(No Model.)

W. NICHOLLS.

SPUR.

No. 397,304. Patented Feb. 5, 1889.

Fig. 1

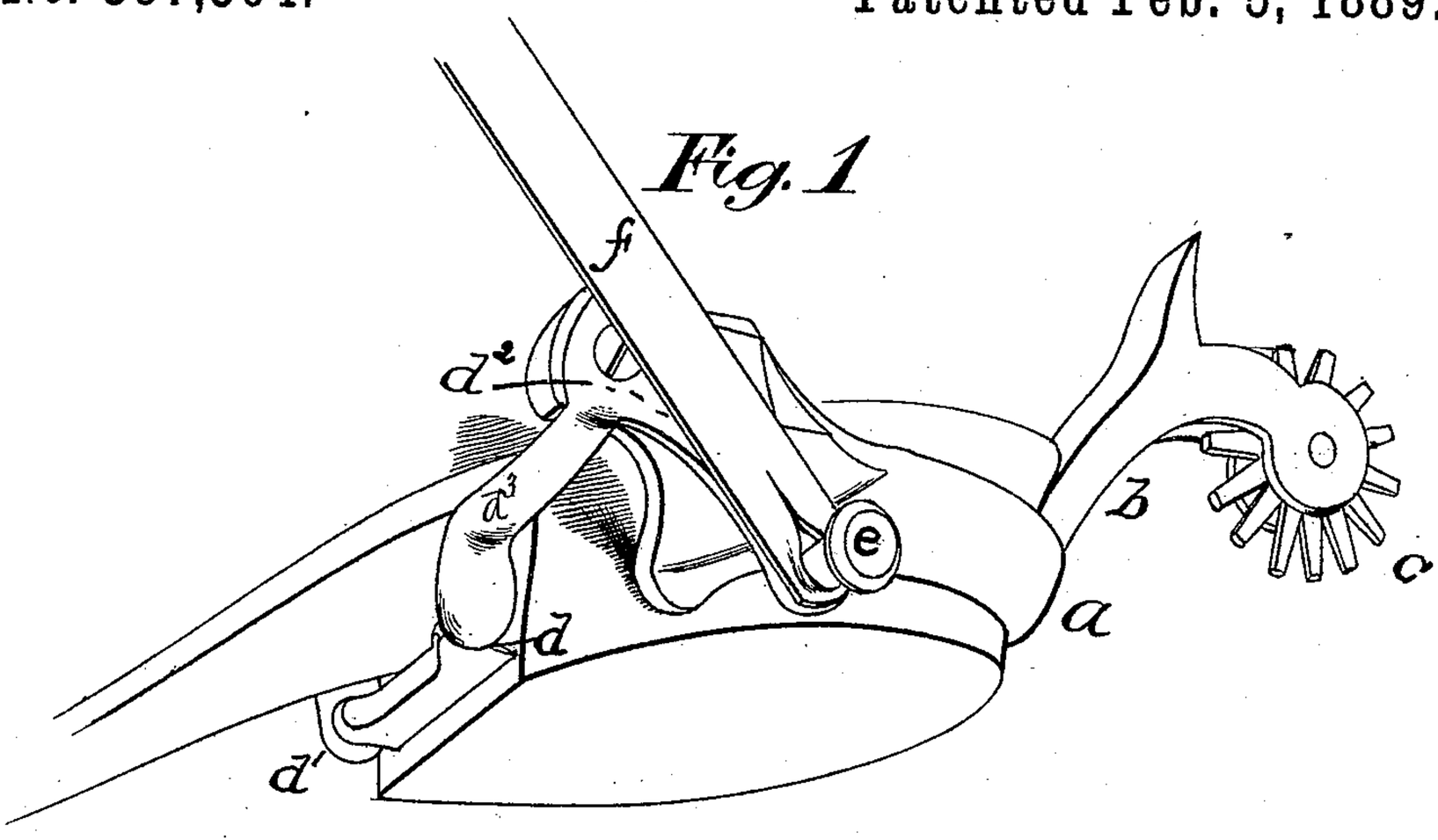
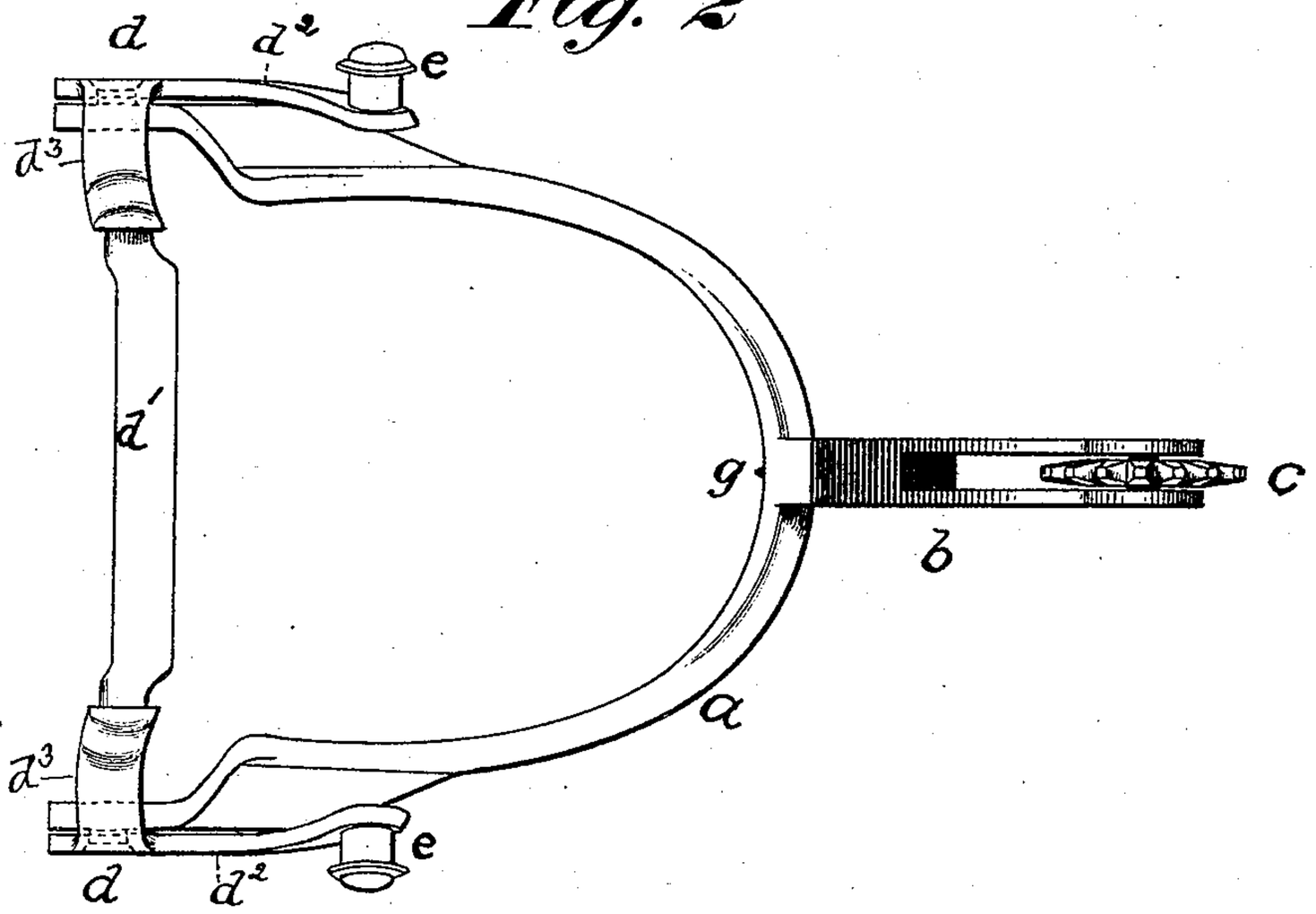


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

WALTER NICHOLLS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR OF ONE-HALF TO JAMES H. FRANCIS, OF SAME PLACE.

SPUR.

SPECIFICATION forming part of Letters Patent No. 397,304, dated February 5, 1889.

Application filed August 16, 1888. Serial No. 282,879. (No model.)

To all whom it may concern:

Be it known that I, WALTER NICHOLLS, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Horsemen's Spurs, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a spur that may be conveniently fixed upon the heel of the wearer and at the same time and by the same means be securely clamped thereon.

To this end my improvement consists in the combination of the spur-bow, the lever-clamp pivoted to the bow, and the spur-securing strap.

It further consists in the combination of the spur having the bow and pin on the inner side of the arch of the bow, the lever-clamp pivoted to the inner ends of the bow, and the strap extending over the instep of the wearer between the ends of the lever-clamp, to which it is secured; and it further consists in the details of the several parts of the spur and their combination, as more particularly hereinafter described, and pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective view illustrating the position of the spur and method of securing it to a boot. Fig. 2 is a detail bottom view of the spur.

In the accompanying drawings, the letter *a* denotes the bow or frame of the spur, that may be made of any suitable material, usually of a composition of metals having the stem *b*, with the rowel *c* projecting rearward from the center of the bow in the usual manner.

To the inner ends of the bow is pivoted a lever-clamp, *d*, having the oppositely-turned arms d^2 d^3, the arms d^3 being united by a clamping-bar, *d'*, which sets under the shank of the boot and engages the inner wall of the heel. To the free ends of the lever-clamp are strap-attaching devices *e*, to which is connected the fastening-strap *f*. The fastening devices *e* may be buttons, as shown, or may consist of a slot cut through the lever, or they may be of any other convenient construction. The strap *f* is attached to the rearward ends of the lever and is buckled in the usual manner over the instep of the boot.

When the spur is in position on the heel, the pin *g* on the inner side of the rear part of the bow is thrust into the back of the heel, while the blade or bar *d'*, that is preferably somewhat sharp, is forced against the inner side of the heel by the pull upon the strap *f* in such manner as to securely clamp the spur upon the heel and prevent it from slipping downward. The greater the tension upon the strap *f* the greater will be the binding force of the lever-clamp upon the heel.

I claim as my invention—

1. In a spur, the combination of the spur-bow, the lever-clamp pivoted to the inner ends of the bow and formed with the oppositely-turned arms and clamping-bar *d'* to engage the shank and heel of the boot, and the fastening-strap attached to the ends of the lever-clamp, substantially as described.

2. In a spur, the combination of the spur-bow having the inwardly-projecting pin *g*, the lever-clamp pivoted to the inner ends of the bow and formed with the oppositely-turned arms and clamping-bar *d'* to engage the shank and heel of the boot, and the fastening-strap attached to the free ends of the lever-clamp, substantially as described.

WALTER NICHOLLS.

Witnesses:
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