Sept. 21, 1937. C. R. YENGST 2,093,792

GARMENT

Filed July 10, 1934

Fig. 1.

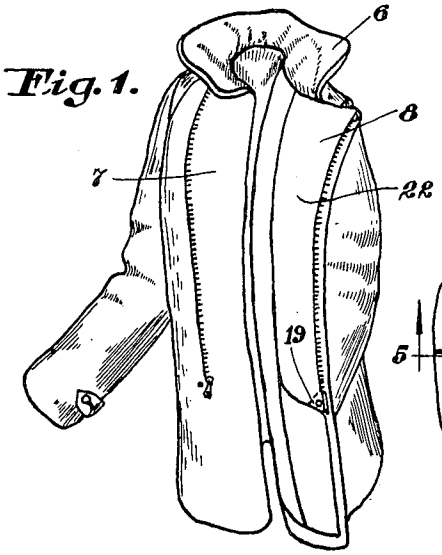
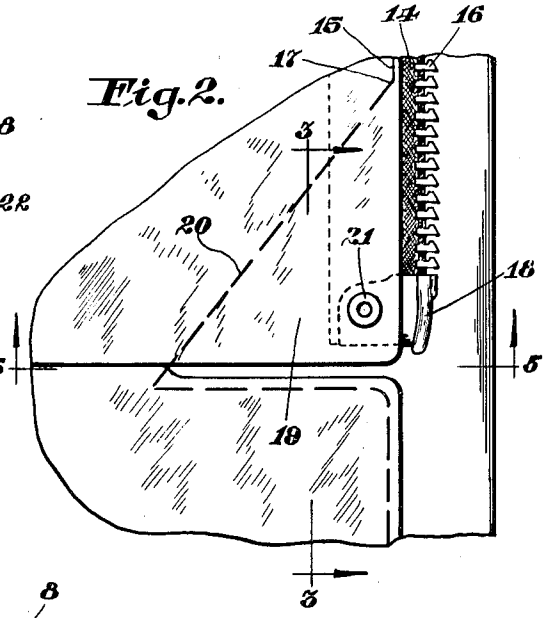


Fig. 2.



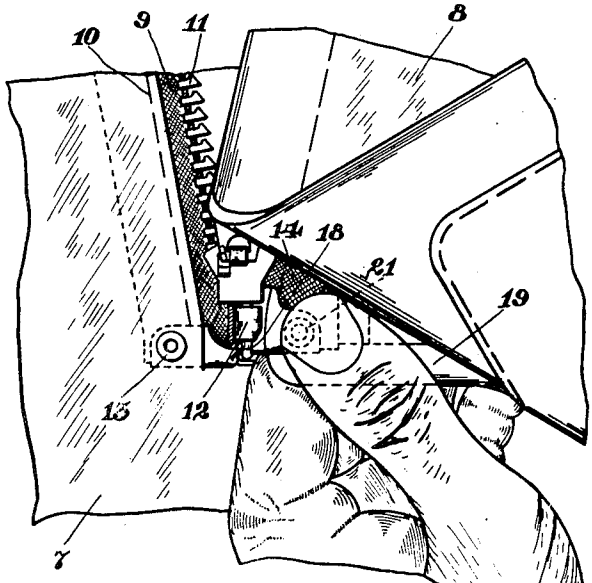


Fig. 4.

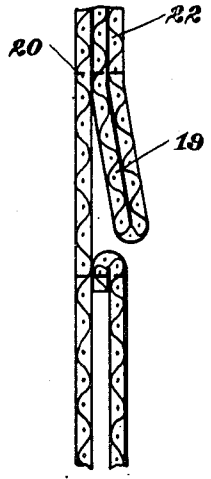
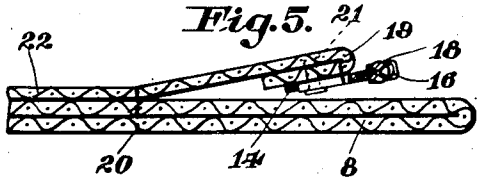


Fig. 3.

Fig. 5.



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UNITED STATES PATENT OFFICE

2,093,792

GARMENT

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Application July 10, 1934, Serial No. 734,440

5 Claims. (Cl. 2—96)

My invention relates to garments and more particularly to coats equipped with a slide fastener of the divisible end type.

The object of the invention is to provide an improved construction permitting easy and quick engagement of the parts of the separable end parts of slide fasteners in coat-like garments.

Slide fasteners are used extensively on jackets and other garments which extend down to about the waistline but have not been used to any great extent on longer coats, such as raincoats, long tailed mackinaws, hunting coats and overcoats. In these latter types, it is desirable to have a portion at the lower end unfastened to permit free action of the body. This requires a divisible end connection, if a slide fastener is to be used, and with the usual construction it is extremely difficult to engage the component parts of the separable end connection. I propose to fasten the side fastener securely to the garment but in such a way that the lower end of at least one of the stringer tapes can be flexed away from the garment so that the wearer can readily engage the parts of the separable end connection.

In the accompanying drawing, I have shown for purposes of illustration, one embodiment which my invention may assume in practice. In the drawing:

Fig. 1 is a front view of a coat equipped with a fastener in accordance with my invention;

Fig. 2 is a detail view looking at the inner side of the garment;

Fig. 3 is a vertical section on line 3—3 of Fig. 2;

Fig. 4 is a detail view showing the method of assembly of the component parts of the divisible end connection; and

Fig. 5 is a cross-section on line 5—5 of Fig. 2.

A coat of the conventional style is illustrated having a collar 6 and front body portions 7 and 8. The coat has a front opening extending the entire length of the garment, and the sides or front body portions 7 and 8 are adapted to be fastened together in overlapping relation to close the front opening of the coat. For that purpose, a slide fastener comprising stringers and complementary fastener elements, a slider and a divisible end connection are employed. On one side, preferably the side carrying the socket part of the divisible end connection, the stringer 9 is secured to the outer face of the garment by a line of stitching 10. This line of stitching extends parallel to and closely adjacent the fastener elements 11 for substantially the entire length of the stringer. The socket member 12 of the separable end connection is also secured by a fastening device 13. The attachment of the socket side of the fastener in the manner described follows more or less the usual construction.

The other stringer 14 of the slide fastener is placed against the inner face of the front body portion 8 and is secured by a line of stitching 15 extending from the top of the fastener parallel to and closely adjacent the fastener elements 16 down to a point indicated at 17 short of the end of the fastener. The point 17 is preferably one or two inches above the pin part 18 of the divisible end connection. Below that point the stringer 14 is attached to a flexible corner flap 19 which is secured to the inner face of the garment along a diagonal line 20 at one side of the fastener. The pin part 18 is firmly secured to the corner flap by any suitable means such as a rivet 21. The end of the stringer is thus left unattached from the outer material of the coat adjacent the bottom end so that the stringer end can flex freely away from the coat. The corner flap 19 may be a separate piece or in some instances, may form a part of the lining or inner facing 22 of the coat.

In using the device it will be clear that the lower end of the coat can be lifted upwardly away from the end fastener as indicated in Fig. 4, and the wearer can grasp the end of the tape which is freely flexible relative to the coat. He can thus guide the pin 18 into the socket 12 and operate the slider to fasten the garment together.

While I have shown and described in this application one embodiment which my invention may assume in practice, it will be understood that this embodiment is merely for the purpose of illustration and description and that various other forms may be devised within the scope of my invention as defined in the appended claims.

What I claim as my invention is:

1. In a garment of the class described, a body portion having a full length opening, a sliding fastener of the divisible end type for closing the opening, comprising stringers attached to the garment along the sides of said opening and carrying component parts of a divisible end connection, at least one of the stringers adjacent its component part being set inwardly from the garment edge and only indirectly attached to the garment on its side of the opening at a substantial distance from the edge of the material bordering the opening so that it can flex freely relative to the garment to facilitate engagement of said component parts.

2. A coat-like garment having a full length opening and body portions adapted to overlap,

a slide fastener for holding the body portions together comprising one stringer attached to the front face of one body portion and another stringer attached to the inner face of the opposite body portion, said second stringer being attached throughout its length closely adjacent the fastener elements directly to the garment except adjacent the bottom end, a flap secured to the inner face of the garment adjacent said bottom end at a point to one side of the stringer, said bottom end of the stringer being secured to said flap whereby it will flex relative to the garment.

3. A coat-like garment having a full length front opening with front body portions on opposite sides of the opening, a slide fastener for closing the opening comprising stringers attached to said body portions and carrying component parts of a divisible end connection at their bottom ends, said body portions extending below the bottom ends of the stringer, the attaching means for one stringer comprising a line of stitching extending through the stringer and body portion closely adjacent said fastener elements to a point above the divisible end connection, a flap secured to the inner face of said body portion at one side of the stringer end, said flap having sufficient width to permit its being grasped by the thumb and finger, the stringer end being secured to said flap whereby it can be flexed away from the material of the garment.

4. A coat-like garment extending below the waistline and having a full length front opening, a slide fastener having stringers on the opposite sides of said opening for fastening the coat together, said fastener extending from the neck down to about the wastline so that it terminates above the bottom of the garment, said stringers carrying component parts of a divisible end connection at their bottom ends, one of the stringers being positioned on the inner face of the garment material and spaced from the edge of the opening so that it is concealed by the garment material, and means for securing said stringer in said position closely adjacent the fastener elements throughout the upper portion of the stringer, a flap positioned adjacent the lower end of the stringer and secured to the garment material wholly to one side of said stringer, said flap having sufficient width to permit its being grasped by the thumb and finger, and said stringer being secured to the free edge of said flap.

5. A coat-like garment extending below the waistline and having a full length front opening, a slide fastener having stringers on the opposite sides of said opening for fastening the coat together, said fastener extending from the neck down to about the waistline so that it terminates above the bottom of the garment, one of said stringers carrying a socket member and the other carrying a pin member of a divisible end connection, the stringer carrying the pin member being positioned on the inner face of the garment material and set back from the garment edge, and attached securely thereto, the attaching means throughout the major portion of the stringer being located closely adjacent the fastener elements but at the lower end being spaced to one side of the fastener stringer to provide a fairly flexible portion at the stringer end wide enough to permit its being grasped by the thumb and finger so that the lower end of the coat may be lifted to expose said pin member.

CHARLES R. YENGST.