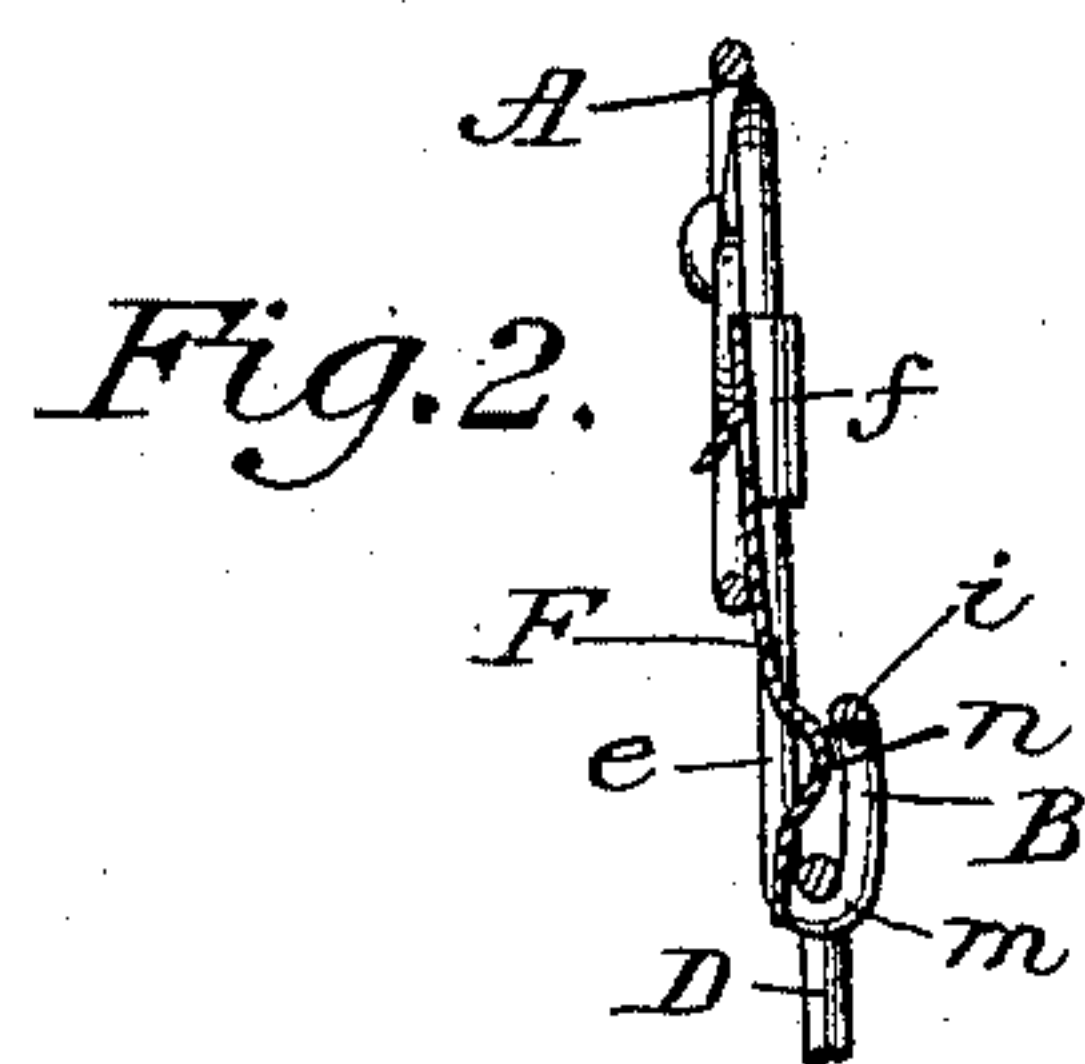
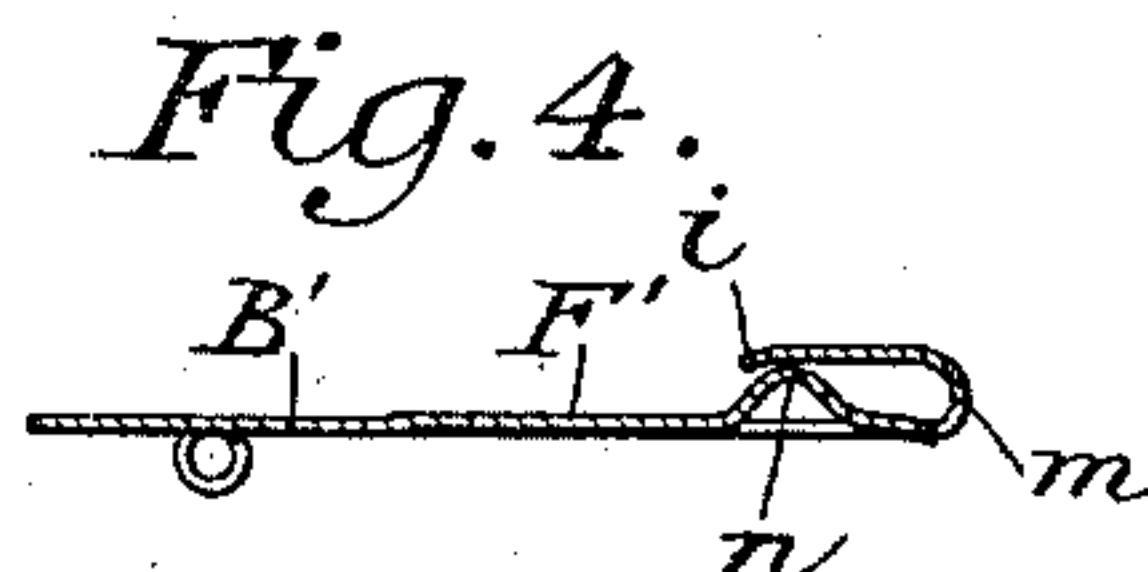
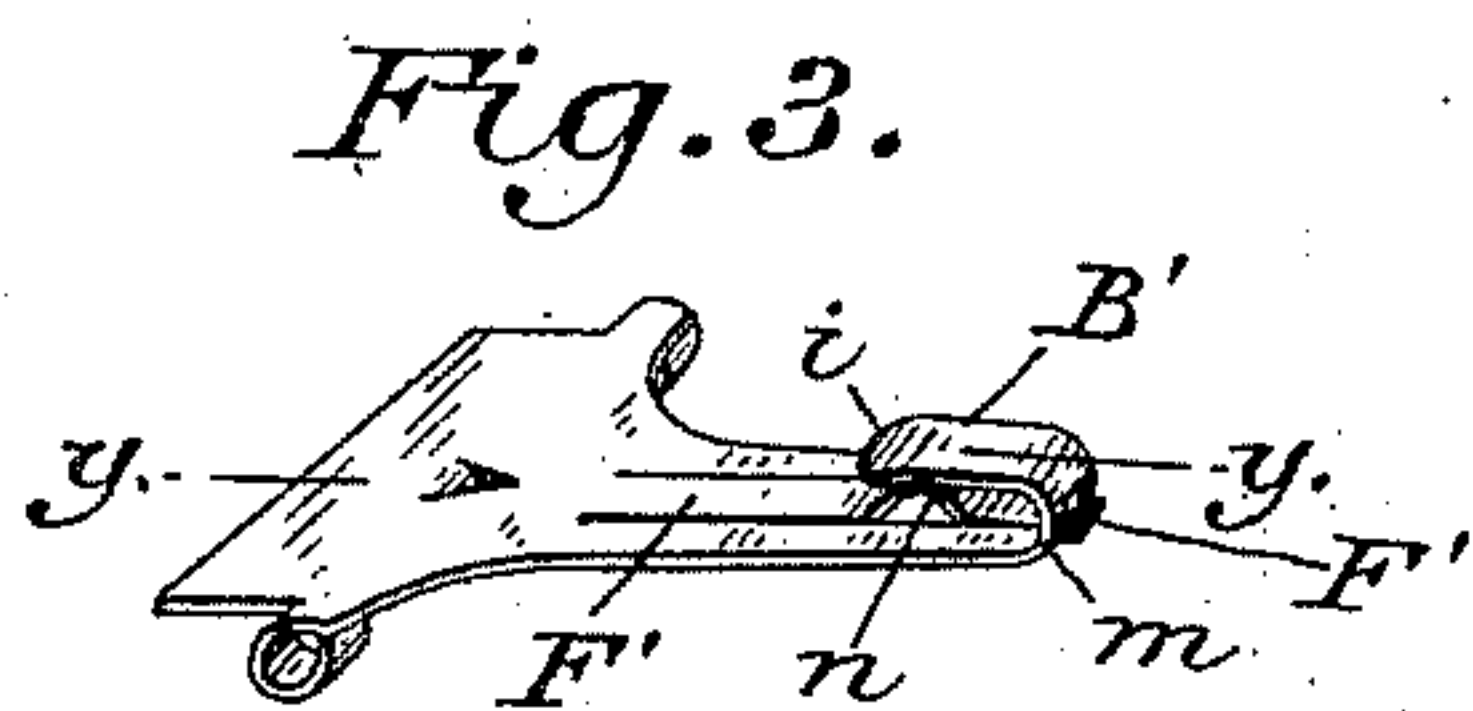
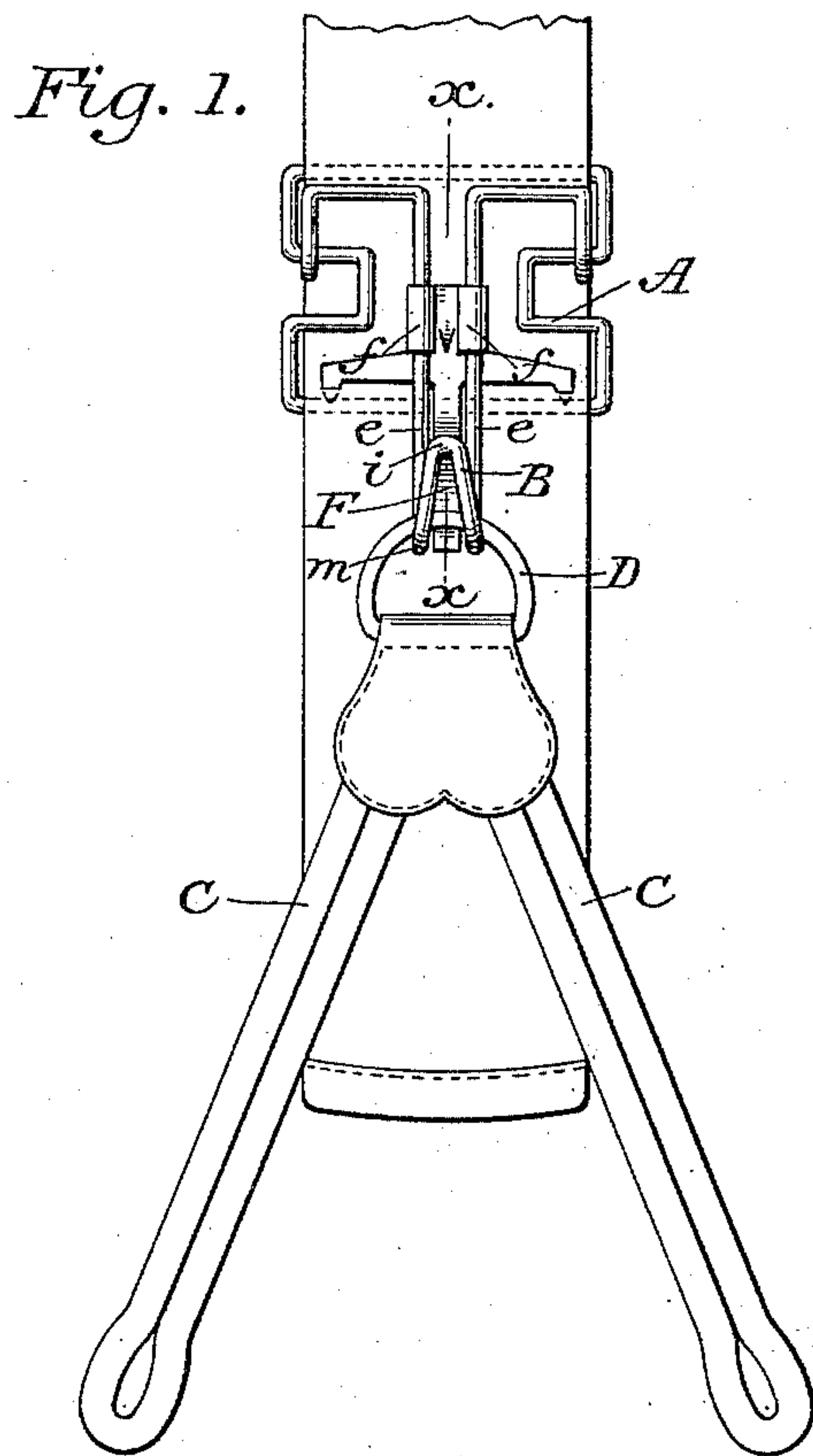


(No Model.)

J. JENKINS.
SUSPENDER BUCKLE.

No. 442,981.

Patented Dec. 16, 1890.



Attest:

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UNITED STATES PATENT OFFICE.

JOEL JENKINS, OF MONTCLAIR, NEW JERSEY.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 442,981, dated December 16, 1890.

Application filed September 23, 1890. Serial No. 365,881. (No model.)

To all whom it may concern:

Be it known that I, JOEL JENKINS, of Montclair, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Suspender-Buckles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to an improvement in buckles, and more particularly to buckles having a hook from which the suspender-ends depend, such as are described in Letters Patent No. 404,406, granted to Robert G. and Rene L. Henry, June 4, 1889.

It has for its object to combine with a device for preventing the accidental detachment of the suspender-ends from the hook of the buckle of a device which will automatically permit its ready detachment therefrom when required; and it consists in the combination, with an elastically-yielding stop or keeper for the buckle-hook, of a convex curve or projection formed at the end of the keeper to rest within the hook, substantially in manner as is hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a buckle embodying my invention and applied to a suspender; Fig. 2, a section in line *x x* of Fig. 1. Fig. 3 is a detail view in perspective of the hook of a buckle constructed of a thin metallic plate and embodying my invention, and Fig. 4 is a longitudinal section thereof in line *y y* of said Fig. 3.

A represents the body of the buckle, made, preferably, of wire, but which may be made of sheet metal.

B is the downwardly-projecting or dependent hook, which carries the suspender-ends C and which constitutes a special feature in this class of buckles. This hook B may be turned either inward or outward and is adapted to be engaged by the ring or loop D, to which the suspender-ends C are attached.

Where the buckle-hook is made of wire, as shown in Figs. 1 and 2, the two parallel arms or lengths *e e* of the wire of which the hook is constituted are separated far enough to form a longitudinal slot or interval between them. Within this slot is fitted a keeper F, formed of a narrow flat elastic strip or spring-plate. This keeper is secured at its inner

end to the two arms *e e* by means of lateral projections, which are severally bent around the arms to clamp them, as at *f f*, the free outer end of the strip being made to extend between them to the curve *m* of the hook. The strip or spring-plate is bent at the point *i* of the hook to form a transverse rounded projection *n*, (see Fig. 2,) which, springing up against the outer portion of the hook, operates as a stop to prevent the metallic ring or loop D placed in the hook from slipping out therefrom unless under strain.

Where the buckle-hook is made wholly of thin sheet metal, the keeper may be cut out of the body of the plate, as shown at F' in Figs. 3 and 4, having the form of a narrow central strip extending longitudinally to the curve *m* of the hook and which is bent up within the hook to form a transverse stop *n*, as shown in said Figs. 3 and 4.

The elastic keeper F or F' operates effectually to prevent an accidental release or detachment of the ring or loop D from the buckle-hook, and yet it is free when it is required to pass the ring or loop in or out of the hook to yield to moderate pressure brought to bear thereon by means of an upward or outward movement of the ring.

I do not claim, broadly, a spring extending within the hook of the buckle to serve as a guard. My invention provides an improvement thereon whereby the spring will yield automatically to permit the removal of the ring from the hook.

I claim as my invention—

The combination, with the dependent hook in a suspender-buckle, of an elastically-yielding strip secured at its inner end to the shank of the hook to extend longitudinally within a central slot or opening therein to the outer end of the hook and having a convex curve or outward projection, as *n*, adapted to form a transverse stop within the hook under the point thereof, substantially in the manner and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOEL JENKINS.

Witnesses:

A. N. JESBERA,
EDITH M. WATSON.