

E. C. KNUTH.
WHIFFLETREE HOOK.

No. 182,936.

Patented Oct. 3, 1876.

Fig. 1.

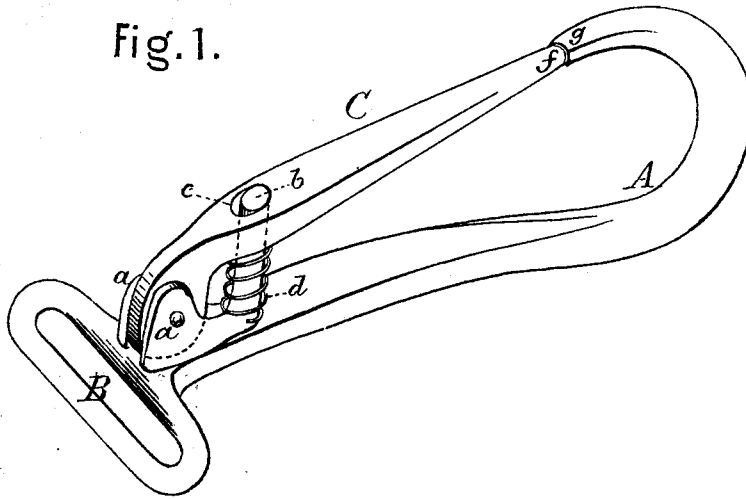


Fig. 2.

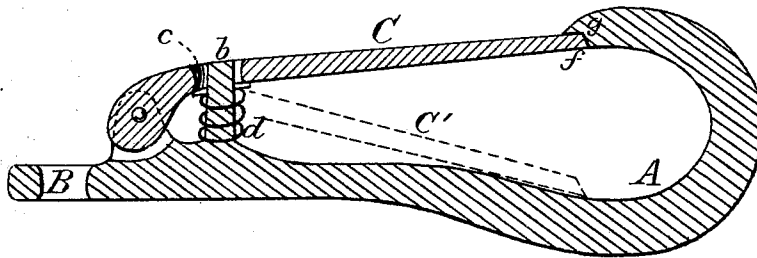
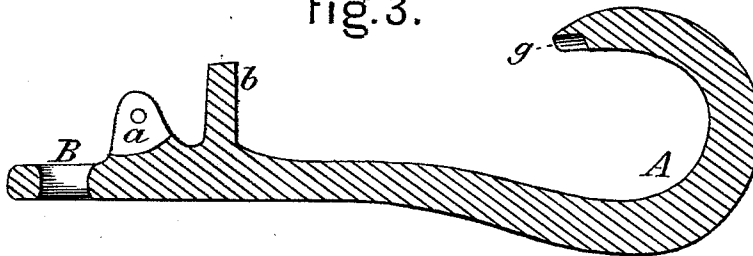


Fig. 3.



Witnesses:

Charles B. Bunn
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UNITED STATES PATENT OFFICE.

EDWARD C. KNUTH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WHIFFLETREE-HOOKS.

Specification forming part of Letters Patent No. 182,936, dated October 3, 1876; application filed March 23, 1876.

To all whom it may concern:

Be it known that I, EDWARD CHARLES KNUTH, of the city of Chicago, county of Cook, and State of Illinois, have invented certain improvements in an article called or known as a "Whiffletree or Strap Hook," and expressed in the accompanying drawings, to which I refer.

In the drawings, Figure 1 is a perspective view of the improved hook. Fig. 2 is a longitudinal section, showing the parts altogether in working order. Fig. 3 is a sectional view, representing only the hook's body.

My invention relates to a hook used and known as "whiffletree" or as a "strap hook," of common shape, and made of brass or iron. The rounded front part A is bent forward, down, and up in a swift return curve, ending in the resemblance of hook-shaped form, as shown in the drawings. This shape offers a convenient space for the free playing of attached rings, chains, straps, ropes, &c., as it may require. The remaining part of the hook's body is flattened out, terminating to a round or oblong shaped eyelet, B, for a chain or a strap to run it through for fastening. Near this eyelet on the flat surface the hook's body carries two projecting lugs or joints, *a a*, in combination with a vertical and round-shaped guide-plug, *b*. The tongue C is hinged at its base between the lugs *a a*, while the front end *f* is properly fitting in a recess, *g*, underneath the hook's end, and provided on its center line with an oval-shaped opening or hole, *c*, in which the guide-plug *b* is lodging. On said guide-

plug *b* is loosely slipped a fitting spiral spring, *d*, with a washer on its top to keep the tongue's hole free from entanglement with the spring. The tongue itself acts as a spring by the aid of the spiral spring underneath. When compressed and relieved, it finds its way up, securely guided and supported, to the recess in its resting position, preventing thereby the attached ring, chain, strap, &c., from getting out of its playway on the hook. When pressed down in the position at C', as shown by dotted lines, till it comes in contact with the hook's body at A, the tapered end of said tongue runs out in the continuation of the hook's bent form, preventing thereby any interference or molesting interruption by hooking or unhooking.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the hook, provided with a stud, *b*, the pivoted tongue C, having a slot, *c*, to receive the stud *b*, and the spiral spring *d*, substantially as and for the purpose set forth.

2. The combination of the stud *b* on the body of the hook, the pivoted slotted tongue C, spiral spring *d*, and washer, placed on the stud between the spring and the tongue, substantially as and for the purpose set forth.

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Witnesses:

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