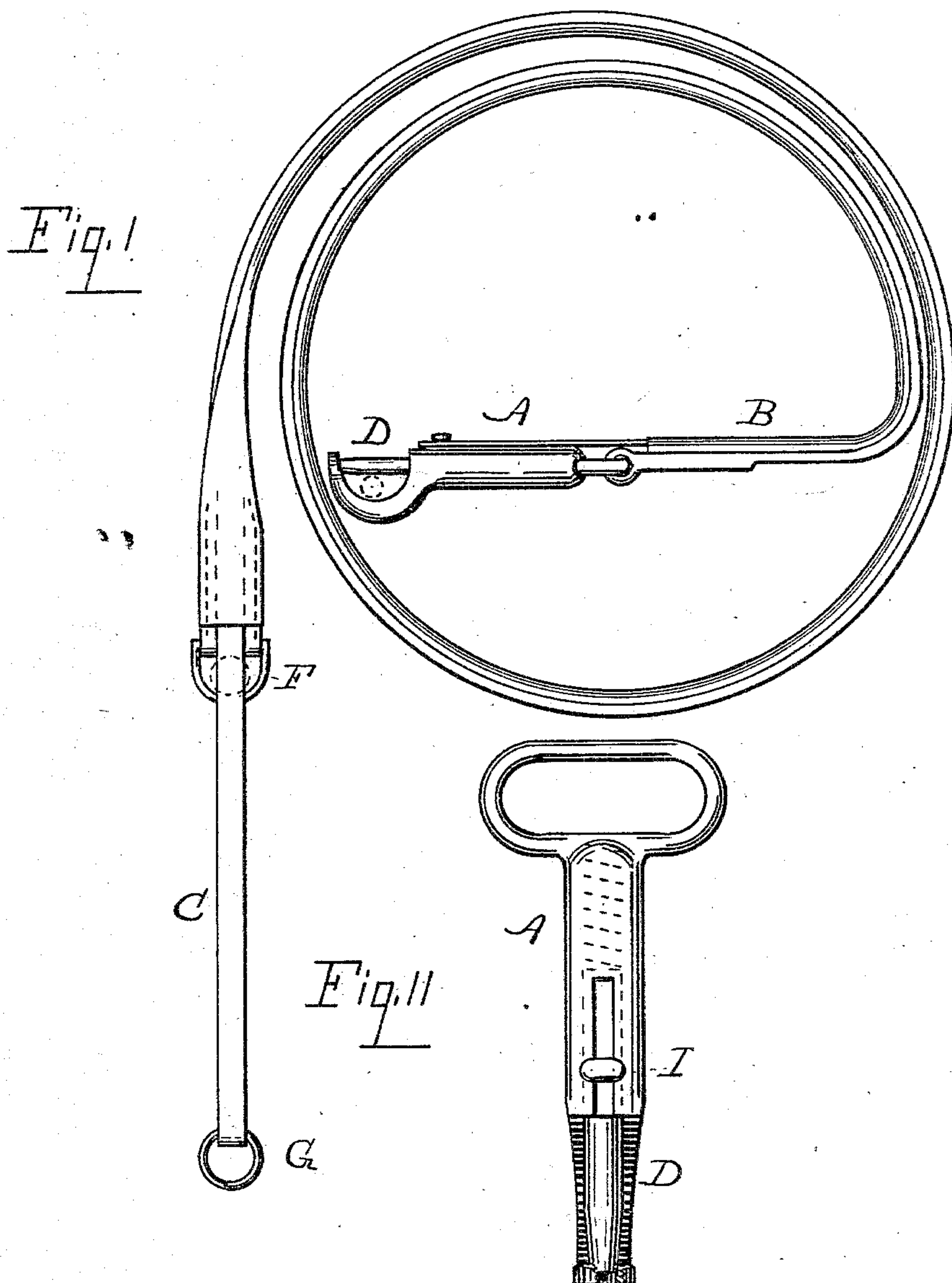


(No Model.)

C. MARQUARDT.  
DETACHABLE HITCHING DEVICE.

No. 296,764.

Patented Apr. 15, 1884.



WITNESSES:

*B. A. Pickering,*  
*Leopold Leibold*

INVENTOR

*Charles Marquardt*  
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ATTORNEY

# UNITED STATES PATENT OFFICE.

CHARLES MARQUARDT, OF DAYTON, OHIO.

## DETACHABLE HITCHING DEVICE.

SPECIFICATION forming part of Letters Patent, No. 296,764, dated April 15, 1884.

Application filed September 11, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES MARQUARDT, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented an Improved Detachable Hitching Device; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in detachable hitching devices used for hitching horses in steam-fire-engine houses. The construction is such that with two straps—one directly connected to the snap-hook and the other with the bolt of the same—the horse re-  
15 leases himself by a forward movement when the door of his stall is opened. The object is attained by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the snap-hook and the strap-connections. Fig. 2 is a top  
25 view of the full-sized snap-hook.

Like letters designate like parts throughout both views.

The general features of the snap-hook are like those in use. The peculiarities of this construction are the angle of the points of the hook and the orifice of the same to receive the end of the bolt.

A is the snap-hook, consisting of the hook with orifice for the bolt D, and loop for the strap B and cylindrical body. In the body is an orifice nearly the length of the same for

the bolt and the spiral spring behind it, and on the front surface is a slot for the button I, attached to the bolt, and to which is connect-  
40 ed the strap C. The leather strap B consists of two thicknesses. The thick part is sewed into the loop of the snap-hook, and attached to the other end is the ring F. The thin part serves only as a sheath for the inclosed strap. To the end of this strap is likewise a ring, G,  
45 which, when in use, is fixedly attached.

The use of this device is to hitch horses in their stalls in steam-fire-engine houses, and the operation is thus: The snap-hook is attached to the bit or halter ring, the end of the strap being passed over a pin in the jamb of the stall-  
50 door, (see dotted lines,) and the closing of the door against said pin makes the hitching secure, the strap C being fixedly attached to said jamb. When the door is opened, the horse  
55 rushes forward, the bolt being held by the detaching-strap. The horse is freed or unhitched by his own movement.

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

The snap-hook A, with support for the bolt in the point of the hook, in combination with the hitching-strap B and detaching-strap C,  
65 attached to bolt of said snap-hook, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES MARQUARDT.

Witnesses:

B. PICKERING,

SUMNER T. SMITH.