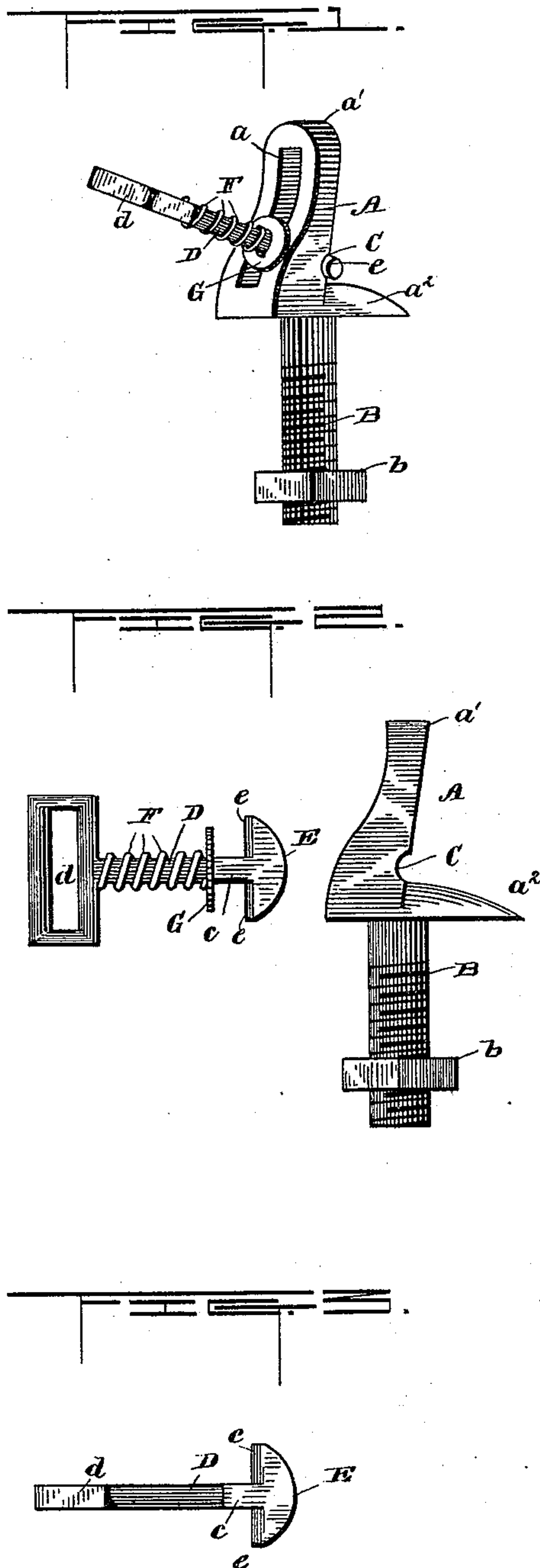


(No Model.)

L. ROONEY
CHECK HOOK.

No. 428,320.

Patented May 20, 1890.



WITNESSES

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UNITED STATES PATENT OFFICE.

LEGORA ROONEY, OF JANESVILLE, WISCONSIN.

CHECK-HOOK.

SPECIFICATION forming part of Letters Patent No. 428,320, dated May 20, 1890.

Application filed January 9, 1890. Serial No. 336,409. (No model.)

To all whom it may concern:

Be it known that I, LEGORA ROONEY, of Janesville, in the county of Rock and State of Wisconsin, have invented certain new and
5 useful Improvements in Check-Hooks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the
10 same.

My invention relates to an improvement in check-hooks.

The object is to provide a check-hook which will securely hold the checkrein against ac-
15 cidental displacement, which will admit of its ready adjustment and release, and which will present a neat appearance and be simple and durable.

With these ends in view my invention con-
20 sists in certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the check-hook with the parts ad-
25 justed as in use, the male member attached to the checkrein being of the form used in connection with the "overcheck" rein. Fig. 2 is a view of the parts in position to be engaged for checking, or in the position they
30 assume just after the checkrein has been released; and Fig. 3 is a view of the male member of the form used with the "side" checkrein.

The female member of the hook consists of
35 a post A, having a vertically-elongated slot a formed therethrough from front to rear.

The post is preferably provided with a rounded top a' and a flaring base a^2 to afford an extended bearing of the post upon the
40 saddle, and from the central portion of the base a^2 a screw-threaded stud B projects, and is fitted with a nut b to secure the post firmly to the saddle. The post and screw-threaded stud are conveniently formed in one piece,
45 and the form of the body of the post may be rectangular or slightly curved on its front, as shown, or any other well-known and suitable form. The post is preferably set so as to incline to the rear to bring the hook into more
50 natural alignment. Near the lower end of the slot a the post is provided on its rear face with laterally-extending concave recesses C

to receive the male member, as will hereinafter appear. The male member consists of a shank D, provided on its rear end with a
55 cross-head E. The rear edge of the head E is preferably rounded, as shown, and the front faces e of the wings of the cross-head are of convex form and adapted to seat in the concave recesses C in the post. The thickness
60 of the head E and shank D are such that the head may when turned at right angles to its normal position, as shown in Fig. 2, be passed through the slot a , and the shank for a short distance forward from the head E is squared,
65 as shown at c , to prevent the shank from rotating in the slot when the faces e of the head are engaged with the post. To hold the said faces e in their seats or in engagement with the rear face of the post, a spring F is inserted
70 between the loop d and the post, the tension of which tends to force the loop away from the post, and hence to draw the head E into engagement with the rear of the post. As a bearing for the end of the spring next the
75 post, it is found convenient to place a washer G in sliding engagement upon the shank, so that as the head E is forced through the slot a the washer will compress the spring. The washer may consist of a flat split ring of spring
80 or malleable metal for convenience in adjusting it upon the shank. When the members are assembled for use, the male member is permitted to rock vertically in its bearings and so prevent any tendency to bend the shank
85 or to throw it out of alignment with the checkline, while the squared portion of the shank prevents any liability of the male member to turn upon its axis. The form of the male member shown in Fig. 3 differs from that
90 shown in Figs. 1 and 2 only in that the loop portion is turned at right angles to the plane of the head E, so as to bring the loop into a normally-vertical position for the attachment of the side check.
95

In a work-harness the threaded stem may be omitted and the flaring base extended in plate form and bolted to the saddle.

The parts of the hook as above described are few and simple. It may be manipulated
100 with each and can be furnished at a low initial cost, while at the same time it presents a neat attractive appearance and is very durable.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention.

5 Hence I do not wish to limit myself strictly to the construction herein set forth; but,

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

10 1. In a check-hook, the combination of a post having an elongated slot formed therein and a male member having a shank and a T-head, the T-head being of greater width and less thickness than the slot, so as to pass
15 through the slot when turned at an angle to their normal position and to be retained therein when in normal position, substantially as set forth.

20 2. In a check-hook, the combination of a post having an elongated slot therethrough and a concave seat on its rear face, and a male member having a shank and cross-head, the latter provided with a convex bearing-face to seat in the said recess in the post, sub-
25 stantially as set forth.

3. In a check-hook, the combination of a slotted post, a male member having a shank provided with a T-head and with a loop, and

a spring located between the T-head and loop to hold the male member in its seat in the 30 post, substantially as set forth.

4. In a check-hook, the combination of a slotted post and a male member having a shank provided with a cross-head, a loop, and with a squared portion adjacent to the cross- 35 head, and a spring on the shank between the loop and cross-head, and a bearing for the end of the spring toward the cross-head, said bearing having a sliding engagement with the shank, substantially as set forth. 40

5. In a check-hook, the combination of the slotted post with the screw-threaded stud and concave seats on its rear face, the male member having a shank with a loop at one end, a cross-head at the opposite end, and convex 45 bearing-faces on the wings of the cross-head, and a spring between the loop and cross-head, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscrib- 50 ing witnesses.

LEGORA ROONEY.

Witnesses:

EDWIN F. CARPENTER,
H. S. SLOAN.