

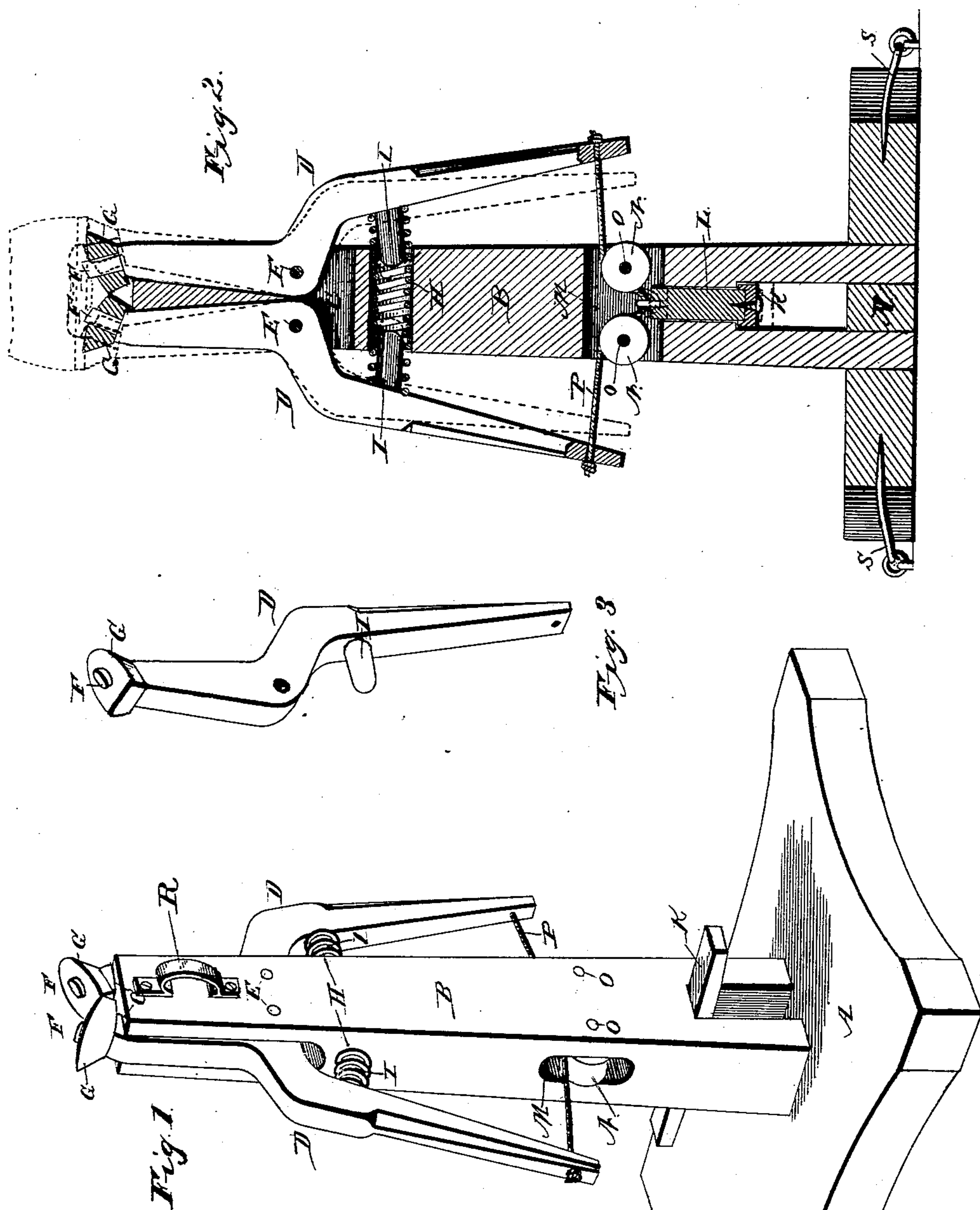
(No Model.)

A. N. GREEN & J. G. SUTTON.

HOOF HOLDER.

No. 391,893.

Patented Oct. 30, 1888.



Witnesses,
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UNITED STATES PATENT OFFICE.

ALFRED N. GREEN AND JASPER GERALD SUTTON, OF LEWISTOWN, OHIO;
SAID GREEN ASSIGNOR TO MARTHA E. SUTTON, OF SAME PLACE.

HOOF-HOLDER.

SPECIFICATION forming part of Letters Patent No. 391,893, dated October 30, 1888.

Application filed October 14, 1887. Serial No. 252,373. (No model.)

To all whom it may concern:

Be it known that we, ALFRED N. GREEN and JASPER GERALD SUTTON, citizens of the United States, residing at Lewistown, in the county of Logan and State of Ohio, have invented a new and useful Improvement in Hoof-Holders, of which the following is a specification.

Our invention relates to an improvement in hoof-holders for farriers' use; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a hoof-holder embodying my improvements. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detached perspective view of one of the jaws.

A represents the supporting base or board, which is preferably of the shape here shown, but may be of any suitable shape. At a suitable distance from one end of the said supporting base or board, and in the lateral center of the same, is secured the lower end of a standard, B. The upper end of this standard is provided with a vertical slot, C, which extends transversely across the standard, and in this slot are arranged the upper ends of a pair of clamping-jaws, D, the said clamping-jaws being fulcrumed upon bolts or pins E. The upper ends of the said clamping-jaws are provided with inwardly-inclined studs F. G represents a pair of heads, which are secured on the upper ends of the clamping-jaws, and are provided with vertical openings through which the studs F project. The said heads are substantially semicircular in shape, as shown, have their upper sides convex or rounded, and have their inner straight edges arranged opposite to each other. The studs F project a slight distance above the convex sides of the heads, as shown.

H represents a coiled extensile spring, which passes through a transverse opening made in the standard B at a suitable distance below the fulcrums E. The ends of this spring project beyond the sides of the standard, and engage studs I, which are formed on the inner opposing edges of the jaws D, the said spring serving to normally force the lower arms of

the said jaws apart, so as to close the upper end of the said jaws together.

K represents a lever-bar, which works in a vertical slot that is made in the lower end of the standard B, the said slot extending from the front side of the said standard to the rear side thereof, and the ends of the lever-bar projecting beyond the front and rear sides, as shown. To the upper side of this lever-bar, at the center thereof, is attached the lower end of a vertical rod, L, which rod works in a vertical opening in the lower portion of the standard. The said opening communicates at its upper end with a transverse opening, M, which is made in the standard, and in opposite sides of the said opening are arranged a pair of guiding-sheaves, N, which are journaled on bolts or pins O.

P represents a cord or rope, which is attached at its center to the upper end of the rod L, and has its ends passing over the driving-sheaves N and connected to the lower diverging arms of the jaws D.

The operation of our invention is as follows: After a shoe has been nailed to the hoof of the horse the horse is caused to place his foot on the heads G at the upper ends of the jaws D in such a position that the upper ends of the studs F will be on the inner sides of the shoe. The farrier then places his foot on the lever-bar K and bears downward on the same, thus causing the rope to be drawn downward, so as to move the lower arms of the jaws toward each other, and thereby spread the upper ends of the jaws apart and cause the studs F to firmly clamp against the inner sides of the shoe, and thereby hold the horse's hoof in position upon the upper ends of the clamping-jaws, as illustrated in dotted lines in Fig. 2. The farrier retains his pressure on the lever-bar with one foot, so as to keep the horse's hoof clamped on the heads G, and both of his hands are free to be used in clinching the nails which secure the shoe to the hoof or in rasping the hoof and trimming the same after the shoe has been firmly secured thereto. In order to release the horse's hoof it is only necessary for the farrier to take his foot from the lever-bar K, when the spring H instantly forces the lower ends of the clamping-bars from each

other, and thereby causes the upper ends of the said bars, having the heads G, to come together, and consequently release their hold of the shoe.

5 It will be readily understood by reference to Fig. 2 that no pressure whatever is exerted under the frog of the horse's hoof, and consequently the hoof-holder cannot possibly hurt the horse, no matter how tender-footed he
10 may be.

One end of the platform or base-board A is longer than the other, and this longer end is turned toward the horse when the device is in operation in order to prevent the horse from
15 overturning the device when his hoof is clamped thereto. A handle, R, is attached to the front side of the standard, near the upper end thereof, by means of which the hoof holder may be readily grasped and carried from one place to
20 another, and from the sides of the base-board project hooks S, which are adapted to be engaged with rings or hooks in the floor, so as to secure the base-board firmly in place and prevent the hoof-holder from being overturned
25 should the horse become unruly.

Having thus described our invention, we claim—

1. In a hoof holder, the clamping-jaws D, having the heads G at their upper ends and
30 the projections or studs F, extending above the upper sides of the said heads, substantially as described.

2. The combination, in a hoof-holder, of the standard B, the clamping-jaws pivoted thereto,
35 and having the heads G and studs F at their upper ends, for the purpose set forth, the spring to normally force the upper ends of the clamping-bars together, and the lever connected to

the clamping-bars and adapted to expand the upper ends of the same, substantially as described. 40

3. In a hoof-holder, the combination of the pivoted clamping-jaws D, having the inwardly-inclined studs F at their upper ends, and the heads G, having the openings to receive
45 the said studs, whereby the said heads are secured to the upper ends of the jaws, substantially as described.

4. In a hoof-holder, the clamping-jaws B, having the heads G at their upper ends, which
50 heads have the convex upper sides, and the studs F, projecting above the convex upper sides of the said heads, substantially as described.

5. The combination of the base-board A, the
55 standard B, secured thereto at a suitable distance from one end, the clamping-jaws D, fulcrumed to the said standard and having the heads G, and the studs F at their upper end, the spring to normally force the lower arms of the
60 clamping jaws apart, the vertically-movable lever-bar K, operating in a vertical slot in the lower end of the standard, the guiding-sheaves arranged in openings in the sides of the standard, and the rope connecting the operating
65 lever-bar to the lower arms of the clamping-bars, all combined and adapted to operate substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures
70 in presence of two witnesses.

ALFRED N. GREEN.

JASPER GERALD SUTTON.

Witnesses:

E. L. M. MILLER,

C. A. BROWN.

It is hereby certified that Letters Patent No. 391,893, granted October 30, 1888, upon the application of Alfred N. Green and Jasper Gerald Sutton, of Lewiston, Ohio, for an improvement in "Hoof-Holders" were erroneously issued to said Jasper Gerald Sutton and Martha E. Sutton; that said Letters Patent should have been issued to said *Alfred N. Green* and *Martha E. Sutton*, said Martha E. Sutton being assignee of said Jasper Gerald Sutton instead of said Alfred N. Green, and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 27th day of November, A. D. 1888.

[SEAL.]

D. L. HAWKINS,
Assistant Secretary of the Interior.

Countersigned:

BENTON J. HALL,
Commissioner of Patents.