July 13, 1937. R. G. ROBERTS ET AL 2,087,045

FASTENING FOR SLIT OPENINGS IN GARMENTS

Filed July 15, 1935

FIG. 1.

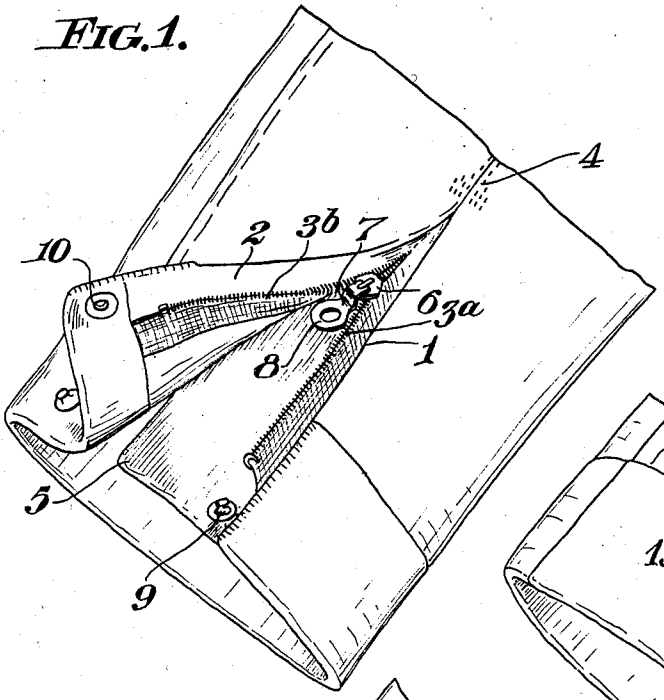


FIG. 3.

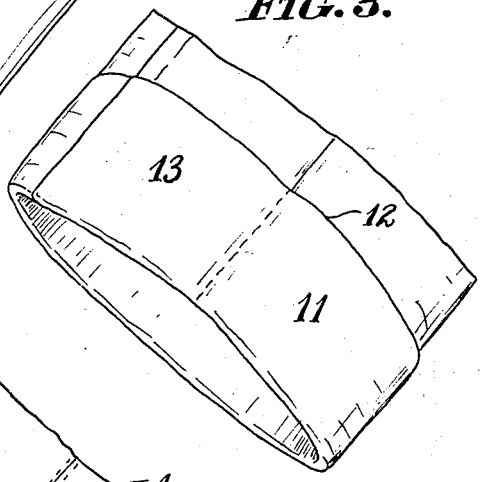
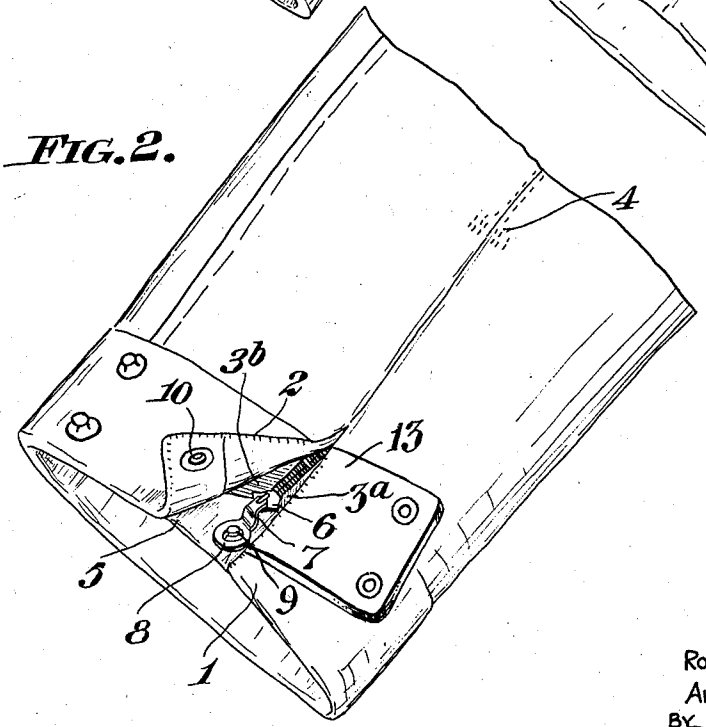


FIG. 2.



INVENTORS
ROBERT GOODMAN ROBERTS
ALEXANDER JAMES ROGERS
BY
ATTORNEY.

Patented July 13, 1937

2,087,045

UNITED STATES PATENT OFFICE

2,087,045

FASTENING FOR SLIT OPENINGS IN GARMENTS

Robert Goodman Roberts and Alexander James Rogers, London, England

Application July 15, 1935, Serial No. 31,465
In Great Britain July 20, 1934

3 Claims. (Cl. 2—228)

This invention comprises an improved fastening device for slit openings particularly in garments.

An object of the invention is to provide a fastening employing a sliding clasp fastener fitted to the opening so that the two edges are held down flat in the closed position with the free ends firmly secured. A further object is to provide a fastening for garments in which the edges of the opening do not crinkle whilst a still further object is to provide a fastening device for slit openings in which the fastener is hidden from view in the closed position, the edges being held closely together and having the appearance of a seam.

Other objects of the invention will be apparent from the following description which has reference to the accompanying sheet of drawings, which illustrate one practical and preferable application of the invention to the legs of riding breeches or jodphurs.

In the drawing Fig. 1 is a perspective view of the lower part of one of the legs showing the fastening open and one side folded back. Figure 2 is a similar view immediately prior to the final fastening operation and Figure 3 is a similar view of the fastening completely closed.

In Figures 2 and 3 an additional arrangement comprising a flap portion 13 on the bottom of the leg portion and later described in detail, is illustrated.

In the drawing 1 is the one side of the slit, and 2 the other side, and secured to the side 1 by its textile edge, is the one half of the fastener 3a. The other half 3b is secured to the underneath of the side 2 so that the edge of the side 2 is adjacent the edge of the side 1 in the closed position and overlaps the fastener appearing to be a continuation of the leg seam 4. Secured to the side 1 and beneath the fastener is a protective backing or tongue 5 said backing preventing the fastener from touching the skin or undergarments of the wearer, and also serving as a means for holding one part of the open end fastening device as later described.

The sliding clasp 6 carries a finger piece 7, which is preferably stepped as illustrated and has an aperture 8 therein. Secured to the backing at the end thereof and substantially on the centre line of the sliding clasp fastener is the one half of a press stud. For ease of fastening this is the half carrying the projecting pillar 9 the other recessed half 10 being carried at the end of the overlap side 2.

The wearer's leg is inserted with the sliding clasp open as in Figure 1, and when the garment is correctly in position the sliding clasp is drawn towards the open end to close the opening. The finger piece 7 is then pressed down so that the pillar 9 passes through the aperture 8 and the overlap side is then pressed downwardly so that the pip engages its female portion 10. Thus the free ends of the sides and the sliding clasp are kept in position. The pillar will be of such a length to pass through the aperture 8 and also into the recessed half 10.

To undo the fastener, the edge of the overlap side adjacent the open end is pulled to release the press stud and the opening may be revealed either by pulling outwardly the sides of the slit or pulling the sliding clasp 6. When the opening is closed, the slit is substantially invisible appearing as if the seam extends to the edge of the cloth.

The fastener is applicable to all slit closures having one open end, such as fly and certain pocket openings, leggings, cushion covers and the like.

It is not intended to limit the invention to the precise method of fitting the fastener. For example, in the case of openings for flys in which one side overlaps the other side, said other side has the one half of the fastener on the top of the side.

In the additional arrangement previously referred to and illustrated in Figures 2 and 3 of the drawing the double thickness or permanent turn up portion 11 extends from the seam 12 to the edge of the portion 1 to which it is stitched, and has a projecting or flap portion 13, which when the fastener is closed is secured to the overlap portion of the opening by press studs or like means.

This arrangement ensures that the turn up has the appearance of a continuous strip and also covers the free ends of the opening thereby providing a double safeguard to ensure that the edges are held down and that there is no possibility of the end of the opening bulging or crinkling. The overlap also prevents accidental opening of the slit.

We claim:—

1. A slit opening closure device, comprising a sliding clasp fastener one toothed half secured to one side of the opening and extending thereto beyond, a protective backing behind said half of the fastener said backing extending across the slit from this side, the other toothed half of the fastener secured on the other side of the slit opening a short distance from the edge thereof the

halves terminating short of the free end of the slit, an interlocking two part fastening device, one element secured on the underside of the latter mentioned side of the opening adjacent the edge thereof, the interengaging element secured on the backing adjacent the edge thereof and a sliding clasp for the fastener having a finger piece which is retained and held between the two parts of the interlocking fastening device, which also retains and holds the free ends of the slit in closed relation with the slit edges adjacent and locks the sliding clasp fastener in the closed position.

2. A slit opening closure device comprising a sliding clasp fastener, one toothed half secured to one side of the opening and extending therebeyond, a protective backing behind said half of the fastener said backing extending across the slit from this side, the other toothed half of the fastener secured on the other side of the slit opening a short distance from the edge thereof the halves terminating short of the free end of the slit, the female element of a press stud fastening device secured on the underside of the latter mentioned side of the opening, the interengaging male element thereof secured on the backing, and a sliding clasp for the fastener, the finger piece thereof having an aperture co-operating with the press stud fastening device, and slipping over the male element before closure thereof, said press stud fastener holding the free ends of the slit and also the sliding clasp fastener in position when the closure is closed with the slit edges adjacent.

3. A slit opening closure device, for the slit opening at the bottom of the legs of riding breeches, comprising a sliding clasp fastener, one toothed half secured to one side of the opening and extending therebeyond, a protective backing behind said half of the fastener said backing extending across the slit from this side, the other toothed half of the fastener secured on the other side of the slit opening a short distance from the edge thereof the halves terminating short of the free end of the slit, an interlocking two part fastening device, one element secured on the underside of the latter mentioned side of the opening adjacent the edge thereof, the interengaging element secured on the backing adjacent the edge thereof and a sliding clasp for the fastener having a finger piece which is retained and held between the two parts of the interlocking fastening device, which also retains and holds the free ends of the slit in closed relation with the slit edges adjacent and locks the sliding clasp fastener in the closed position, a turned up bottom portion of the leg said portion including a flap portion stitched to the one free edge, and adapted in the closed position to extend across the lower portion of the adjacent edges of the slit and be held in position by fastening means, said flap portion in such position having the appearance of a continuous turn up.

ROBERT GOODMAN ROBERTS.
ALEXANDER JAMES ROGERS.