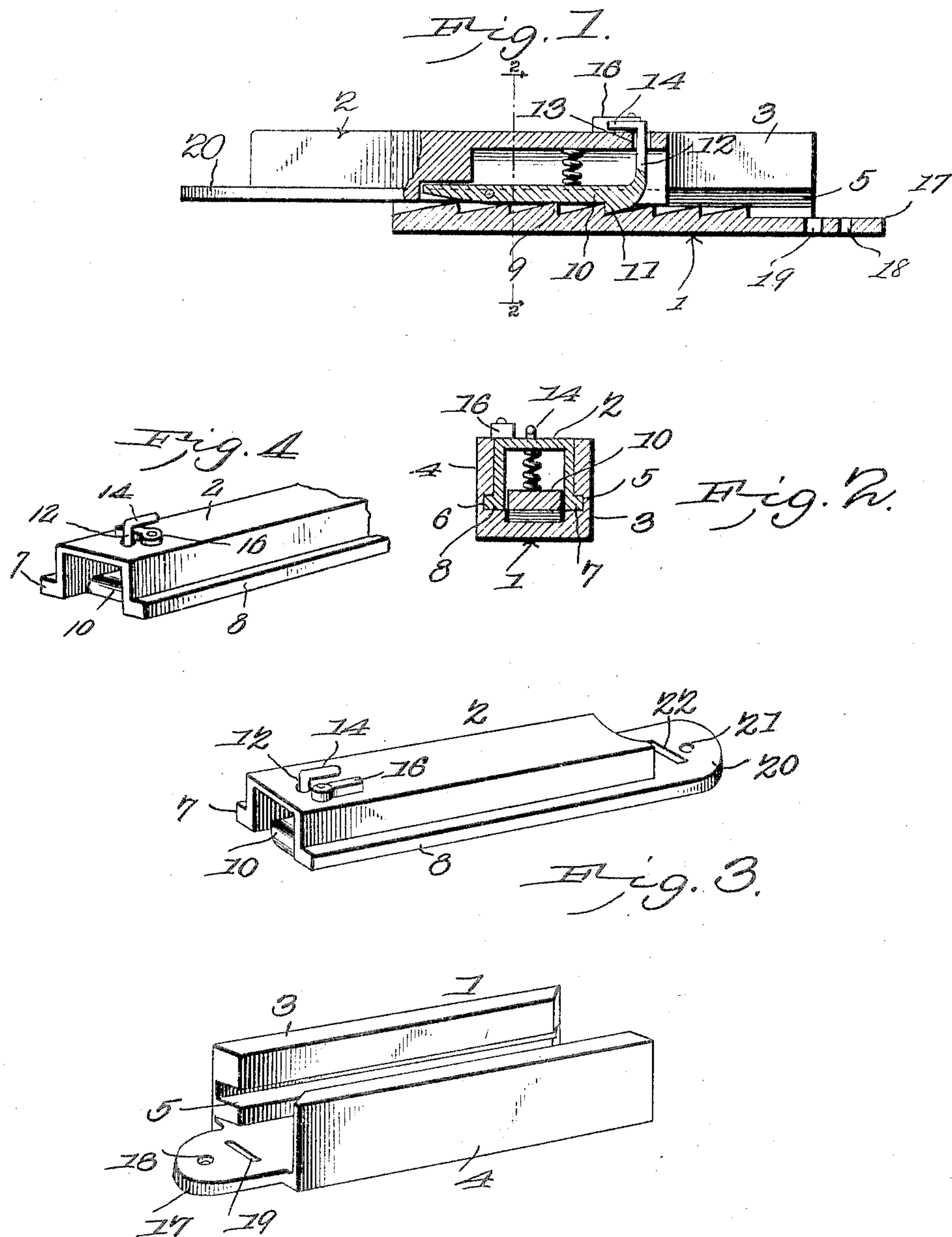


No. 794,098.

PATENTED JULY 4, 1905.

S. HAINSFURTHER.  
SEPARABLE FASTENER.  
APPLICATION FILED MAY 20, 1904.



Witnesses  
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# UNITED STATES PATENT OFFICE.

SOLOMON HAINSFURTHER, OF WINCHESTER, ILLINOIS.

## SEPARABLE FASTENER.

SPECIFICATION forming part of Letters Patent No. 794,098, dated July 4, 1905.

Application filed May 20, 1904. Serial No. 208,918.

*To all whom it may concern:*

Be it known that I, SOLOMON HAINSFURTHER, a citizen of the United States, residing at Winchester in the county of Scott and State of Illinois, have invented a new and useful Separable Fastener, of which the following is a specification.

This invention relates to separable fasteners.

The objects of the invention are to improve, strengthen, and simplify the construction of such devices and to increase their efficiency in use.

With these objects in view the invention resides in the particular combination and arrangement of parts and in the precise details of construction hereinafter described, with reference to the accompanying drawings, forming part of this specification, wherein—

Figure 1 is a longitudinal section. Fig. 2 is a transverse section taken on the line 2 2 in Fig. 1. Fig. 3 is a perspective view of the two members separated. Fig. 4 is a perspective detail view showing the tugger of the spring-catch drawn out and engaged by the latch member 16.

The improved fastening device comprises two coöperating members 1 and 2. The member 1 is formed with two parallel side flanges 3 and 4, each of which is provided with an internal guide-groove, as shown at 5 and 6. The member 2 is formed with side ribs or guides 7 and 8, which fit into the guide-grooves 5 and 6, thus adapting the member 2 to be slid longitudinally upon the member 1 between the side flanges 3 and 4 thereof. Between the side flanges 3 and 4 the member 1 is formed with a plurality of notches or ratchet-teeth 9. Upon the lower surface of the member 2 is pivoted a spring-catch 10, having a hooked portion or catch 11 to engage the ratchet-teeth 9 of the member 1. Connected with the spring-catch 10 is a tugger 12, which projects upward through a slot 13 in the member 2 and is bent at its upper end, as shown at 14, to provide means for engaging said tugger with the finger-nail of the index-finger to draw the spring-catch 10 away from the ratchet-teeth 9 and permit the mem-

ber 2 to be withdrawn from the member 1 in unfastening the buckle. The bent end of the tugger 12 is adapted to be engaged by a pivot-latch 16 on the upper surface of the member 2 to hold the spring 10 away from the ratchet-teeth 9 in unfastening the buckle. As soon as the latch 16 is disengaged from the tugger 12 the spring-catch 10 will engage the ratchet-teeth 9.

Formed on one end of the member 1 is an ear or lug 17, having therein a perforation 18 and a slot 19. A similar lug 20, having therein a perforation 21 and a slot 22, is formed on the opposite end of the member 2. The lugs 17 and 20 provide means for attaching the two parts of the fastening device to the article upon which they are intended to be used. In sewing the fastening device to a garment it may be found convenient to pass the threads through both the slot and the perforation, and in riveting the fastening device to a shoe or the like it may be found desirable merely to pass the rivet through the perforation.

In the form of invention illustrated and described the member 1, with its side flanges, ratchet-teeth, and attaching ear or lug, may be cast in one piece of any suitable metal. The member 2 likewise may be cast in a single piece, if desired.

The device of the invention is strong, durable, simple, ornamental, and inexpensive in construction, as well as thoroughly practical and satisfactory in operation. In its particular combination and arrangement of parts and in the precise details of construction it presents an improvement over prior devices of a similar character.

Minor changes in construction may be made within the scope of the following claim without departing from the spirit of the invention.

I claim—

A separable fastener comprising two slidably-connected members, one of said members being provided with notches or ratchets and with grooved side flanges for the reception of the other member; said latter member

being provided with a pivoted spring-catch  
having a tugger extending through a perfor-  
ation in said member, and a pivoted latch  
member adapted to engage the tugger to sus-  
5 tain said tugger when withdrawn against the  
tension of the spring.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in  
the presence of two witnesses.

SOLOMON HAINSFURTHER.

Witnesses:

ELMAR A. RANKIN,

JOHN F. LEIB.