

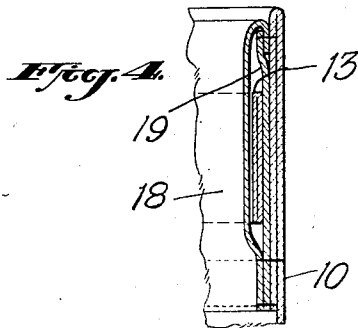
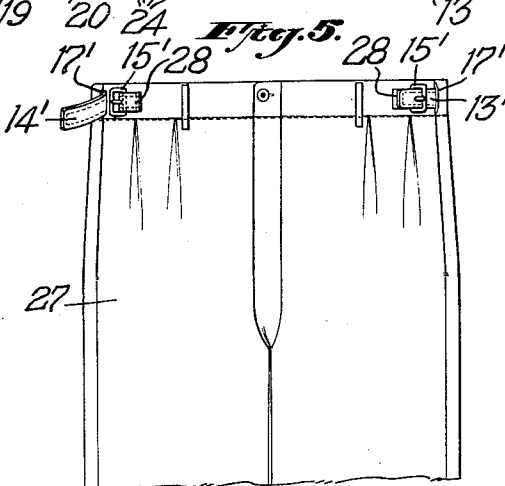
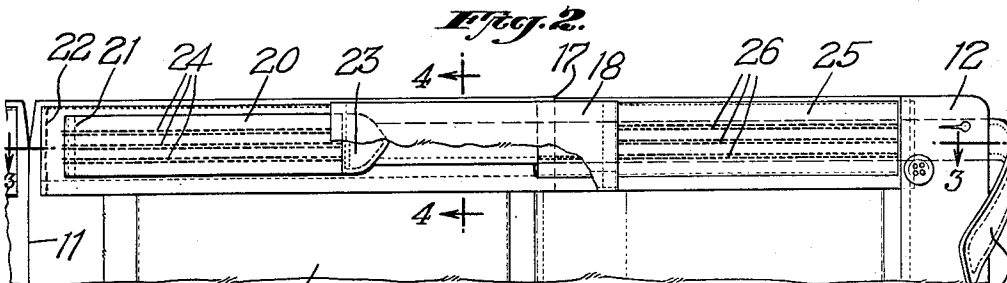
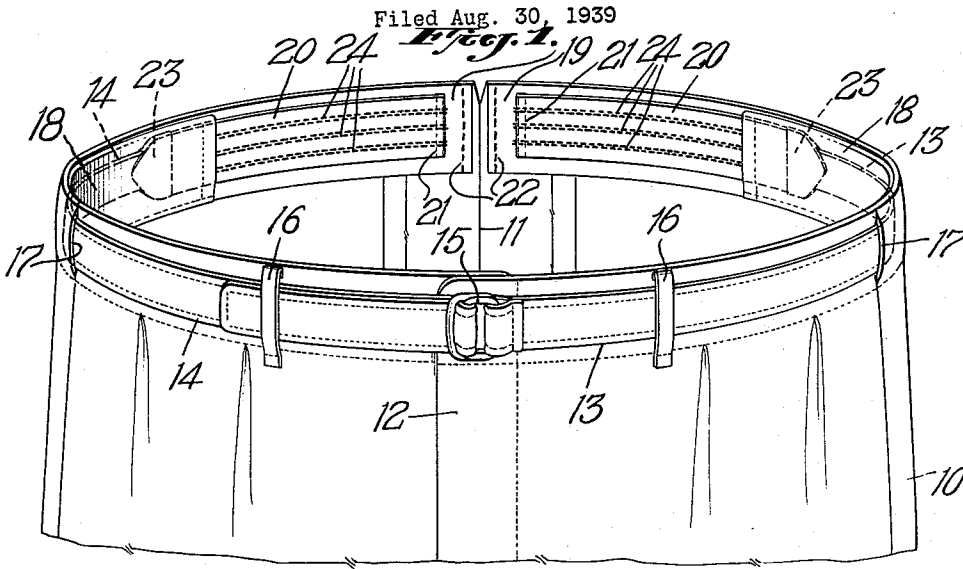
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2,236,693

TROUSERS

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TROUSERS

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2 Claims. (Cl. 2-237)

This invention relates to improvements in trousers, and more particularly to trousers having belts as part thereof.

Objects.—Among the principal objects which the present invention has in view are: to provide means in the waist portion of trousers whereby only part of a belt will be in view and the other part of said belt will constitute a portion of the waistband; to utilize elastic material for the part of the belt within the trousers and non-elastic material for part of the belt which is in view; to provide an elastic strip secured at its inner end to the interior of the trousers at the back thereof with the forward end free from direct attachment to the trousers but secured to the other non-elastic material for comprising a belt; to provide means for enclosing the joining ends of the elastic portion and the non-elastic belt material; to provide side openings in the trousers whereby the non-elastic portions of the belt are passed outwardly from the interior of the trousers to go from side to side across the front of the trousers; to provide means on the elastic strips for engaging another garment; to provide similar means on the interior of the trousers towards the front thereof to likewise engage a garment; to enable the wearer of a pair of trousers embodying the features of the said invention to be comfortable and be enabled to prevent a shirt or the like from sliding upwardly out of place from within the trousers; to secure simplicity of construction, operation and of minimum cost to manufacture; and to obtain other advantages and results as may be brought out in the following description.

Drawing.—Figure 1 is a perspective view of the upper half of a pair of trousers embodying my invention;

Figure 2 is an elevation of the interior of one side of the trousers, the other side being identical in construction;

Figure 3 is a horizontal sectional view taken on line 3—3 of Figure 2, showing the trouser portion in section and the elastic strip, belting material and gripping material in elevation;

Figure 4 is a vertical section taken on line 4—4 of Figure 2; and

Figure 5 is an elevation of the upper part of a pair of trousers showing the belt portions terminating at the sides thereof.

Description.—In the specific embodiment of the invention illustrated in said drawing, the reference numeral 10 indicates in general a pair of trousers having the usual rear seam 11 and front fly overlap 12. At the front of the trousers

I have shown belt portions 13, 14 which are similar one to the other except that the portion 13 is provided with a buckle 15 for receiving and adjustably holding the other belt section 14. These belt sections are shown passing through the usual retaining straps 16 forming part of the trousers toward the front thereof as is usual in mounting belts upon the trousers.

Toward each side of the trousers, I provide a vertical opening 17 for passing the belt from the inside of the trousers to the outside thereof. Behind this opening is an enclosing or tunnel band 18 secured to or forming part of a waistband 19 which extends around the upper inner margin of the trousers. The belt portions 13 and 14 are preferably non-elastic material, and may be of the same material as that of which the trousers are made, or may be of any other suitable belting material. The length of each belt portion 13, 14 is long enough so that its inner end is entirely hidden within the tunnel formed by band 18. Within said tunnel the end of said belt portion is secured to the end of an elastic strip or belt section 20 which protrudes from the rear end of the tunnel formed by band 18 and continued adjacent to the waistband 19 substantially as far as the rear seam 11 of the trousers. As best shown in Figure 3, the elastic strip or belt section 20 is attached by a vertical line of stitching 21 which passes through the said belt section and waistband so as to be a permanent part of the waistband. After the waistband has been assembled, the same is attached to the trousers, as by stitching 22. Since the only attachment of the elastic strip 20 is at its end next the rear seam of the trousers, the said strip will respond to longitudinal tension resulting from a pull on the non-elastic belt portions 13, 14. The length of the elastic strip 20 is sufficient so that its forward end is always within the tunnel formed by band 18 and consequently the juncture or attachment of the elastic material to the non-elastic material is hidden from view and is protected by the band so as not to be objectionable in use. As here shown, an overlapping reinforcing material 23 is shown as secured to the meeting ends of the elastic and the non-elastic portions of the belt, said reinforcing material 23 thereby constituting a connector for the two materials. Other means of attachment may be employed if so desired.

As an important feature of the present invention I provide means for engaging the shirt or other upper garment worn by the user, so as to retain the shirt tail from working up. For ac-

completing this purpose, I preferably provide a plurality of ridges 24 longitudinally of the elastic material, said ridges protruding from the face of the material and all of a character which will not interfere with the purpose of the elastic material for maintaining tension and yet which will function to accomplish the retaining purpose above mentioned. As a very effective means of forming the ridges, I apply several rows of chain stitching using an elastic thread. Such a thread formed in a ridge as indicated will have a very effective frictional contact with the wearer's shirt and will keep the same from working out and becoming unsightly. Forward of the tunnel band 18, I apply a strip of non-elastic material 25, the rear end of which enters beneath the said band, and the forward end of which extends substantially to the fly overlap 12. This non-elastic strip is also provided with ridges 26 of the same character as ridges 24, that is, the preferably protruding elastic thread formed by a chain stitch. By providing this strip and its ridges, the wearer's shirt is held at its front portion also from pulling out.

While in the foregoing description, I have indicated the non-elastic belt portions 13, 14 extending to the front of the trousers and there buckled together, it is within the scope of the invention to otherwise maintain the tension around the waist portion of the trousers, and exemplifying another accomplishment of the result desired, I have shown a pair of trousers 27 in Figure 5 wherein the protruding belt sections 13', 14' come out on the openings 17' as in the previous case and are tensioned by elastic strips within the trousers precisely as shown in Figure 1. The difference of construction between the preferred embodiment and that of Figure 5 is in the provision of a buckle 15' on the outside of the trousers near each opening 17', 17', each said buckle being held by a securing tab 28 preferably of the same material as that comprising belt sections 13', 14'. Said tabs are sewn to the trousers and it will accordingly be observed that tensioning is obtained upon the front portion of the trousers directly rather than by the belt portions extending all the way across as in Figure 1.

Obviously other detail changes and modifications may be made in the construction and use of my improved trousers, but I do not wish to be understood as limiting myself to the precise details shown or described except as set forth in the following claims when construed in the light of the prior art.

I claim:

1. In trousers having a waist portion and waist band on the inside thereof, tunnel bands on the inside of the trousers and waistband each at-

tached at its rear end approximately midway from center-back to sides of the trousers and extending forwardly with its forward ends substantially at the side of the trousers, openings at each side of the waist portion and waistband adjacent the forward terminations of the tunnel bands thereat, a belt secured to the waistband midway of the back of said trousers, said belt having non-elastic portions and elastic portions, said elastic portions extending from the secured portion on the inside of the trousers and the non-elastic portions having their rear ends entirely within the tunnel bands and having their forward ends passing outwardly from the tunnel bands and trousers through the openings to the outside of the trousers, and said elastic portions having elastic ribs of elastic threads on the surface thereof exposed to the inside of the trousers, said ribs extending longitudinally of the said elastic portions of the belt for obtaining frictional contact with another garment when tucked in the trousers.

2. In trousers having a waist portion and waist band on the inside thereof, tunnel bands on the inside of the trousers and waistband each attached at its rear end approximately midway from center-back to sides of the trousers and extending forwardly with its forward ends substantially at the side of the trousers, openings at each side of the waist portion and waistband adjacent the forward terminations of the tunnel bands thereat, a belt secured to the waistband midway of the back of said trousers, said belt having non-elastic portions and elastic portions, said elastic portions extending from the secured portion on the inside of the trousers and the non-elastic portions having their rear ends entirely within the tunnel bands and having their forward ends passing outwardly from the tunnel bands and trousers through the openings to the outside of the trousers, and said elastic portions having elastic ribs of elastic threads on the surface thereof exposed to the inside of the trousers, said ribs extending longitudinally of the said elastic portions of the belt for obtaining frictional contact with another garment when tucked in the trousers, and strips of non-elastic material stitched to the inside of the waistband extending from the tunnel bands to adjacent the inside front portion of the trousers, and said strips having elastic ribs of elastic threads on the sides thereof exposed to the inside of the trousers whereby frictional contact with the tucked-in garment will be accomplished in conjunction with the elastic ribs of the elastic portions of the belt.

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