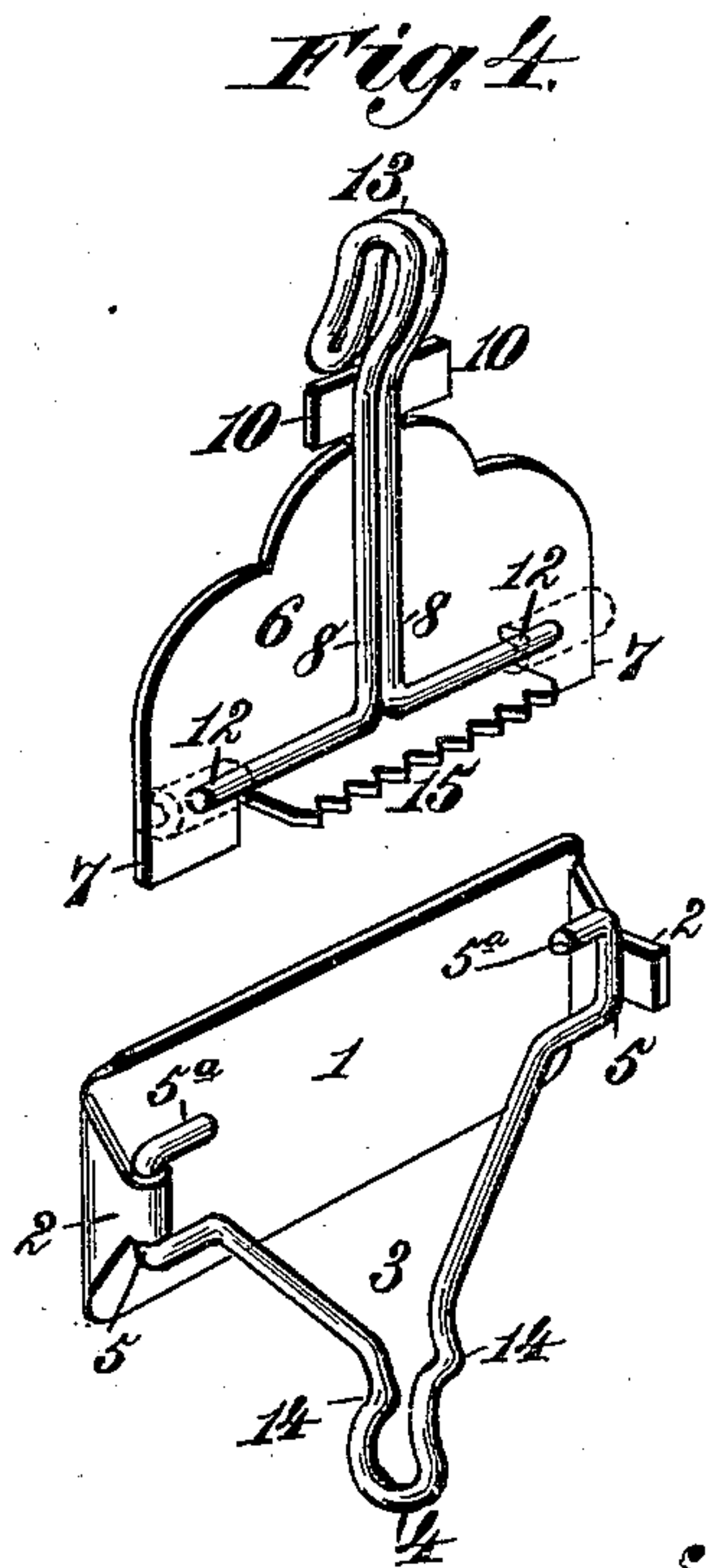
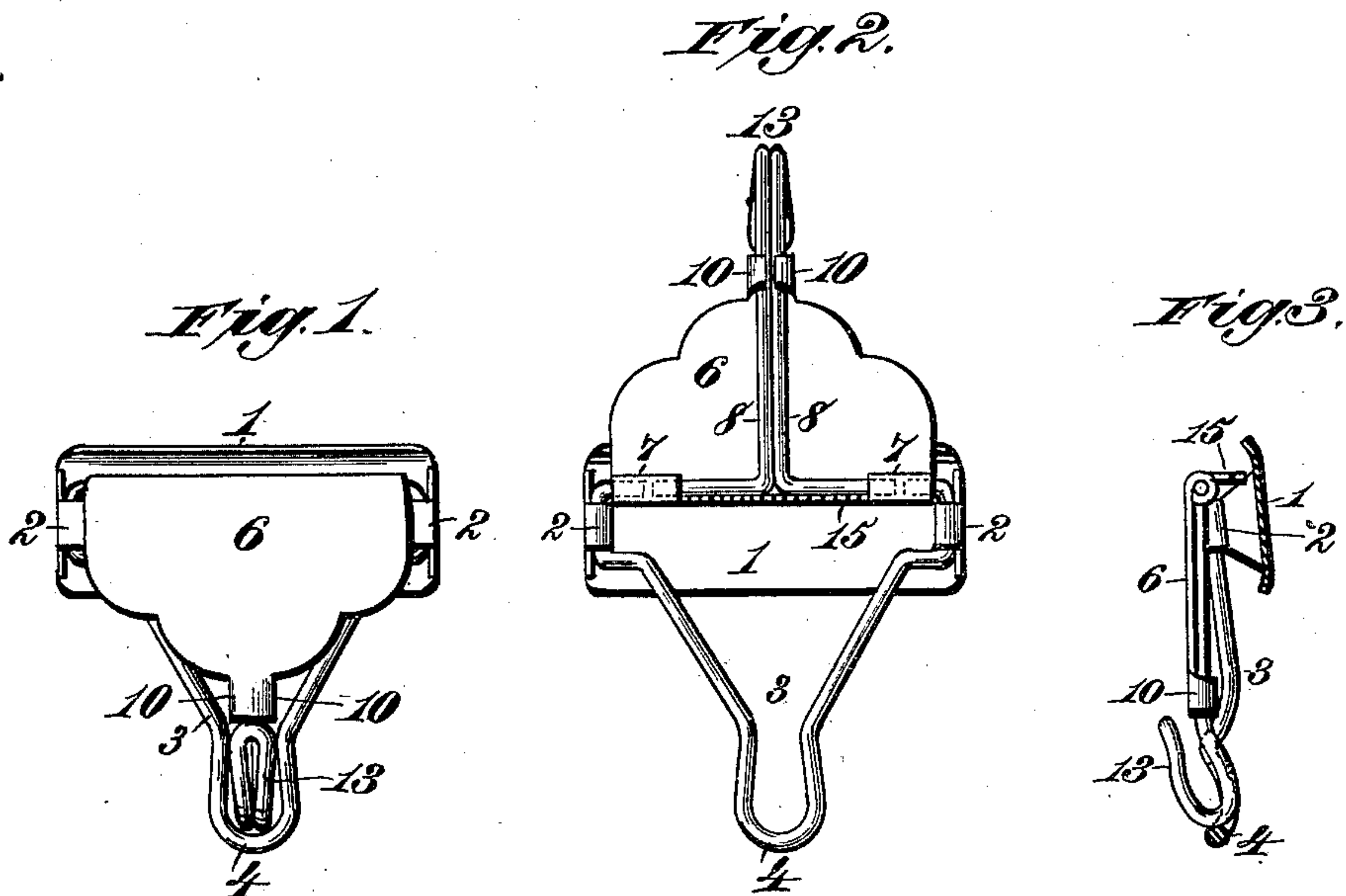


(No Model.)

J. H. MORRIS.
BUCKLE.

No. 427,886.

Patented May 13, 1890.



Witnesses.
Phil Everett,
J. G. Meyer Jr.

Inventor.
Jacob H. Morris.
By *James L. Norris,*
Atty.

UNITED STATES PATENT OFFICE.

JACOB H. MORRIS, OF NEW YORK, N. Y.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 427,886, dated May 13, 1890.

Application filed March 10, 1890. Serial No. 343,343. (No model.)

To all whom it may concern:

Be it known that I, JACOB H. MORRIS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Suspender-Buckles, of which the following is a specification.

My invention relates to that class of buckles commonly employed upon suspenders for connecting the suspender-ends with the webbing.

It is the purpose of my said invention to provide a buckle of this type which shall possess all the advantages of a "box-buckle," and at the same time present the conveniences afforded by the open-frame buckle.

My invention has also for its object to provide a simple and inexpensive construction and combination of parts whereby the loop or ring connecting the suspender-ends with the buckle may be instantaneously cast off without disconnecting or disengaging a locking device, the two members of the box-frame being both mounted upon the same wire yoke or clevis, the back plate being rigidly attached to the lateral arms of said clevis, while the front plate is hinged or pivotally connected with the ends of the yoke or clevis.

The following description, when taken in connection with the accompanying drawings, is a full, clear, and exact description of my invention, from which those skilled in the art may make, construct, and use the same.

In the said drawings, Figure 1 is a front elevation of a buckle containing my invention. Fig. 2 is a similar elevation showing the swinging plate raised. Fig. 3 is a vertical central section of the buckle, the swinging plate being in section. Fig. 4 is a perspective view of the buckle, the two parts being shown detached one from the other, the swinging plate being raised.

In the said drawings, the reference-numeral 1 designates the frame-plate of the buckle, which is of any suitable shape and dimensions, and is struck in a die from a sheet of any suitable metal. Upon the extremities of this plate I form ears or lugs 2, which are bent at right angles to the body of the frame-plate for a purpose presently to be shown.

The numeral 3 denotes the clevis or yoke,

which is composed of a single piece of wire bent centrally to form the loop 4, from which the arms of the clevis diverge, the extremities of said arms being bent into substantial parallelism to form points of attachment 5 for the lugs or ears 2 of the frame-plate, which are bent around the said points of attachment to give a rigid support for the plate. Above these ears or lugs, when thus attached, the ends 5^a of the clevis or yoke are bent inward or toward each other in substantially the same axial line, terminating at a short distance from the point of engagement with the lugs of the frame-plate.

The numeral 6 denotes the swinging plate of the buckle, which is provided with lugs 7, which project from its straight edge. Upon this swinging plate are laid two parallel contiguous wires 8, crossing the plate centrally and projecting from or beyond its lower edge, upon which I form a slight extension of the metal of the plate, which extension is provided with lateral lugs or points 10, which are bent around the parallel wires 8 to give a rigid and secure attachment. These wires are carried transversely and centrally across the swinging plate as far as the straight edge of the plate, where they are bent into opposite directions in substantial alignment with said edge, their extremities 12 being brought into the same axial line with the ends 5^a of the clevis, and the lugs or ears 7 are bent to inclose both these ends 5^a, and the extremities 12 of the wire forming the hook 13. This hook is composed of the central doubled portion of the wire, which is projected beyond the lower edge of the plate and curved into the proper shape, its form being such that it will pass within the loop 4. This loop is provided with a bend or angle 14, below which the wires are bent into approximate coincidence with the rearward curve of the hook.

The serrated jaw 15 of the buckle is formed upon the edge of the swinging plate and its teeth bear directly against the inner face of the frame-plate. It will be seen that the draft or strain upon the suspender-ends and webbing as it acts upon this jaw tends to throw the hook into and through the loop 4, thereby bringing the angle or shoulder 14 over

the ring on the suspender-ends and preventing the accidental escape of said ring from the hook.

What I claim is—

5 1. In a suspender-buckle, the combination, with a frame-plate having lugs at its ends formed into bearings, of a clevis having parallel portions with which said bearings engage, the ends of said clevis extended beyond
10 said bearings and bent inwardly, a swinging plate having lugs bent to form bearings which engage the inwardly-turned ends of the clevis and formed with a serrated jaw, and a hook
15 formed of wires crossing the swinging plate centrally and having their ends turned into the axial line of the inwardly-turned ends of the clevis, and also pivoted in the lugs on the swinging plate, substantially as described.

20 2. In a buckle, the combination, with a frame-plate 1, having ears or lugs 2 bent at

right angles to the plate, of a clevis or yoke 3, having a loop 4 and provided with parallel portions 5, engaged by the lugs 2, a swinging plate 6, having lugs 7, which engage and form
25 pivotal bearings for the oppositely-turned ends of the wire forming the clevis, and a hook formed of parallel wires 8, crossing the swinging plate centrally and attached thereto
30 by lateral lugs 10, the ends of the wire forming said hook being turned into the axial line of the ends 5^a of the clevis and inclosed by or engaged with the same lugs on the swinging plate, substantially as described.

In testimony whereof I have affixed my signature in presence of two witnesses.

JACOB H. MORRIS.

Witnesses:

ROBERT S. MORRIS,
S. L. ECKUS.