

No. 751,090.

PATENTED FEB. 2, 1904.

O. S. MAROLD.

SNAP HOOK.

APPLICATION FILED MAY 14, 1903.

NO MODEL.

Fig. 1.

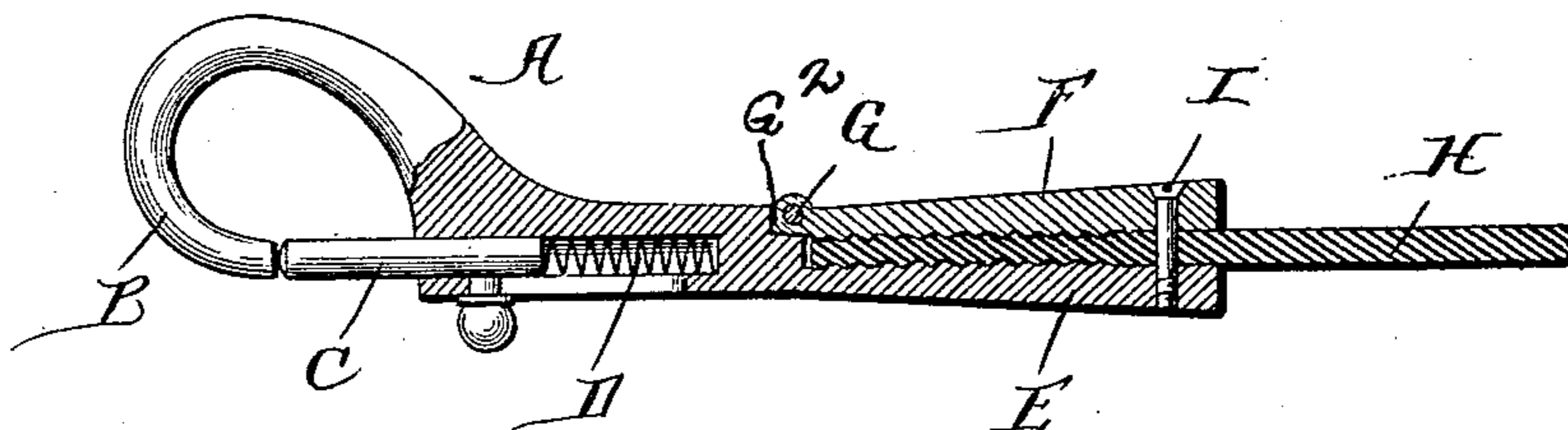


Fig. 2.

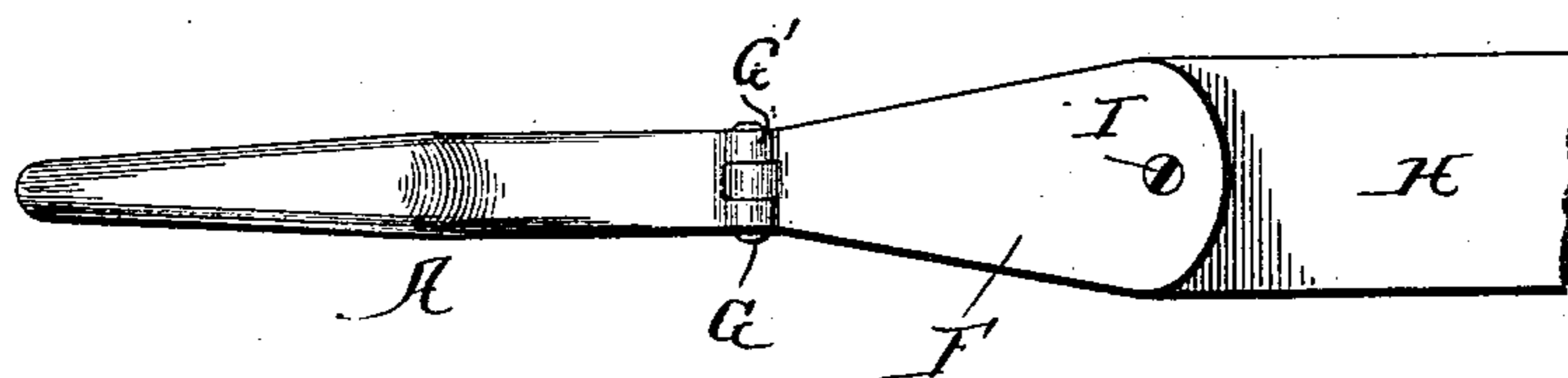


Fig. 3.

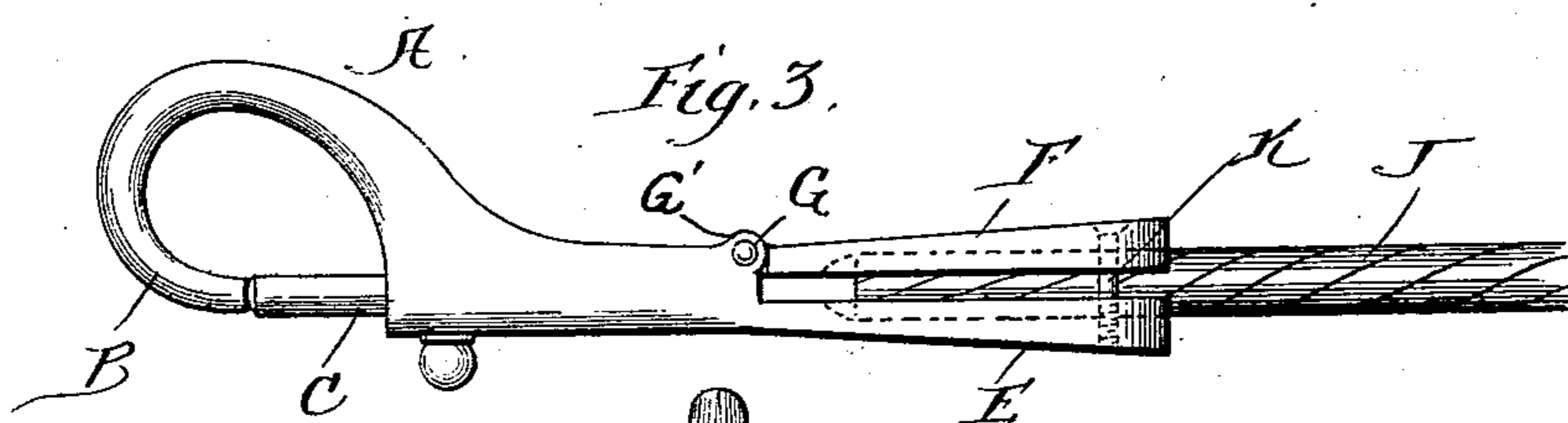
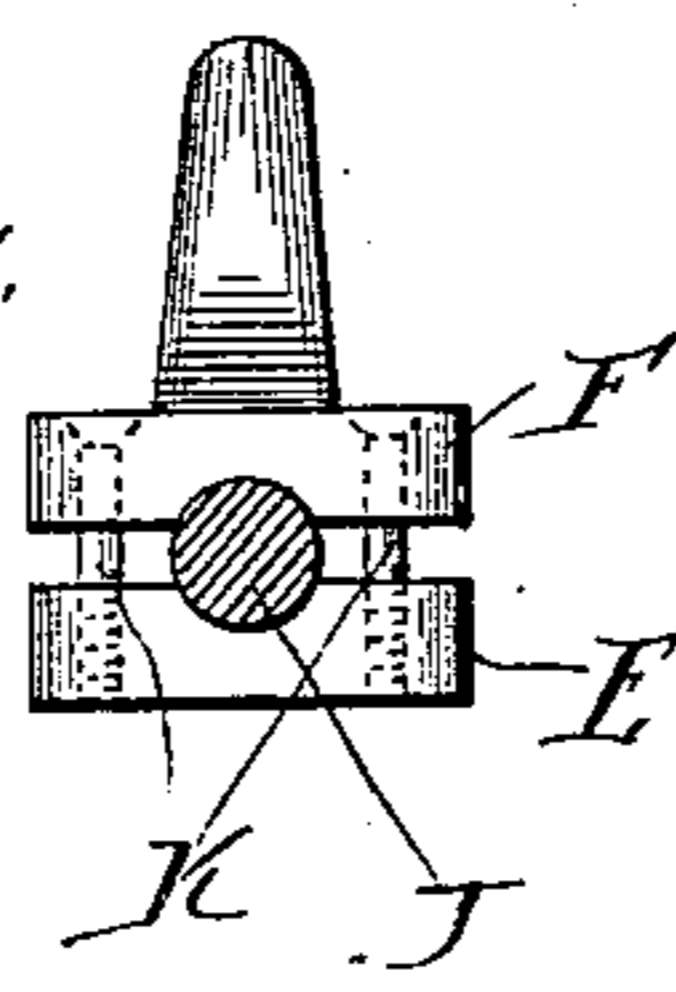


Fig. 4.



Witnesses:

Louis D. Heinrichs
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By

Inventor

Oscar S. Marold

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UNITED STATES PATENT OFFICE.

OSCAR S. MAROLD, OF SAGUACHE, COLORADO.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 751,090, dated February 2, 1904.

Application filed May 14, 1903. Serial No. 157,163. (No model.)

To all whom it may concern:

Be it known that I, OSCAR S. MAROLD, a citizen of the United States, residing at Saguache, county of Saguache, and State of Colorado, have invented a certain new and useful Improvement in Harness Snap-Hooks, of which the following is a specification.

My invention relates to a new and useful improvement in harness snap-hooks, and has for its object to provide a snap-hook which may be easily attached or detached to the end of a strap or rope.

With this end in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a longitudinal section through a snap-hook of my improved construction; Fig. 2, a plan view of the same; Fig. 3, a side elevation of my improved snap-hook, showing the same secured to a rope; Fig. 4, a rear end elevation of Fig. 3.

A represents a snap-hook of ordinary construction provided with the usual hook-shaped eye B, sliding bolt C, and spring D for operating the same. Extending rearward from the shank of the snap-hook and formed therewith is a plate E.

F is a leaf of the same general outline as the plate E, pivoted or hinged at the point G to the shank of the snap-hook through the medium of ears G', formed integral with the said shank and extending upwardly a slight distance therefrom. The shank is recessed between the ears, as shown at G², and the end of the leaf lies therein when the said leaf is clamped in operative position. This arrangement provides for the accommodation of the end of the leaf without materially enlarging the shank.

H represents the strap, designed to be passed between the plate E and leaf F and clamped therebetween by the screw or bolt I, which passes downward through the leaf F and is threaded into the plate E. The inner faces of

the plate E and leaf F are grooved, corrugated, or roughened in any manner, so as to bite into the strap and hold the same securely.

In Fig. 3 I have shown my improved snap-hook as attached to a rope J. When the snap-hook is designed to be attached to the rope, the inner faces of the plate E and leaf F are grooved longitudinally, and the rear end of the rope is designed to lie within these grooves and be clamped between the plate E and leaf F, and in this construction it would be preferable to use two screws K, one upon each side of the rope, said screws passing downward through the leaf and being threaded in the plate.

The principal advantage of this improved snap-hook is that the same may be easily and quickly attached to any strap or rope and will be held so securely thereto that the strap or rope will break before it will be disconnected from the snap-hook, and if the strap or rope should break the snap-hook may be easily and quickly disengaged from the broken end and again attached to the body of the strap without the use of any tools except an ordinary screw-driver.

Of course I do not wish to be limited to the exact construction here shown, as slight modifications could be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

In a snap-hook, a shank having a hook-shaped eye, a spring-pressed bolt operating in conjunction with the end of the hook forming the eye, an extension formed with and projecting from one edge of said shank and the opposite edge of said shank having a recess and ears, a leaf lying parallel with the extension and having its end provided with an eye, the said end lying in the recess of the shank and a pivot run through the eye of the leaf and through the ears, and screws run through the leaf and extension.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

OSCAR S. MAROLD.

Witnesses:

NED LOCKETT,
CARL MAROLD.