

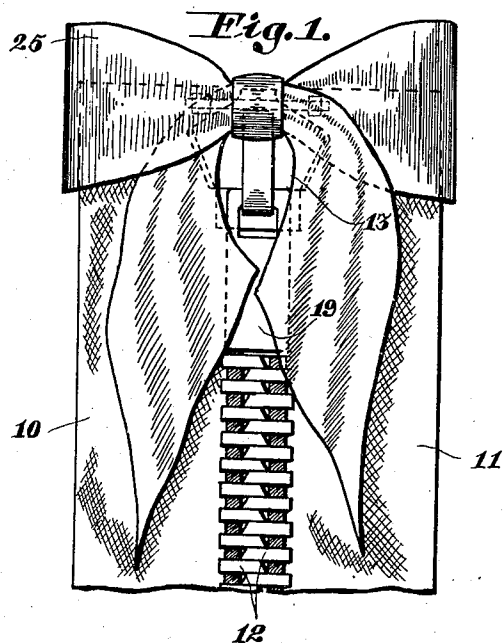
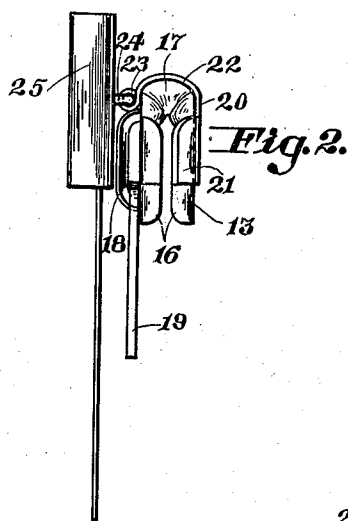
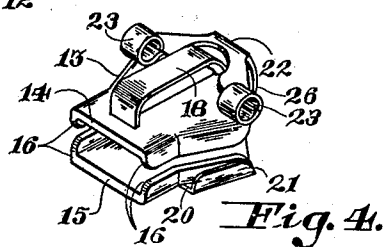
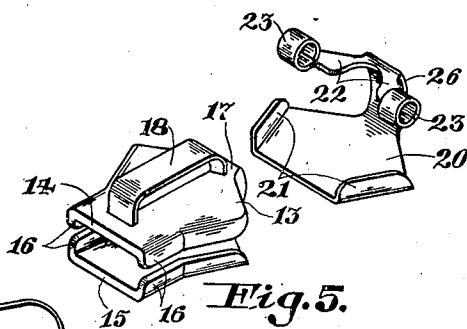
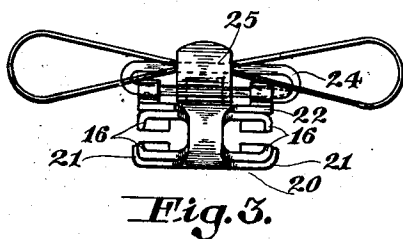
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SLIDE FASTENER

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UNITED STATES PATENT OFFICE

2,177,344

SLIDE FASTENER

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6 Claims. (Cl. 41—34)

My invention relates to slide fasteners (commonly known as "zippers") and more particularly to an attachment for the slider of such fasteners to support an ornamental or decorative device on the slider.

There have been various demands for ornamentation and decoration of the sliders of slide fasteners especially for fasteners used in the clothing and ladies' handbag industries. Due to the necessity for standardization in the slide fastener factory, it is almost impossible to provide as an integral part of the fastener itself, all of the various ornaments and decorative effects which are desired by the customers.

It is accordingly an object of my invention to provide an attachment which can be cheaply manufactured and easily applied to a standard form of slider as manufactured in the slide fastener factory. In addition to the requirement of low cost of manufacture and easy application to the slider, the attachment must be sufficiently secure and stable on the slider so that it can support an ornamental decorative piece in a secure manner so that it does not appear to dangle loosely from the slider.

My invention solves this problem in the provision of a thin sheet metal clip which is shaped to fit over the neck end of the slider. The clip preferably snaps into position and has portions engaging over the side flanges of the slider and other portions extending around the neck and over the top of the slider. In some instances the clip may itself be shaped to provide the desired ornamental effect but ordinarily it will have merely eyes or other devices by which a ribbon or other decorative piece may be attached.

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

Fig. 1 is a plan view of a slide fastener embodying my invention;

Fig. 2 is a side view of the slider embodying my invention;

Fig. 3 is a top view of Fig. 2;

Fig. 4 is a perspective view of a slider showing my improved ornamental carrying clip detached from the slider body; and

Fig. 5 is a perspective view of a slider showing the clip being attached to the slider body.

The fastener illustrated is of a conventional type comprising stringers 10, 11 having interlocking fastener elements 12 on their adjacent longitudinal edges and a slider 13 for engaging and disengaging the same. The slider may be

of any known form, and comprises upper and lower wing portions 14 and 15, respectively, having inturned flanges 16 at their outer edges. The wings are connected together by a narrow neck portion 17 and the upper wing has a lug portion 18 for the attachment of a pull or slider actuating member 19 thereto.

A spring clip or clasp member made from a single piece of sheet material is adapted to be attached to the slider body. I contemplate that the clip will in most instances, be made from thin sheet metal but it may also be made from colored plastic material, for example, celluloid or rubber, molded or otherwise formed to shape. This clip has a lower trapezoidal-shaped main wing portion 20, which conforms to the wider part of the lower wing portion of the slider, and has inwardly extending flanges 21 on its outer edges to fit over the flanges 16 of the lower slider wing. It has an upper portion 22 which extends around the lug 18 on the outside surface of the upper wing of the slider. This top portion carries a pair of loop projections or eyes 23, which are adapted to receive a pin 24 for supporting an ornamental or decorative piece such as the tie or ribbon 25. The upper and lower portions of the clip are connected together by the neck portion 26, which is substantially the same width as the neck portion of the slider.

This clip has the necessary resiliency to snap it in place on the slider body and to hold it thereon. It will be seen that this clip can be easily and quickly snapped in place onto the slider body and likewise be detached whenever it is desired to do so. In placing the clip on the slider the flanged lower part is first engaged over the bottom part of the slider and the top part is pushed forwardly until it snaps into position. The curved surfaces on the loops will tend to ride over the edge of the top wing and spring the clip in the neck portion sufficiently to enable it to come into place. After it is in position it cannot be displaced except by a deliberate reversal of the operation by which it is attached. In opening and closing the fastener the user may, in some cases, take hold of the ornamental attachment, but preferably the conventional pull piece 19 is used for moving the slider.

This clip may be manufactured and sold separately from the fastener for it is so constructed that it may be easily applied by the manufacturer of garments or even the ultimate user of articles which have slide fasteners. Also it will be seen that the tie or ribbon on the pin can be easily changed without removing the clip from

the slider, and if desired, a long tie, such as a cravat, could be attached to completely cover the fastener elements as well as the slider.

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 purposes of illustration and description, and that various other forms may be devised within the scope of my invention, as set forth in the appended claims.

What I claim as my invention is:

1. In combination with a slider for slide fasteners of the class described, a clip having means for gripping the slider body to hold it in place, and an ornamental member carried by said clip adapted to cover a substantial portion of the slider body.

2. A clip for attachment to sliders of slide fasteners of the class described having a wing portion with side flanges adapted to embrace the back side of said slider, and a top portion spaced from the back wing portion which may extend over the front of the slider, and a relatively narrow connecting neck shaped to fit around the neck of the slider, said top portion having projections to which ornamental means may be attached.

3. In combination with a slider for slider fasteners, a one piece spring clip adapted to be snapped in place on the slider, said clip having a wing portion engaging the back of the slider, a bent neck of spring material extending around

the bent neck of the slider, and a front portion which engages over the top surface of the slider, and projections carried by said front portion to provide means for attaching an ornament thereto.

4. A one-piece spring clip for sliders of slide fasteners comprising a sheet metal member having a trapezoidal-shaped part engageable with the back surface of the slider and having inclined side flanges engageable with the inclined sides of the slider, a bent neck extending from said trapezoidal part and shaped to fit around the neck of the slider, and a top portion projecting from the neck overlying the top of the slider, and eyes carried by said top projecting portion to which an ornamental member may be secured.

5. A clip for quick attachment to and detachment from a slider for slide fasteners, said clip being made of a single piece of thin sheet material having a flat back with flanges at the sides, the flanges being spaced apart sufficiently to grip over the sides of the slider, and a front portion extending in parallel relation to the back portion, and spaced therefrom a sufficient distance to receive the body of a slider between them, and a bent spring neck connecting the upper part and lower part which is adapted to extend around the neck of a slider.

6. A spring clip having the construction defined in the preceding claim, and lugs on said front portion for holding an ornamental piece.

MAX LANGE.