Nov. 21, 1939. J. H. KOHLER 2,180,928

SLIDING CLASP FASTENER

Filed Feb. 9, 1938

FIG. 1.

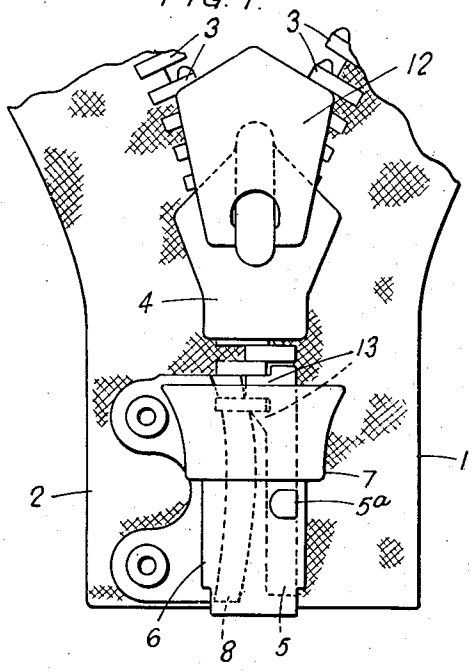


FIG. 2.

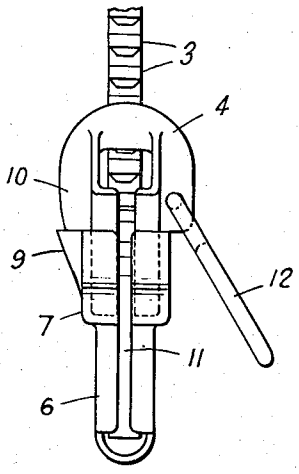


FIG. 3.

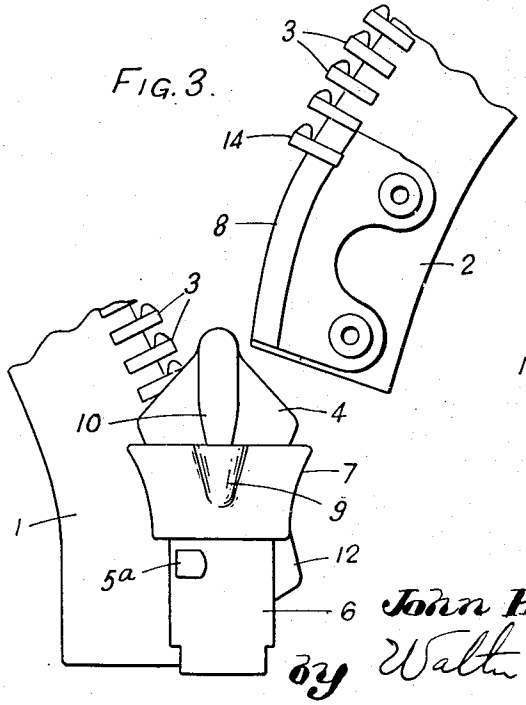
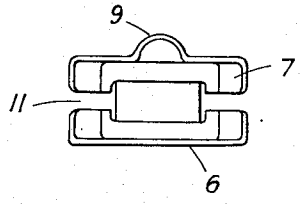


FIG. 4.



Inventor:
John Henry Kohler
by Walter S. Jones
Atty.

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2,180,928

SLIDING CLASP FASTENER

John Henry Kohler, Nottingham, England, assignor to Carr Fastener Company Limited, Stapleford, England

Application February 9, 1938, Serial No. 189,621
In Great Britain February 19, 1937

1 Claim. (Cl. 24—205)

This invention relates to sliding clasp fasteners and more particularly to such fasteners having separable ends.

It is the object of this invention to provide improved means whereby the separable ends may be readily assembled together in correct relative position.

According to the present invention the separable end of one of the stringers is provided with a cage or box constructed and arranged in such a manner that the slider may be entered and held therein in correct position for the reception of the separable end of the other stringer when the two stringers are to be assembled together. Parts of the cage or box or parts carried thereby may be adapted to engage with cooperating parts on the slider to assist in correctly locating the slider in the cage.

To enable the invention to be fully understood it will now be described with reference to the accompanying drawing in which:

Fig. 1 is a front view of the two separable stringers in assembled relation;

Fig. 2 is a side view of one of the stringers showing the slider entered in the box or cage.

Fig. 3 is a rear view showing the two stringers just before being assembled together, and

Fig. 4 is a plan view of the box or cage.

In the accompanying drawing the sliding clasp fastener consists of stringers 1 and 2 having the usual fastener elements 3 and a slider 4. The stringer 1 has a rigid terminal portion 5 to which is secured a box or cage 6 by tongues 5a integral with the portion 5. The open end of the box has a belled mouth and the upper part 7 is shaped to receive the lower half of the slider 4 and provide an easy but fairly close fit for it.

The end of the stringer 2 is provided with a rigid terminal portion 8 curved in its length and preferably of square cross section.

One face of the box 6 is formed with a groove or channel 9 adjacent to its mouth and adapted to receive a rib 10 on the slider for locating the slider in correct position for the assembly of the two stringers.

When the two stringers are to be assembled together the slider is moved to nest in the box 6 with the rib 10 entering the groove 9. The terminal 8 of the stringer is then inserted through the slider and box until it engages the bottom of the box, the tape passing through the slot 11 in the side of the box. In this position the stringers are in correct relative position for the interengagement of the respective fastener elements when the slider is operated by the pull tab 12. When the ends of the stringers are to be separated the slider is moved to nest in the box in which position the fastener elements are disengaged.

The terminal portions 5 and 8 may be provided with one or more inter-engageable fastener elements such as 13, 14 (Figs. 1 and 3) to assist in holding the parts against accidental separation when the slider has been moved to engage the fastener elements 3.

While I have shown a channel 9 as a part of the box 6 to cooperate with the rib 10 (Figs. 2 and 3) of the slider, any other suitable inter-engaging means may be provided for the same purpose.

I claim:

A sliding clasp fastener having a pair of stringers with inter-engaging fasteners carried thereby, a slider for engaging and disengaging the fasteners, a box-like member positioned on one of said stringers, a terminal member on the other stringer engageable with the box-like portion through said slider and a channel in one face of said box-like member, a rib on the slider engageable with said channel to position the parts relative to each other prior to engagement of the terminal member in said box-like member and a fastener element within the box-like member cooperating with a fastener on the terminal member when said terminal member is fully engaged in said box-like member.

JOHN HENRY KOHLER.