

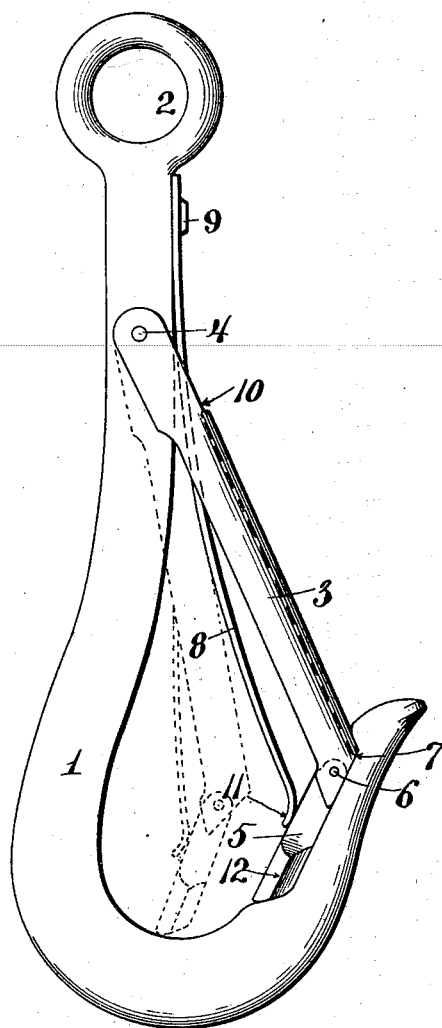
No. 650,230.

Patented May 22, 1900.

J. COMPTON.
SAFETY HARNESS SNAP.

(Application filed Feb. 8, 1900.)

(No Model.)



WITNESSES

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SAFETY HARNESS-SNAP.

SPECIFICATION forming part of Letters Patent No. 650,230, dated May 22, 1900.

Application filed February 8, 1900. Serial No. 4,518. (No model.)

To all whom it may concern:

Be it known that I, JOHN COMPTON, a citizen of the United States, and a resident of Atchison, in the county of Atchison and State of Kansas, have invented certain new and useful Improvements in Safety Harness-Snaps, of which the following is a specification.

The object of my invention is to provide a harness-snap that will be secure against the accidental escape of the ring or other part with which it engages; and to this end it consists in providing the tongue of a snap-hook with a supplemental tongue or dog hinged to the end of the tongue, recessed in the end of the hook to prevent its displacement by the engaged ring, and provided with a spring, or receiving the end of the snap-spring in such a manner that it bears at all times against the inner face of the hook until displaced intentionally, and prevents the escape of the ring or other engaged part, even though the main tongue may accidentally receive sufficient pressure to force it back from its seat.

My invention will be fully understood upon reference to the accompanying drawing, which represents a side view of a safety harness-snap embodying the features of my invention.

1 represents the hook, which may be provided with the usual eye 2 or other suitable means of attachment and with a tongue 3, hinged at 4 and bearing against the point of the hook.

5 represents a supplemental tongue or dog pivoted at 6 to the end of the main tongue 3, lying normally in a recess 7, formed in the end of the hook, and held against the inner face of the hook by means of the snap-spring 8, attached to the shank of the hook at 9, working in the opening 10 of the main tongue 3 and bearing at 11 against the supplemental tongue or dog 5, so as to not only keep the tongue 3 closed, but to force the dog 5 constantly against the inner face of the hook.

A hook constructed as above described will permit the insertion of a ring or other part to which it is to be attached quite as readily as when provided with the tongue 3 alone; but even though the tongue 3 be pressed back when in use by accidental engagement with other parts until it assumes the position shown in dotted lines the dog 5 will still bear against the inner face of the hook and prevent re-

lease of the engaged part. It will also be observed that the single spring 8 serves the double function of keeping the snap closed and swinging the dog 5 to compensate for any displacement of the main tongue 3. To release a ring held in the hook, it is simply necessary to press back the dog 5 by applying the thumb to the lip 12 until the ring passes behind the dog and also to press back the main tongue 3 to permit the ring to pass out.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A snap-hook comprising a hook, a tongue movable against the point of the hook to close the latter, and a dog pivotally carried by the end of the tongue and lying throughout its length against the inner face of the hook and terminating flush therewith, and a spring for holding the dog in its position against said inner face of the point of the hook.

2. A snap-hook comprising a hook, a tongue carried by the shank of the hook and bearing outwardly against the inner face of the point of said hook, and a dog pivotally carried by the free end of the tongue and having means for pressing it against the inner face of the point of the hook; said inner face of the point of the hook being provided with a recess that receives the full length of the dog; substantially as herein set forth.

3. A snap-hook comprising a hook, a tongue connected with the shank of the hook and bearing against the inner face of the point of said hook, a supplemental dog pivotally carried by the end of the tongue and seating against the inner face of the point of the hook, and a spring secured at one end to the shank of the hook and bearing at its other end against the dog, and forcing both the dog and tongue into closed position.

4. A snap-hook comprising a hook, a tongue pivotally connected with the shank of the hook and bearing against the inner face of the point of said hook, a dog pivotally carried by the end of the tongue that impinges against the point of the hook, and a spring bearing against the dog and holding both the tongue and dog against the inner face of the point of the hook.

5. A snap-hook comprising a hook, a tongue pivotally mounted upon the shank of the hook

and provided near its pivotal end with an opening 10, a supplemental dog pivotally carried by the outer end of the tongue and impinging with the latter against the inner face
5 of the point of the hook, and a spring fixed at one end to the shank of the hook beyond the pivot of the tongue, working through the opening 10 in the tongue, bearing against

the supplemental dog carried by the free end of the tongue, and forcing said dog, and the 10 end of the tongue, into close relation to the point of the hook.

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