Oct. 17, 1939. J. SIEGEL 2,176,229

SEAM FOR GARMENT CONSTRUCTIONS

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FIG. 1.

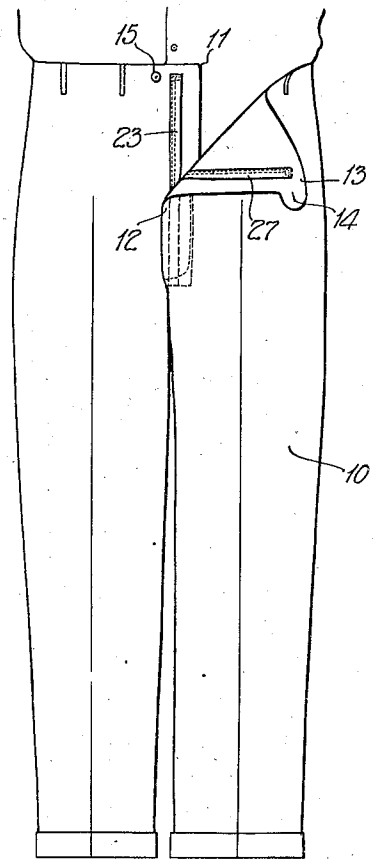


FIG. 2.

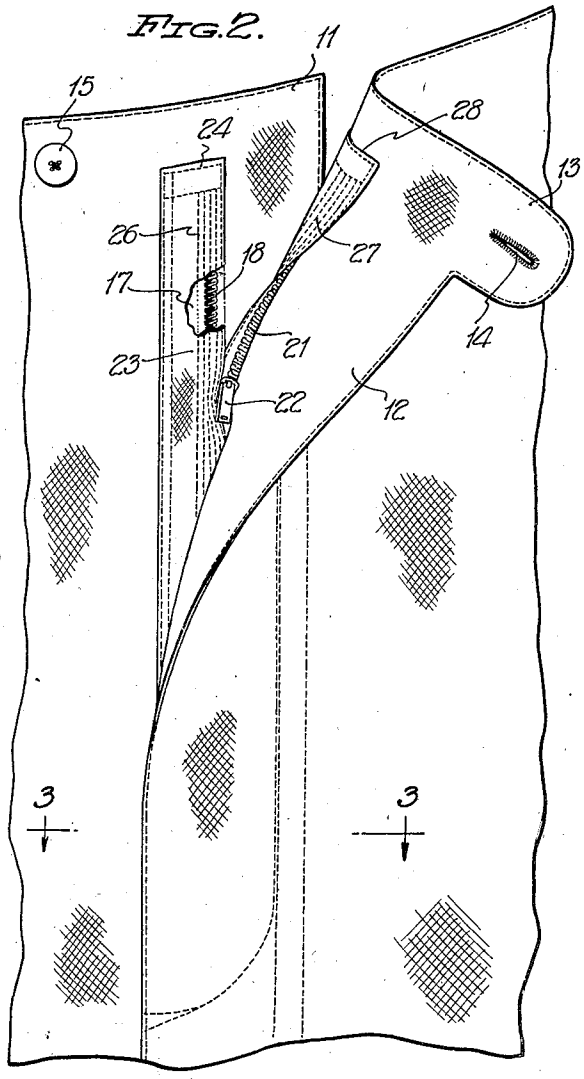
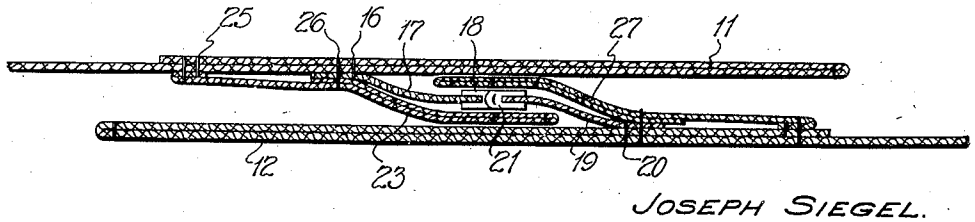


FIG. 3.



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SEAM FOR GARMENT CONSTRUCTIONS

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2 Claims. (Cl. 2—234)

The metallic seam type of fly closure which has come into somewhat extensive use in connection with men's trousers has several serious disadvantages both from the standpoint of properly tailored appearance of the garment and from the standpoint of comfort of the users of the garment.

As heretofore constructed the two overlapping fly forming portions of the trousers each carrying a line of metallic teeth concealed by the outer flap of the fly and closed by a slide fastener.

In button type flies the flap which carries the button holes affords a channel and the edges of this channel can be conveniently tacked between each button hole so that the danger of the entire outer flap blowing open or opening up of its own accord during bending movements of the body and thereby exposing the buttons is eliminated. With fly structures embodying the slide fastener closures, however, there is no possibility of tacking at intervals to prevent the outer flap from folding or blowing open since any tacking would interfere with the manual manipulation of the slide fastener.

As a result the appearance of the garment is frequently spoiled and the user of the garment embarrassed by the flowing open of this flap which exposes an unsightly shiny line of metallic teeth.

Another serious disadvantage of the slide fastener type of fly construction as heretofore used has been the fact that the user was not adequately protected against contact with the "Zipper" teeth on the outer flap of the fly, with resultant discomfort, inconvenience and possibility of injury or infection caused by scratching against a rusted or corroded metal surface.

By my present invention the metallic seam elements are at all times concealed when the seam is closed and are at all times prevented from contact with the body of the wearer when the fly is open.

The improved type of "Zipper" fly construction illustrated herein adds but negligibly to the cost of manufacture.

The invention may be more fully understood from the following description in connection with the accompanying drawing wherein,

Fig. 1 is a perspective view of a pair of trousers equipped with my improved type of fly and showing the outer fly flap folded back to illustrate the manner in which the user is thoroughly protected against contact with the "Zippers".

Fig. 2 is an enlarged fragmentary perspective view showing the fly partially open,

Fig. 3 is a greatly enlarged transverse sectional view on the line 3—3 of Fig. 2.

Referring with more particularity to the drawing, 10 indicates a pair of trousers the fly opening of which extends from the waist band portion to the crotch region of the trousers and is formed by an inner flap 11 and an outer flap 12 which folds over the innerflap and which is preferably provided at its upper edge with a tab 13 having a button hole 14 therein for engagement with a button 15 on the waist band of the trousers.

Spaced inwardly from the edge of the under flap or inner flap 11 and secured to the inner flap by a line of stitching 16 is a flexible tooth carrying strip 17, the teeth 18 of this strip constituting part of a metallic seam. Spaced inwardly and secured on the inner face of the outer flap 12 is a similar tooth carrying strip 19 secured under the flap 12 by a line of stitching 20 the teeth 21 of this strip coacting with the teeth 18 of the opposite strip 17 to cooperatively define a metallic seam which may be opened or closed by a slide fastener 22.

Heretofore in the event that the outer flap 12 blew open the line of slide fastener was exposed. Heretofore also, there being no protection against the teeth 21 on the flap 12, the user was liable to scratch or injure himself on these teeth.

In accordance with the present invention a strip of material 23 has its ends secured as by lines of stitching 24 to the under flap 11. The free edge of this strip overlies and conceals the line of teeth 18 and the other edge of the strip may be secured by one or more lines of stitching 25, 26 to the outer face of the flap 11. The strip 23 may be of the same material of the trousers if desired or may be of any other suitable material. Also if desired the line of stitching 26 may aid in securing the tooth carrying strip 17 to the trousers.

A strip 27 corresponding to the strip 23 serves to cover the other line of "Zipper" teeth 21. The strip 27 is likewise secured at its ends as by lines of stitching 28 to the under face of the flap 12 and its free edge projects beyond the teeth 21 and thereby guards these teeth against contact with the person of the wearer when the fly is in the open position of Fig. 1.

When the metallic seam is closed it will be apparent from Fig. 2 that the free edge of the strip 23 completely conceals the connected sets of teeth 18 and 21, this strip being long enough to completely overlie the metallic seam. Thus if the outer flap 12 blows or folds open from the position of Fig. 3 the "Zipper" teeth will still

remain invisible. When the seam is closed it lies between the free edges of the two strips 23 and 27. The free edge of the strip 23 in no manner interferes with the convenient grasping of the slide fastener 22 for purposes of opening or closing the fly as clearly shown in Fig. 2 of the drawing.

It will thus be seen that there is herein described a device in which the several features of this invention are embodied, and which attain the various objects of the invention and are well suited to meet the requirements of practical use.

As many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description shall be interpreted as illustrative and not in a limiting sense.

I claim:

1. A fly construction comprising a pair of overlapping trouser sections defining a fly opening, a teeth carrying strip secured to the inner side of the outer fly section, and a second teeth carrying strip secured to the outer side of the inner fly section, said strips cooperating to define a metallic seam for closing said fly opening, a slide fastener for opening said seam, a concealing fabric strip secured to the inner side of the outer fly section, and overlapping said first mentioned teeth carrying strip, so that said latter strip is disposed between said concealing strip and said outer fly section, said concealing fabric strip having its free edge extending outwardly beyond the teeth of said first mentioned teeth carrying strip a substantial distance, to cover the teeth of both of said teeth carrying strips in closed position of the fly opening, and a second concealing fabric strip secured to the outer side of the inner fly section, and overlapping said second teeth carrying strip, so that said latter strip is disposed between said second concealing strip and said inner fly section, said second concealing fabric strip having its free edge extending outwardly beyond the teeth of said second teeth carrying strip a substantial distance to cover the teeth of both of said teeth carrying strips in closed position of the fly opening.

2. A garment construction comprising a pair of overlapping garment sections, defining an opening therebetween, a teeth carrying strip secured to the inner side of the outer garment section, and a second teeth carrying strip secured to the outer side of the inner garment section, said strips cooperating to define a metallic seam for closing said opening, a slide fastener for opening said seam, a concealing fabric strip secured to the inner side of the outer garment section, and overlapping said first mentioned teeth carrying strip, so that said latter strip is disposed between said concealing strip and said outer garment section, said concealing fabric strip having its free edge extending outwardly beyond the teeth of said first mentioned teeth carrying strip a substantial distance, to cover the teeth of both of said teeth carrying strips in closed position of said opening, and a second concealing fabric strip secured to the outer side of the inner garment section, and overlapping said second teeth carrying strip, so that said latter strip is disposed between said second concealing strip and said inner garment section, said second concealing fabric strip having its free edge extending outwardly beyond the teeth of said second teeth carrying strip a substantial distance to cover the teeth of both of said teeth carrying strips in closed position of said opening.

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