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FASTENING DEVICE FOR TROUSERS OR SIMILAR ARTICLES.

APPLICATION FILED JAN. 31, 1912.

1,034,353. Patented July 30, 1912.

Fig. 1.

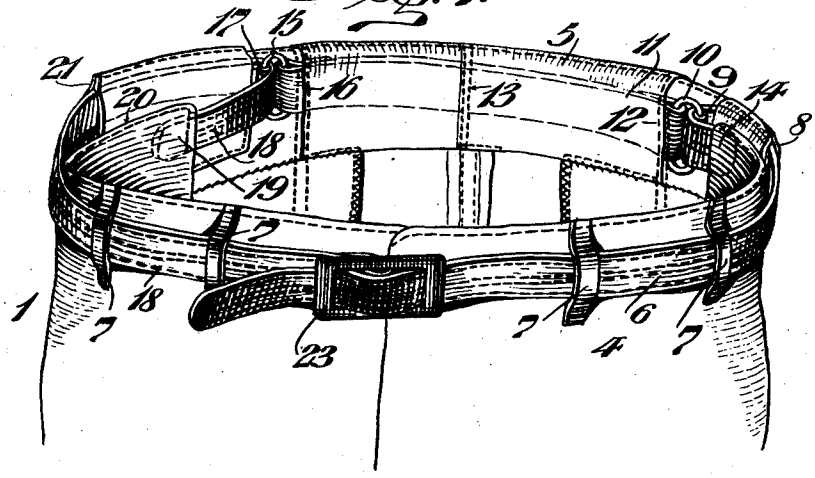


Fig. 2.

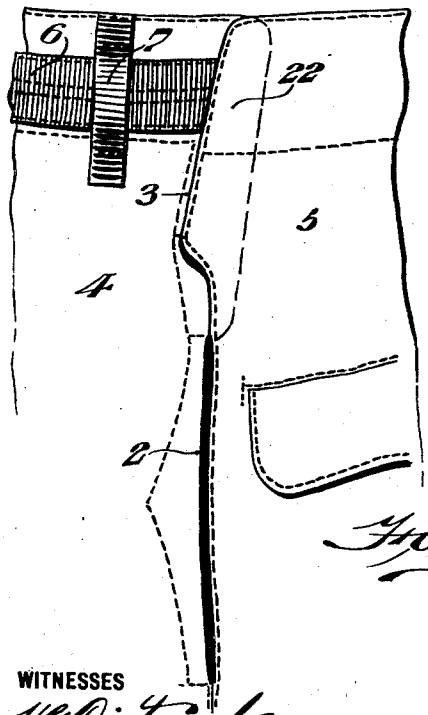


Fig. 3.

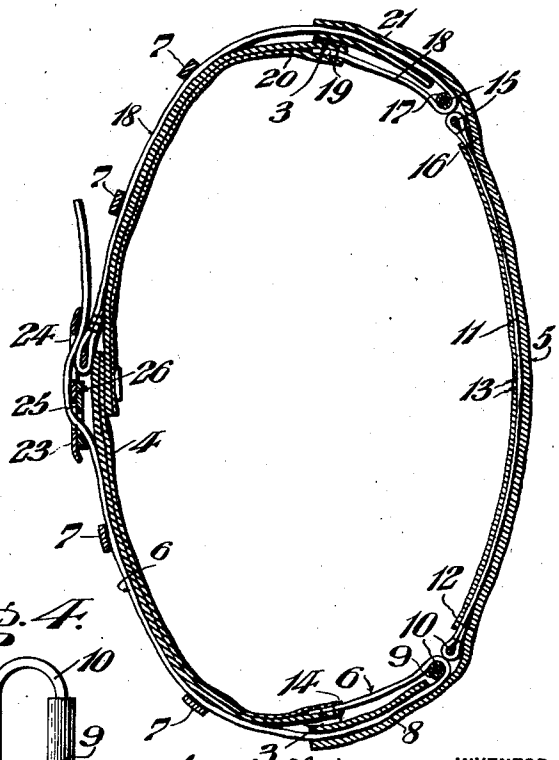
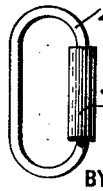


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FASTENING DEVICE FOR TROUSERS OR SIMILAR ARTICLES.

1,034,353. Specification of Letters Patent. **Patented July 30, 1912.**

Application filed January 31, 1912. Serial No. 674,586.

To all whom it may concern:

Be it known that we, ALBERT FRIEDMAN, JOSEPH LIEBERMAN, and BENJAMIN ROSE, all citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Fastening Device for Trousers or Similar Articles, of which the following is a specification.

Our present invention consists of a novel construction of a fastening device for trousers or similar articles, wherein the fastening device presents the appearance of an ordinary belt, which is self-adjustable and works on roller bearings, whereby by means of a single adjustment the trousers or other garment will be caused to closely engage the body of the wearer without producing any folds whatever in the garment.

It further consists of a novel construction of fastening device for trousers and the like, wherein the waist portion of the trousers is provided with oppositely located slits or openings, the front portion having secured thereto the tape to which the ends of the belt are connected, said belt passing around roller bearings fixedly carried by the rear portion of the trousers and then passing through pockets and the ends of the belt being secured together by means of a fastening device of any desired or conventional type.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

For the purpose of illustrating our invention, we have shown in the accompanying drawings one form thereof which is at present preferred by us, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which our invention consists can be variously arranged and organized and that our invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

Figure 1 represents a perspective view of a fastening device for trousers and the like, embodying our invention. Fig. 2 represents a side elevation of Fig. 1. Fig. 3 represents a transverse section of Fig. 1. Fig. 4 represents in side elevation, a detail view of the roller bearing employed.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings: 1 designates the trousers or other garment to be supported, on opposite sides of which are the side pockets 2. The waist portion of the trousers is slit as indicated at 3, thereby forming the front portion 4 and the rear portion 5.

6 designates one of the belt straps which is retained in position with respect to the front portion 4 by means of straps 7, said belt portion 6 then passing through the belt pocket 8 carried by the rear portion 5 of the trousers, then passing over the roller 9 which is freely rotatable and mounted on a metal loop 10, which is secured to the tape 11 by means of a row of stitching 12, which passes through the inner and outer layers which form the garment, said tape 11 passing between the double layers of the fabric and being centrally stitched thereto as at 13. The end of the belt portion 6 after passing around the roller 9 is stitched or otherwise secured to the inner flap 14 forming part of the front portion 4. The opposite end of the tape 13 is secured to a metal or other loop 15 by means of a row of stitching 16 or equivalent fastening devices, said loop 15 having also mounted thereon a roller 17, which corresponds in construction to the roller 9.

18 designates the buckle carrying portion of the belt which is stitched or otherwise fixedly secured at 19 to the side flap 20, said belt then passing around the roller 17 and through the belt pocket 21 formed by a double layer of fabric, thus reinforcing the said flap as at 22, as will be readily understood by reference to Fig. 3. The belt portion 18 then passes through the straps 7 and is provided with a buckle 23 of any desired or conventional type, but for convenience of illustration, we have shown one wherein the same comprises a body portion to which is secured the end of the belt member 18 and such body portion is provided with the slots 24 and 25, a sliding member 26 being employed which causes the belt member 6 to firmly engage the body portion of the buckle 23 when the parts are in assembled position.

The belt pockets 8 and 21 are formed by taking a strip of material and stitching the same at its upper and lower portion to the

top of the trousers, so that a double thickness of material is formed which overlaps the flap portions of the front portion of the trousers.

Special attention is directed to the fact that the roller bearings are located in close proximity to the belt pockets, the result of which is that the flaps on both the front and rear portion of the trousers are drawn into very close engagement with each other when the belt is fastened. It will be apparent that when the belt is tightened, the result will be to draw the front portion of the trousers rearwardly and the rear portion forwardly, thus insuring a very snug fit without necessitating the folding and doubling of any portions of the trousers.

We are aware that it has heretofore been proposed in the patent to Morton, No. 916,577, patented March 30th, 1909, to provide two separate belt portions which serve as a means of fastening the pockets and wherein the slack portion is folded into the pockets, but our invention is widely differentiated from such a construction and to such a construction and the constructions of the prior art, we make no claim, since the belt members in our device pass in a novel manner through a novel construction of belt pockets which accurately guide the belt members in their movements and owing to the location of the roller bearings with respect to the belt pockets, the inner and outer flaps are brought closer together and there is no folding of the trousers or other parts of the material, and since the roller bearings are carried at the ends of a tape fastened directly to the rear portion of the trousers, a very strong and substantial construction is provided, and there is no liability of the same becoming stretched or torn.

It will now be apparent that we have devised a novel and useful construction of a fastening device for trousers or similar articles, which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description, and while we have, in the present instance, shown and described a preferred embodiment thereof which has been found in practice to give satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:—

1. In a device of the character stated, the combination with trousers having side slits at the hip portion on opposite sides thereof, thereby forming front and rear portions with overlapping side flaps, belt pockets on opposite sides of the rear portion near the forward ends thereof, bearing members each secured to said rear portion in proximity to the rear end of the pocket adjacent thereto, a belt member passing through each pocket and around the adjacent bearing member and having one end fixed to the adjacent side flap of the front portion, and a fastening device secured to one belt member and coöperating with the other belt member to maintain the front and rear portions in adjustable position without producing any folds in the trousers.

2. In a device of the character stated, the combination with trousers having side openings forming front and rear portions with side flaps, the flaps on the rear portion having belt guiding means, a tape extending around the rear portion and secured thereto and terminating in proximity to said guiding means, a belt guide secured at each end of the tape, a belt member passing through each guiding means and around the belt guide in proximity thereto and fixed at one end to the flaps on the front portion, and means for fastening together the ends of the belt members.

3. In a device of the character stated, the combination with trousers having side openings forming front and rear portions with side flaps, the flaps on the rear portion having belt guiding means, a tape extending around the rear portion and secured thereto and terminating in proximity to said guiding means, a roller bearing secured at each end of the tape, a belt member passing through each guiding means and around the roller bearing in proximity thereto and fixed at one end to the flaps on the front portion, belt guiding straps on the front portion, and means for fastening together the ends of the belt members.

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