially from the waistband. The mouth 22' is reinforced and formed with strips 26 and 27 attached on the opposed sides thereof.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. A waistband for trousers comprising outer material in the form of trousers and having a top edge, an outer material band, an inner material band consisting of a flat top section and a bottom section of J shape in transverse cross section, the adjacent edges of the top edge of the trousers and the outer material band and the top edge of the short arm of the J shape being secured together in one operation and spaced in from their edges so as to form flanges, a line of stitches securing said edges together, the top edge of the long arm of the J shape being secured to one of said flanges, and the top edge of the flat top section being secured to the top edge of the outer material band, said long arm of the J shape and said flange being secured together with stitches.

2. A waistband for trousers comprising outer material in the form of trousers and having a top edge, an outer material band, an inner material band consisting of a flat top section and a bottom section of J shape in transverse cross section, the adjacent edges of the top edge of the trousers and the outer material band and the top edge of the short arm of the J shape being secured together in one operation and spaced in from their edges so as to form flanges, a line of stitches securing said edges together, the top edge of the long arm of the J shape being secured to one of said flanges, and the top edge of the flat top section being secured to the top edge of the outer material band, said outer material band being equipped with a lining, said long arm of the J shape and said flange being secured together with stitches.

3. A waistband for trousers comprising outer material in the form of trousers and having a top edge, an outer material band, an inner material band consisting of a flat top section and a bottom section of J shape in tranverse cross section, the adjacent edges of the top edge of the trousers and the outer material band and the top edge of the short arm of the J shape being secured together by stitches in one operation and spaced in from their edges so as to form flanges, a line of stitches securing said edges together, the top edge of the long arm of the J shape being secured to one of said flanges, the top edge of the flat top section being secured to the top edge of the outer material band, and pockets for the trousers having their top edges secured to one of said flanges, said long arm of the J shape, said flange, and said pocket being sewn in position in one operation.

4. A waistband for trousers comprising outer material in the form of trousers and having a top edge, an outer material band, an inner material band consisting of a flat top section and a bottom section of J shape in transverse cross section, the adjacent edges of the top edge of the trousers and the outer material band and the top edge of the short arm of the J shape being secured together in one operation and spaced in from their edges so as to form flanges, a line of stitches securing said edges together, the top edge of the long arm of the J shape being secured to one of said flanges, the top edge of the flat top section being secured to the top edge of the outer material band, and pockets for the trousers having their top edges secured to one of said flanges, said latter-mentioned flange being the top flange, said long arm of J shape, said top flange, and said pocket being secured in one operation and said flat top section being free at its lower edge.

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