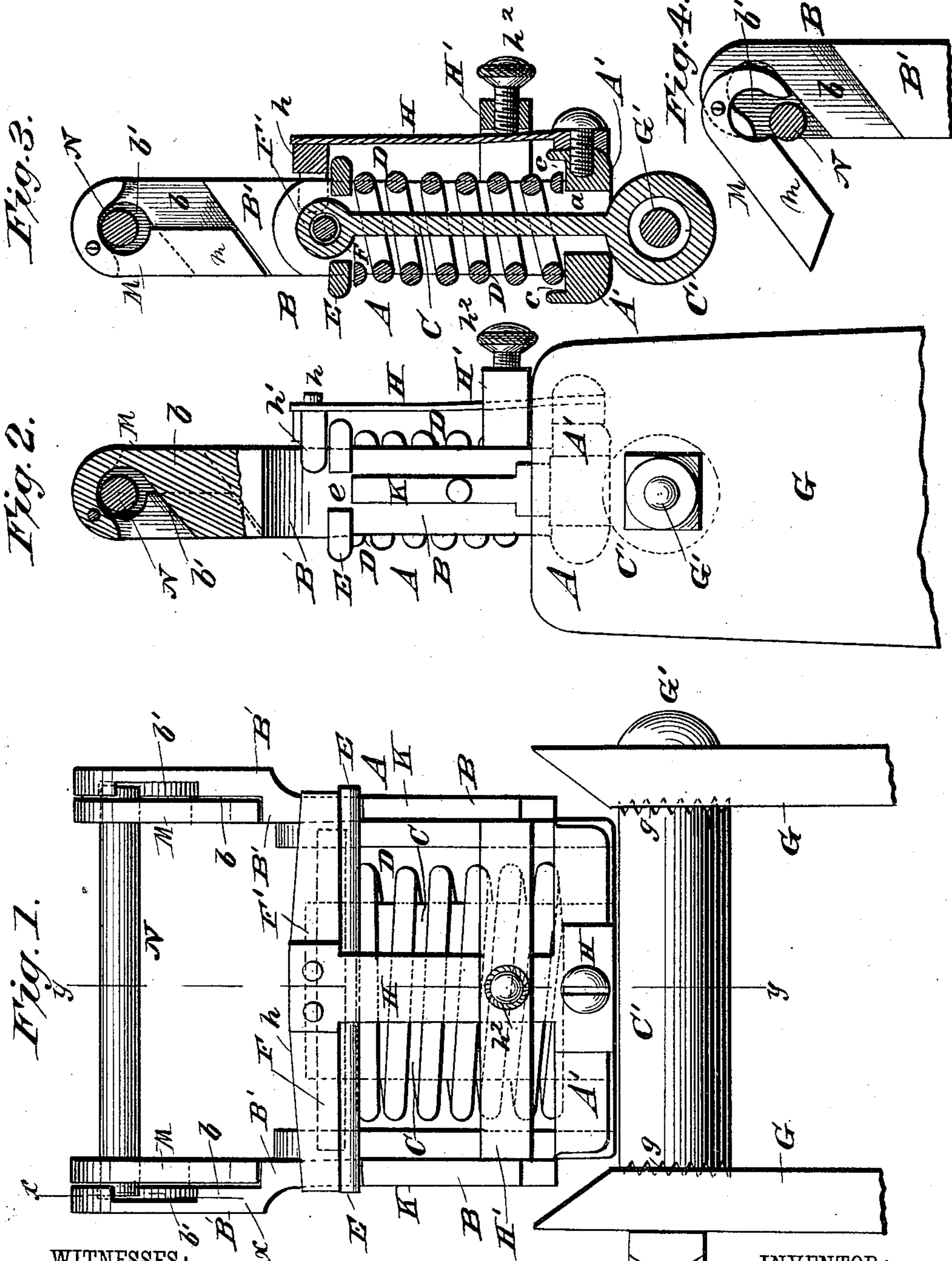


(No Model.)

J. C. WELCOME.
STIRRUP ATTACHMENT.

No. 379,747.

Patented Mar. 20, 1888.



WITNESSES:

Phil. C. Dietrich.
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UNITED STATES PATENT OFFICE.

JACOB C. WELCOME, OF FORT BIDWELL, CALIFORNIA.

STIRRUP ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 379,747, dated March 20, 1888.

Application filed October 24, 1887. Serial No. 253,211. (No model.)

To all whom it may concern:

Be it known that I, JACOB C. WELCOME, of Fort Bidwell, in the county of Modoc and State of California, have invented a new and Improved Stirrup Attachment, of which the following is a full, clear, and exact description.

My invention relates to an improvement in the detaching device set forth in the application for Letters Patent for an improvement in stirrup attachments filed April 23, 1887, allowed the 6th day of June, 1887, Serial No. 235,863, the object being to provide a stirrup attachment specially adapted for use by constant riders, such as stockmen and cow-boys, and to impart an easy motion to the rider, and wherein in the event of the rider being thrown and retained in the stirrup the weight of the reclining body will detach the stirrup from the saddle.

The invention consists in the construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of the attachment, and Fig. 2 a side (partly sectional) elevation of the same on line *x x* of Fig. 1. Fig. 3 is a central vertical and longitudinal section upon line *y y* of Fig. 1, and Fig. 4 is a detail view of the releasing device.

The frame A of the attachment is more or less rectangular, and consists of a lower bar, A', provided with a central longitudinal slot, *a*, and the flat side pieces, B, having their upper ends enlarged, as at B', and provided with a recess, *b*, upon the inner face, extending from side to side, the lower wall of which recess is inclined downward from front to back, and between the lower wall of the recess *b* and the upper end of the side pieces, B, a second or auxiliary recess, *b'*, is produced, which recess commences at a point near the outer edge of the side pieces, the side walls being extended at an inclination in diverging directions out through the inner edge of said side pieces.

The integral slot-shank C of the tubular stirrup-bar C' is passed up through the slot *a*

and encircled by a stout coil-spring, D, which I call, for convenience, the "main spring," the lower end of said spring resting upon the upper face of the bar A', which is recessed, as at *c*, Fig. 3, to receive the same.

Over the shank C a horizontal guide-plate, E, is entered to a bearing upon the upper portion of the main spring. The said guide-plate is made to embrace and slide upon the side pieces, B, and is provided centrally at each end with a vertical slot, *e*. (Shown in Fig. 2.) The guide-plate E at all times bears against the main spring D to contract the same, and the plate E is held in place on the shank C by a bolt, F, passing transversely through an eye, F', formed at the upper end of the shank C. (Shown in Figs. 1 and 3.)

The stirrup-bar C' is of a width equal to the inner width of the stirrup G, and is provided with a series of serrations, *g*, at each end, which are adapted to penetrate the sides of the stirrup, and, together with a bolt, G', passing through said stirrup and bar, effectually keep the stirrup in firm and immovable contact with the device.

A flat spring, H, is secured centrally to the lower bar, A', at the front, which spring is projected upward above the guide-plate E to a connection with a horizontal bar, *h*, having ends *h'* bent inward at right angles over the side pieces, B, the normal position of the said spring-bar being upon the upper and end surface of the aforesaid guide-plate E. A yoke, H', is secured to the side pieces, B, above the bottom of the spring H, and is provided centrally with a thumb-screw, *h*², whereby the tension of the said flat spring is regulated.

Centrally and longitudinally the outer face of each side piece, B, in alignment with the slot *e* in the guide-plate E, a headed button, K, is pivoted, adapted, when the head is turned downward, to permit vertical play of the guide-plate, but which, when the head of the button is placed immediately beneath the guide-plate, will hold the said plate E in a fixed position.

Upon the recessed surface *b* of each frame end B' a hook, M, is pivoted, the said hooks being adapted to face outward and substantially register with the upper wall of the auxiliary recess *h'*, as shown in Fig. 4, and the

shank *m* of the hook is carried downward across the inner end of the said auxiliary recess *b'* to a bearing upon the lower inclined wall of the main recess *b*.

5 The purpose of the hooks *M* is to retain a pin or bolt, *N*, within the auxiliary recesses *b'* transversely the frame *A*. To the said pin or bolt *N* the stirrup-leather is attached in any approved manner.

10 In operation the downward and inward tension upon the stirrup will keep the bolt *N* in its proper position when the rider is mounted; but should the rider be thrown the outward strain upon the stirrup will cause the hooks to swing out from the side pieces and free the
15 pin *N*.

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

1. In a stirrup attachment, the combination, 20 with the frame *A*, provided with enlarged upper ends, *B'*, having inner recesses, *b*, and auxiliary recesses *b'*, of the pivotal hooks *M*, all arranged substantially as shown and described.

2. In a stirrup attachment, the combination, 25 with the frame *A*, provided with enlarged upper ends, *B'*, having inner recesses, *b*, and auxiliary recesses *b'*, of the stirrup-rod *C'*, the integral shank *C*, main spring *D*, guide-plate *E*, the pivotal hooks *M*, and transverse detach- 30 able bolt *N*, all arranged substantially as specified.

JACOB C. WELCOME.

Witnesses:

F. G. HOLCOMB,
JOSEPH CARD.