No. 803,054. PATENTED OCT. 31, 1905.

D. J. FLANNIGAN.

HITCHING STRAP FASTENER.

APPLICATION FILED MAR. 3, 1905.

Fig 1

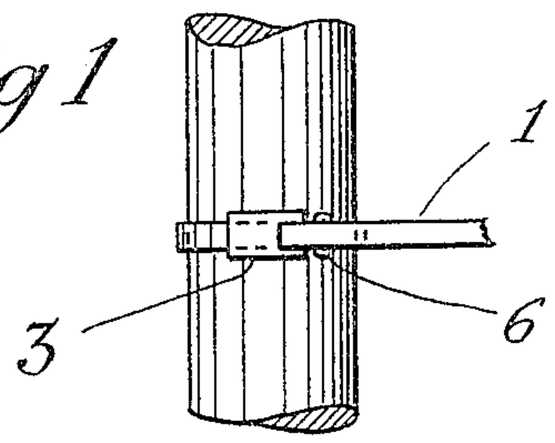


Fig 2

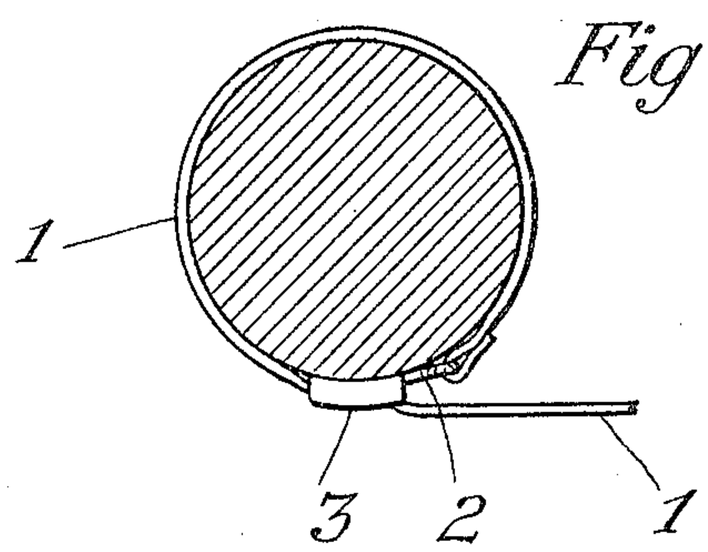


Fig 3

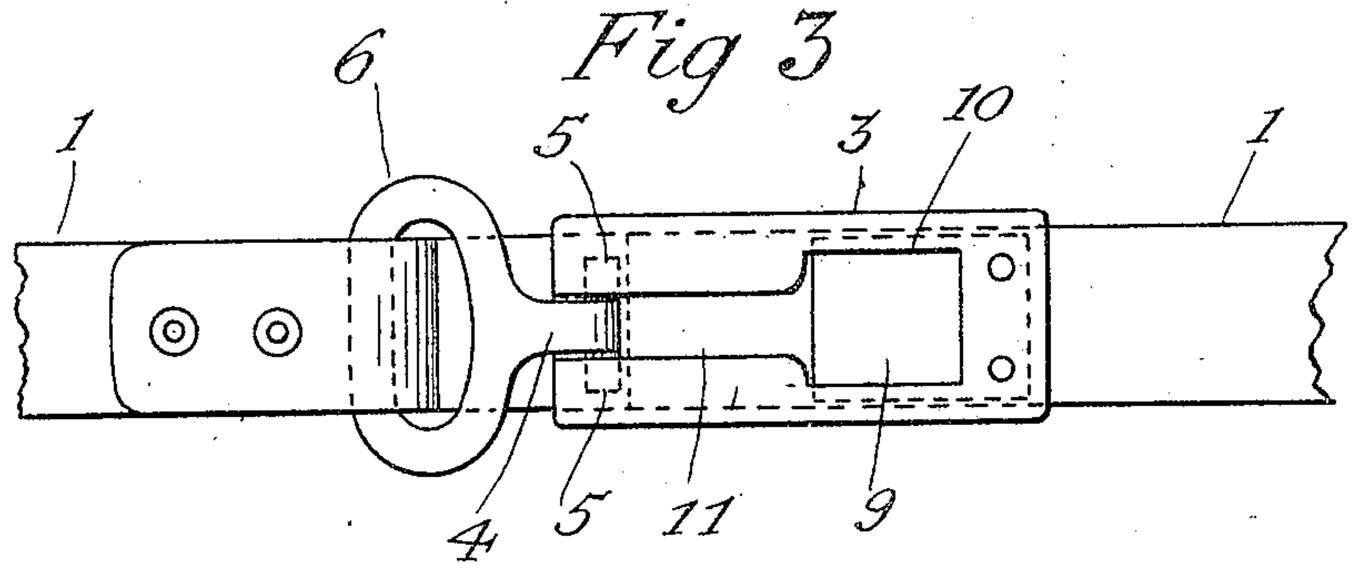


Fig 4

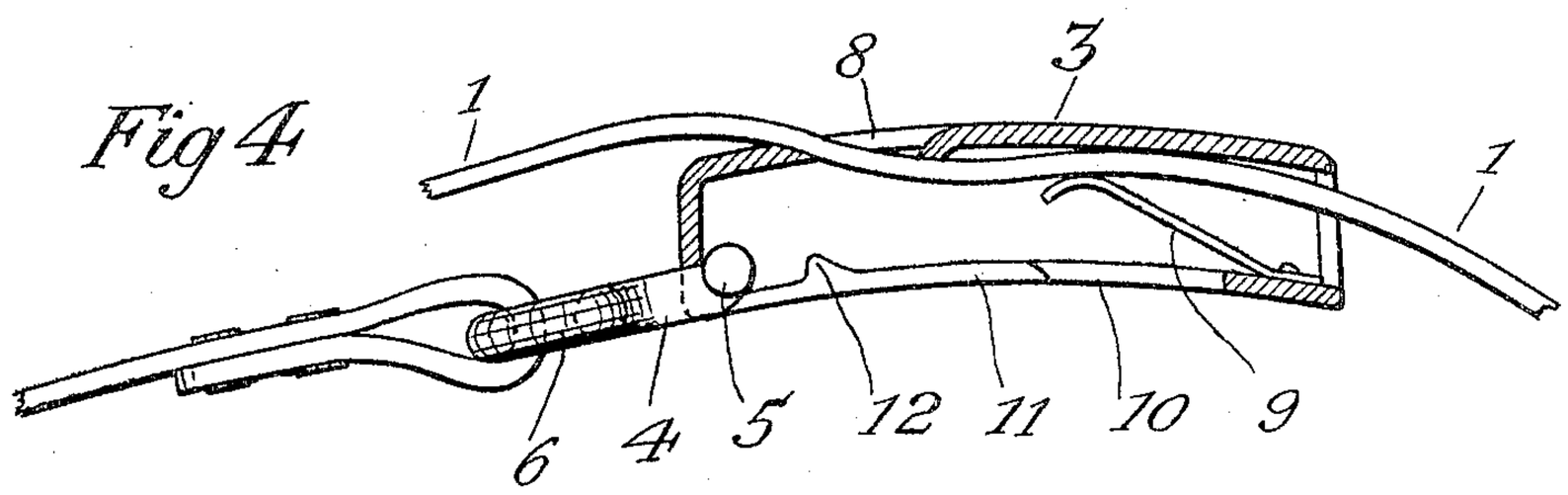
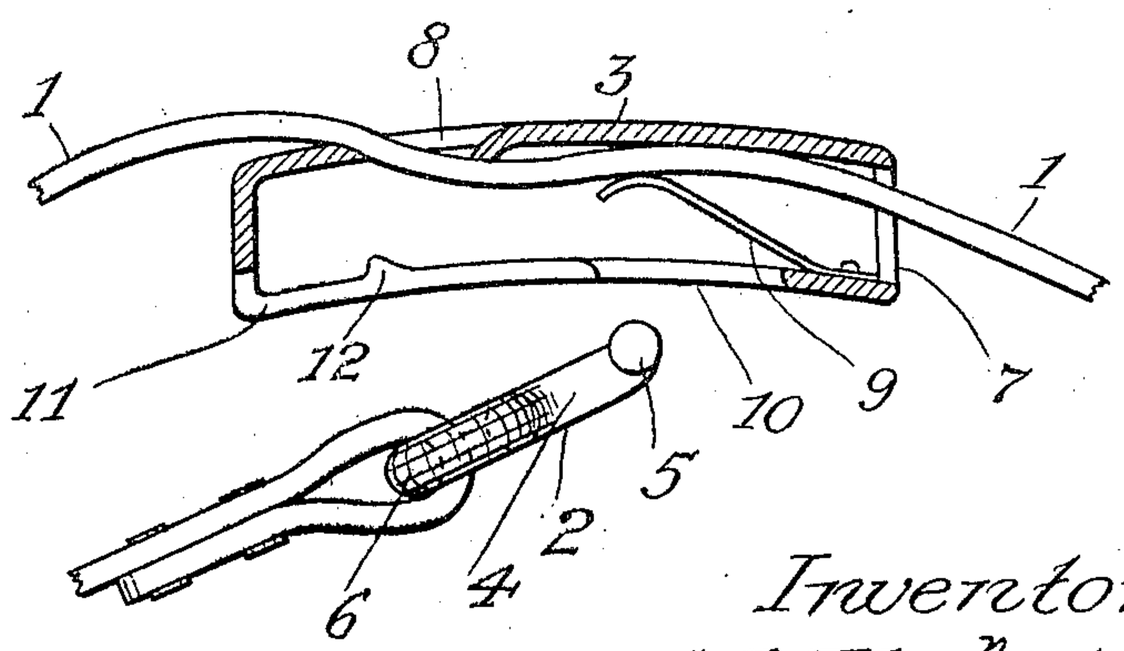


Fig. 5



Witnesses
Theo. Lagaard.
H. A. Bowman.

Inventor
Daniel J. Flannigan
By P. H. Gunckel
his Attorney.

UNITED STATES PATENT OFFICE.

DANIEL J. FLANNIGAN, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO RICHARD NEISINGH, OF EXCELSIOR, MINNESOTA.

HITCHING-STRAP FASTENER.

No. 803,054. Specification of Letters Patent. Patented Oct. 31, 1905.

Application filed March 3, 1905. Serial No. 248,346.

To all whom it may concern:

Be it known that I, DANIEL J. FLANNIGAN, a citizen of the United States, residing in the city of Minneapolis, county of Hennepin, and State of Minnesota, have invented certain new and useful Improvements in Hitching-Strap Fasteners, of which the following is a specification.

My invention relates to devices for securing loops of straps to prevent slipping, and more particularly to devices for securing the ends of straps to movable fasteners provided on the strap-bodies, the object being to provide means for so connecting the end and body that the loop may be tightened by tension and not slip when the tension ceases.

The devices of the improvement consist of a hollow metal frame through which the strap passes and is slidable and a spring for pressing the strap against the wall of the frame, the frame having a suitable slot to receive a hook, and a hook fastened to the end of the strap to be entered into the frame-slot when the strap is looped. These devices are illustrated in the accompanying drawings, in which—

Figure 1 shows a side elevation of a post with a strap provided with my improved fastener secured around it. Fig. 2 is an enlarged top view of Fig. 1. Fig. 3 shows the inner side of the strap and fastening devices as they appear when the latter are connected to complete and hold the loop. Fig. 4 is a central sectional view of the frame, showing the strap and hook in elevation; and Fig. 5 is a view similar to Fig. 3, except that the two members of the fastener are disconnected.

In the drawings, 1 designates an ordinary leather hitching-strap, 2 a suitable hook on its end, and 3 a slidable frame on the body of the strap. The so-called "hook" 2 shown consists of a central projecting tongue 4, having at its outer end lateral projections 5, and is connected by an eye 6, or otherwise, to the strap end. The frame 3 is of metal and consists of a hollow body slightly curved lengthwise and having its rear end open, as at 7, to receive the strap and an opening 8 near the forward end, through which the strap is passed outward. This construction allows the frame to be moved freely along the strap, and to provide suitable frictional contact to prevent too free movement a spring 9 is secured to the base portion of the frame, near the rear end, and extends inward and upward in curved direction to contact with the strap and serves, in conjunction with the frictional contact of the strap and frame, to hold the frame in place on the strap, and thereby to hold the strap in place and prevent it from slipping downward on the post.

Near the middle of the frame-base is a transverse slot 10 to permit the hook, with its lateral lugs, to be easily inserted into the interior, and from this transverse slot a central longitudinal slot 11, slightly wider than the thickness of the tongue 4, is extended toward the forward end of the frame. This enables the hook to be entered and moved toward the front in the slot and to be locked in place by the tongue projections. Small lugs 12, projecting inward from the frame near its front, tend to hold the hook in its seat, except when it is lifted to remove it.

The operation is probably obvious. In hitching to a post the frame is moved on the strap to a suitable point, and the end strap portion is then passed around the post and the hook inserted in the frame-slot, after which the body of the strap should be pulled upon to tighten the loop. When this has been done, the friction of the frame and strap will prevent any loosening or slipping of the loop and the strap will be prevented from sliding down the post. In unhitching, the loop can readily be loosened by hand by pulling the frame toward the body of the strap or pushing the body of the strap toward the frame; but until this is done it will remain securely in place.

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

1. A hitching-strap fastener, comprising a hollow metal frame having openings in one end and side for the passage of the strap, an edge of the latter opening being provided with an inward flange to bend the strap and afford frictional resistance, and openings in the other end and side for receiving a hook, a hook attached to the end of the strap and having projections extending outward from a central tongue for insertion in the latter openings, and a spring arranged to press the strap against the side of the frame, substantially as set forth.

2. The combination with a hitching-strap, of a fastener therefor comprising a hollow

metal frame having openings in one end and side for the passage of the strap, an edge of the latter opening being provided with an inward flange to bend the strap and afford frictional resistance, and openings in the other end and side for receiving a hook and having lugs projecting inward near the latter end for holding the hook in place, a hook attached to the end of the strap and having projections extending outward from a central tongue for insertion in the latter openings, and a spring arranged to press the strap against the side of the frame, substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 25th day of February, 1905.

DANIEL J. FLANNIGAN.

Witnesses:
P. H. GUNCKEL,
H. A. BOWMAN.