

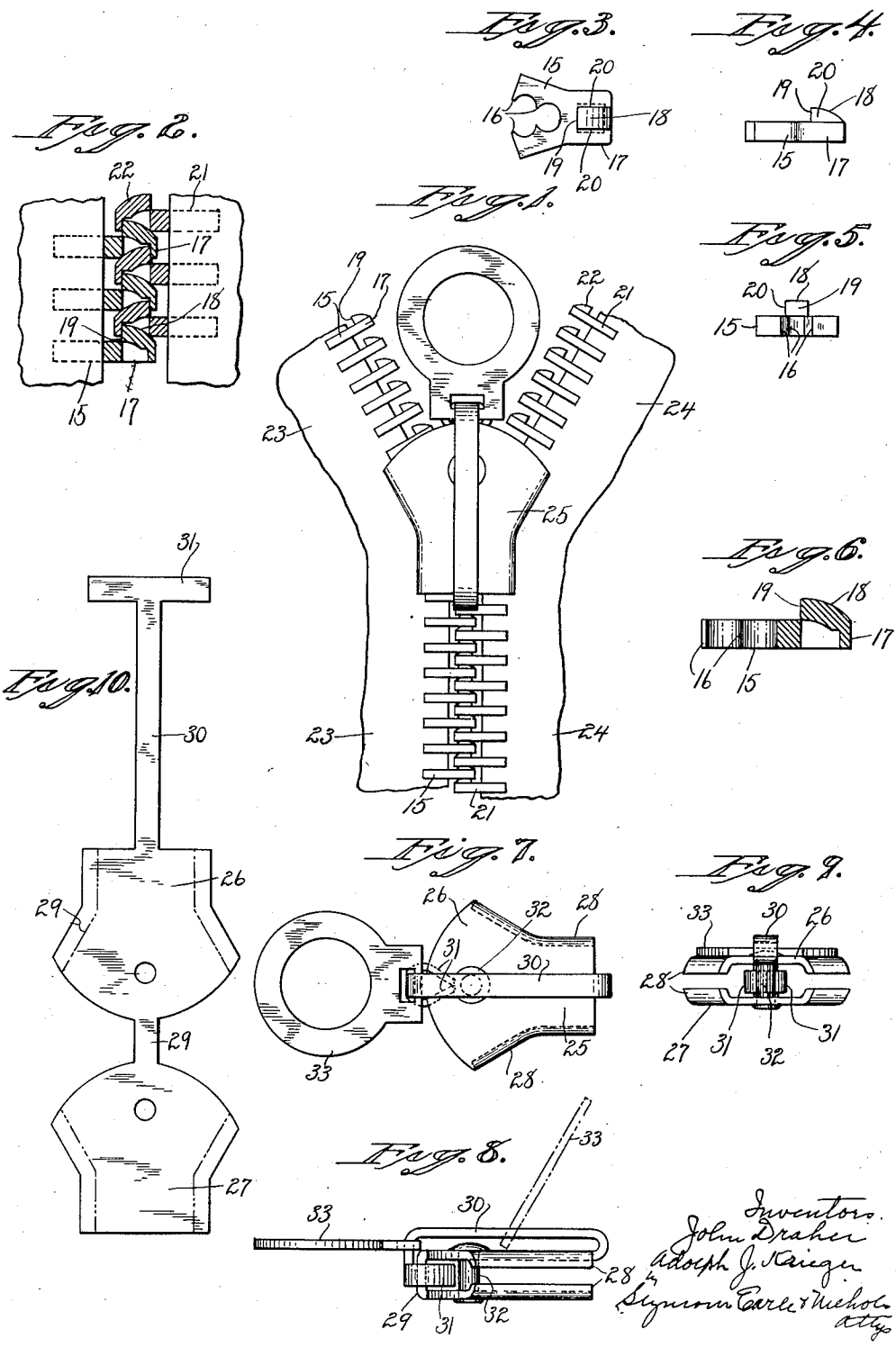
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SEPARABLE FASTENER

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UNITED STATES PATENT OFFICE.

JOHN DRAHER AND ADOLPH J. KRIEGER, OF WATERBURY, CONNECTICUT, ASSIGNORS
TO THE STERLING NOVELTY MFG. CO., OF WATERBURY, CONNECTICUT, A CORPORATION.

SEPARABLE FASTENER.

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This invention relates to an improvement in separable fasteners, and particularly to that type which consists of complementary, interlocking members respectively secured to the edges of parts to be connected together with a slide having diverging channels through which the edges of the strips of interlocking members pass and by which they are moved into and out of interlocking engagement. One object of the invention is to form the members so that they will remain locked when brought together, and another object of the invention is to so construct the slide with an integral guide for the finger-piece, which may be moved from end to end, and the invention consists in the construction as will be hereinafter described and particularly recited in the claims.

In the accompanying drawings:

Fig. 1 is a plan view illustrating our improved separable fasteners;

Fig. 2 is a plan view, partly in section, of the members interlocked;

Fig. 3 is a plan view of one of the interlocking members detached;

Fig. 4 is a side view of the same;

Fig. 5 is an end view of the same;

Fig. 6 is a longitudinal sectional view of the same on an enlarged scale;

Fig. 7 is a plan view of the slide detached;

Fig. 8 is an edge view of the same;

Fig. 9 is an end view thereof; and

Fig. 10 is a plan view of the blank from which the slide is formed.

In carrying out our invention, we employ locking-members 15 struck up from sheet-metal and preferably provided with gripping-teeth 16 for engagement with flexible stringers 24 and with an extension 17 having a finger 18 struck upward therefrom forming a corresponding socket 34. This finger has a straight inner edge 19 and straight sides 20, and the inner end of the finger is deflected so that its inner surface is in line with the outer surface of the extension 17. The complementary members 21 are formed in duplicates of the members described, so that the fingers 22 of the members 21 engage with the members 15, and the fingers 18 of the members 15 engage with the members 21, and as the openings formed by the fingers of one member have parallel sides corresponding to the parallel sides of the adjacent

members and as the fingers of both members have straight edges, a positive engagement between the two members is secured. These members are attached to the edges of the flexible stringers 23 and 24 in the usual manner. The slide 25 is struck up from sheet-metal and consists of two face-plates 26 and 27 formed with angular edges 28 and connected together by a neck 29 which, when the plates are folded together, will form a spacing-bar between them. The member 26 is formed at its lower end with an integral strap 30 having a T-end 31 which, when the strap is turned upward over the outer surface of the plate 26, will permit the ends of the T 31 to be folded around the neck 29, but before this is done, the two plates are connected together by a rivet 32. The in-turned ends of the T 31 complete the guideways through the slide. It will be understood that the flanges of the plates extend over the inner ends of the locking-members in the usual way. Sliding on the strap 30 is a finger-piece 33 which is free to move from one end to the other. The slide, therefore, consists of only three pieces. The function and operation of the parts is too well known to require further description.

With this construction, the parts can be produced at very low cost for manufacture; the slide moves freely over the interlocking-members, and those members, when interlocked, are firmly held together, and are not liable to be disengaged by the distortion of the article to which the fasteners are applied.

We claim:

A separable fastener, comprising interlocking members attached to the edges of parts to be connected, a slide comprising two plates connected together at their upper edges by a neck, said plates formed with side-flanges, one of said plates formed with an integral strap having a T-end, the said strap turned upward over the face of the said plate, and the ends of the T folded around the said neck, and a finger-piece coupled with said strap and adapted to move from end to end thereof.

In testimony whereof, we have signed this specification.

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