(No Model.)

L. T. BULLEY & D. W. BURNHAM.

SNAP HOOK.

No. 280,792. Patented July 10, 1883.

Fig. 1.

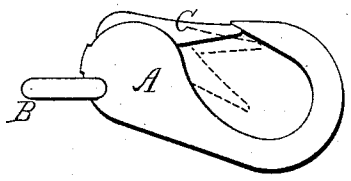


Fig. 3.

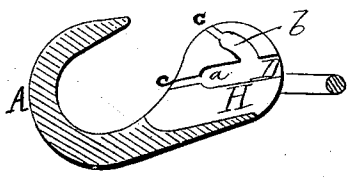
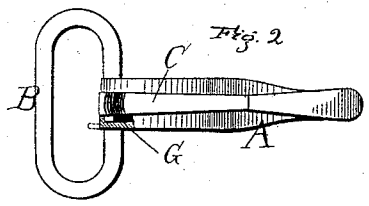


Fig. 2.



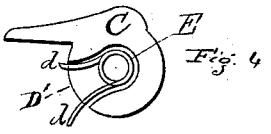


Fig. 4.

Fig. 5.

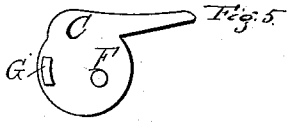


Fig. 7.

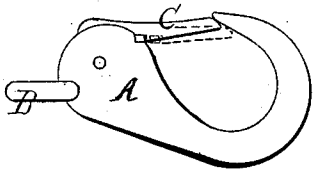


Fig. 6.

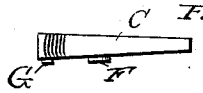


Fig. 8.

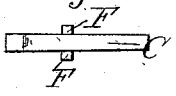


Fig. 9.

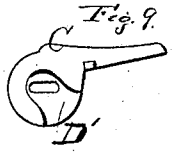


Fig. 10.

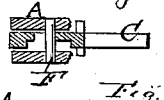
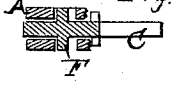


Fig. 11.



Witnesses.
R. Brown
[illegible]

Louis T. Bulley and
Dan'l W. Burnham.
By Andrew O'Neill
and Chas J. Gooch
attorneys

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

LOUIS T. BULLEY AND DANIEL W. BURNHAM, OF NEW HAVEN, CONN.; SAID BULLEY ASSIGNOR TO GEORGE N. BULLEY, OF SAME PLACE.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 280,792, dated July 10, 1883.

Application filed March 9, 1883. (No model.)

To all whom it may concern:

Be it known that we, LOUIS T. BULLEY and DANIEL W. BURNHAM, citizens of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Snap-Hooks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to spring snap-hooks; and it consists in certain improvements in the construction thereof, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 represents a side elevation of one of our improved hooks. Fig. 2 is a top plan view thereof. Fig 3 is a vertical longitudinal section of the hook. Fig. 4 represents a side elevation of the tongue detached, with spring in position thereon. Fig. 5 represents a side elevation of the tongue, taken on the side opposite to that shown in Fig. 4. Fig. 6 represents a top plan view of the tongue. Figs. 7 to 11 represent modifications.

A represents the hook; B, the link to which the strap is attached, and C the tongue. Within the inner face of one cheek of the hook is formed a slot or groove, D, having horizontally-extending lower portion, *a*, and upwardly and forwardly curved portion *b*. Each forward end of this slot or groove is provided with an extension, *c*, through which any dust or dirt that may accumulate therein can be readily removed without removing the tongue. The tongue C is, according to the preferred arrangement, provided with a recess, D′, within which is inserted a coiled spring, E, whose free ends *d* project forwardly, and bear, respectively, against the lower portion of the recess in the hook within which the tongue rests, and against the upper portion of the recess in the tongue within which the spring is contained, in order that the tension of the spring will constantly tend, in its normal condition, to force the forward end of the tongue upward against the hook.

F represents a pivot-pin formed on or attached eccentrically to one face of the tongue, and G represents a lug at the rearward portion of the cheek of said tongue.

The slot H extends from front to rear of the rear portion of the hook, as shown in Fig. 3, and the method of securing the tongue in position therein is as follows: The spring having been placed in position within the recess in said tongue, as shown in Fig. 4, said tongue is placed against the rear end of the hook, with the pivot-pin F in line with the horizontal portion *a* of the slot D. It is then slid within the slot H until the lug G comes opposite to the curved or cam slot or groove *b*, when the continued pressure forward of said tongue will cause said lug to enter within such cam-groove, and thus securely lock the tongue in position within the hook. When it is desired to open the tongue, the forward end is pressed down, whereupon the lug will ride upward within the cam-groove. The hook is provided with an ear at the back of its center, which will close over the rear part of the slot to prevent the tongue dropping or sliding out rearwardly.

If desired, the inner face of each cheek of the hook may be provided with a slot, D, in which event the tongue will be provided with two pivot-pins and two lugs; or the construction may be reversed to the extent of providing the tongue with a slot D on either one or both sides, and providing the inner faces of the cheeks of the hook with such pivot-pin F and lug G.

The several parts may be cast without a core or within a core, and either open or closed.

Having thus described our invention, what we claim is—

1. A snap-hook consisting of rigid hook A and tongue C, one of said members having the slot D, and the other member having pivot-pin F and lug G, substantially as and for the purpose set forth.

2. A snap-hook having rigid hook A, provided with recess H, horizontal groove *a*, and cam-groove *b*, movable tongue C, having pivot-pin F and lug G, and the spring E, substantially as and for the purpose set forth.

3. A snap-hook having its rigid member A provided with grooves *c* to admit of the removal of dirt therefrom, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

LOUIS T. BULLEY.
DANIEL W. BURNHAM.

Witnesses:
CHARLES A. OAKS,
M. P. DWYER.