

J. B. TAINTER.
SNAP-HOOK.

No. 171,590.

Patented Dec. 28, 1875.

Fig. 1.

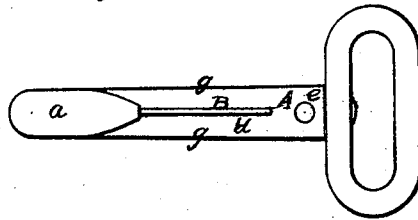


Fig. 4.

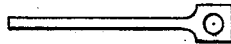


Fig. 2.

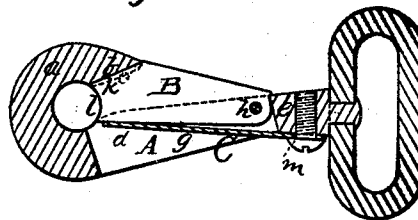
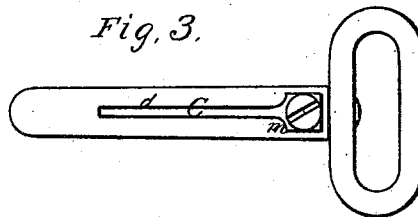


Fig. 3.



WITNESSES

Mary J. Wiley.
Geo. E. Wham.

INVENTOR

J. B. Tainter,
Chipman & Fenner & Co.,

ATTORNEYS

UNITED STATES PATENT OFFICE

J. BURNHAM TAINTER, OF MENOMONEE, WISCONSIN.

IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. **171,590**, dated December 28, 1875; application filed May 1, 1875.

To all whom it may concern:

Be it known that I, J. BURNHAM TAINTER, of Menomonee, in the county of Dunn and State of Wisconsin, have invented a new and valuable Improvement in Snap-Hooks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my snap-hook, and Fig. 2 is a sectional view of the same. Fig. 3 is a plan view, and Fig. 4 a detail view.

This invention has relation to snap-hooks; and it consists in the construction and novel arrangement of the slotted hook-shank and its channeled beak, the plate-tongue seated in the slot of the shank, and beveled to engage with the channel of the beak, and the straight spring, also working in the slot of the shank, and attached to the heel thereof by means of a set-screw, as hereinafter fully shown and described.

In the accompanying drawings, the letter A designates the shank of the snap-hook, having a general cylindrical form in cross-section. The beak *a* is bent in circular form, and is beveled on its under side, as indicated at *b*, and provided with a longitudinal channel, *c*. Through the shank in the plane of the beak is formed a slot, *d*, extending from the beak to the heel *e*, the shank being widened somewhat on each side of the slot to form strong cheeks *g*. The heel portion *e* is arranged so that its back surface, which forms the seat of the spring, will have an angular relation to the back of the shank. B represents the tongue-plate. This is a plate of metal, having a generally triangular form or sector shape, of which the broader part is toward the beak of the shank, the narrow end being pivoted in the slot, as shown at *h*. The corner *k* of the tongue is beveled off, as shown, to engage with the channel of the end of the beak. Beyond

the bevel the end of the tongue is cut away in concave form, as indicated at *l*, so that, when the tongue is raised to engage with the back, the concave *l* will form the complement of the circle of the beak. C designates the spring. This is straight and narrow, extending lengthwise into the slot of the shank from the back, and bearing against the back edge *s* of the tongue-plate, which is straight and lies wholly therein. At its rear end the plate of the spring is widened, as shown at *m*, and perforated for the passage of the fastening-screw, which extends into the threaded perforation *n* in the heel of the shank.

The circular aperture of this snap-hook is designed to make it strong at every point.

The hook is simple in its parts and readily manufactured. It is especially adapted for winter use, as it cannot be clogged with ice or snow in such a manner as to prevent it from being opened with facility.

I am well aware that it is not new to employ a plate-tongue in connection with a partly-slotted shank; hence I do not claim, broadly, such invention.

What I claim as new, and desire to secure by Letters Patent, is—

The snap-hook having the deep-slotted shank A and the inclined spring-seat *e*, forming an angle therewith, the straight spring C, having its tongue lying within the slot of said shank, and the broad sector-shaped plate-tongue B, having a beveled border, *k*, for the groove of the beak, a circular border, *l*, adapted to complete the circular eye, to effectually hold the ring in place therein, and a straight border, *s*, lying wholly within said slot of the shank, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

J. BURNHAM TAINTER.

Witnesses:

A. J. MESSENGER,
W. H. ALLEN.