

G. M. HUBBARD.
SNAP HOOK.

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933,251.

Patented Sept. 7, 1909.

Fig. 1

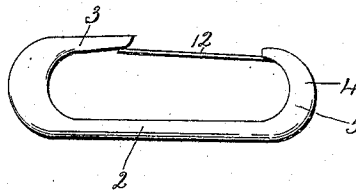


Fig. 2

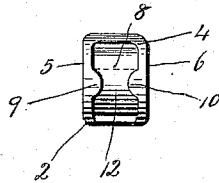


Fig. 3

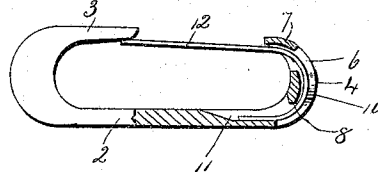
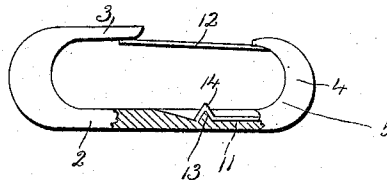


Fig. 4



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UNITED STATES PATENT OFFICE.

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SNAP-HOOK.

933,251.

Specification of Letters Patent.

Patented Sept. 7, 1909.

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To all whom it may concern:

Be it known that I, GEORGE M. HUBBARD, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Snap-Hooks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the numerals of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view of a snap hook constructed in accordance with my invention. Fig. 2 a rear view of the same. Fig. 3 a side view partially in section. Fig. 4 a side view partially in section illustrating the modified means for holding the spring tongue in position.

This invention relates to an improvement in snap hooks, and particularly to so called bridle hooks, that is, a snap hook in loop form so as to engage with rings or bars at opposite ends.

The object of this invention is to provide a hook for this purpose in which a flat spring is employed as a tongue and in which the spring tongue is firmly secured in place and protected at its bend against wear and strain; and the invention consists in the construction to be hereinafter described and particularly recited in the claims.

As herein shown the snap consists of a body 2 formed at one end with a nose 3. The opposite end 4 of the snap is of frame-like character comprising sides 5, 6, top bar 7 and central bar 8. Preferably the edges of the sides are formed with ears 9, 10. The bottom of the body is also formed with a recess 11 to provide a seat for the spring. The tongue 12 of the snap is formed from a strip of spring metal which extends from the nose 3 beneath the bar 7 outside the central bar 8 and onto the seat 11, and is held against rearward movement by the lugs 9 and 10.

It will be understood that the body is cast complete with the nose and rear end thrown out of alinement to facilitate casting and assembling. By this construction the central bar 8 extends across the bend of the spring tongue so that the edges of the frame-like rear end of the body will take the entire strain which may be brought upon that end of the hook and prevent a ring or bar with which the hook is engaged from coming in contact with the spring.

It is apparent that instead of providing the rear end of the hook with the lugs 9 and 10 that the seat 11 might be formed with an upward projection 13 and the spring with a bend 14 to set over the projection so as to hold the spring against rearward movement.

I claim:—

1. A snap hook of loop type comprising a body constructed at one end with a nose, and frame-like at the opposite end, the sides of the frame connected by a top and a central bar, a spring tongue engaging with the nose of the hook and extending beneath the top bar and outside the central bar and onto the body, substantially as described.

2. A snap hook of loop type comprising a body formed with a nose at one end, and frame-like at the opposite end the ends of the frame connected by a top bar, and the sides of the frame connected by a central bar, the side of the frame also formed with inwardly projecting lugs, a spring tongue extending from the nose of the hook rearward beneath the said top bar and between the central bar and said lugs and onto the body of the hook, substantially as described.

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

GEORGE M. HUBBARD.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.