

J. Way,

Hitching Device.

No. 81311.

Patented Aug. 18. 1868.

Fig. 1

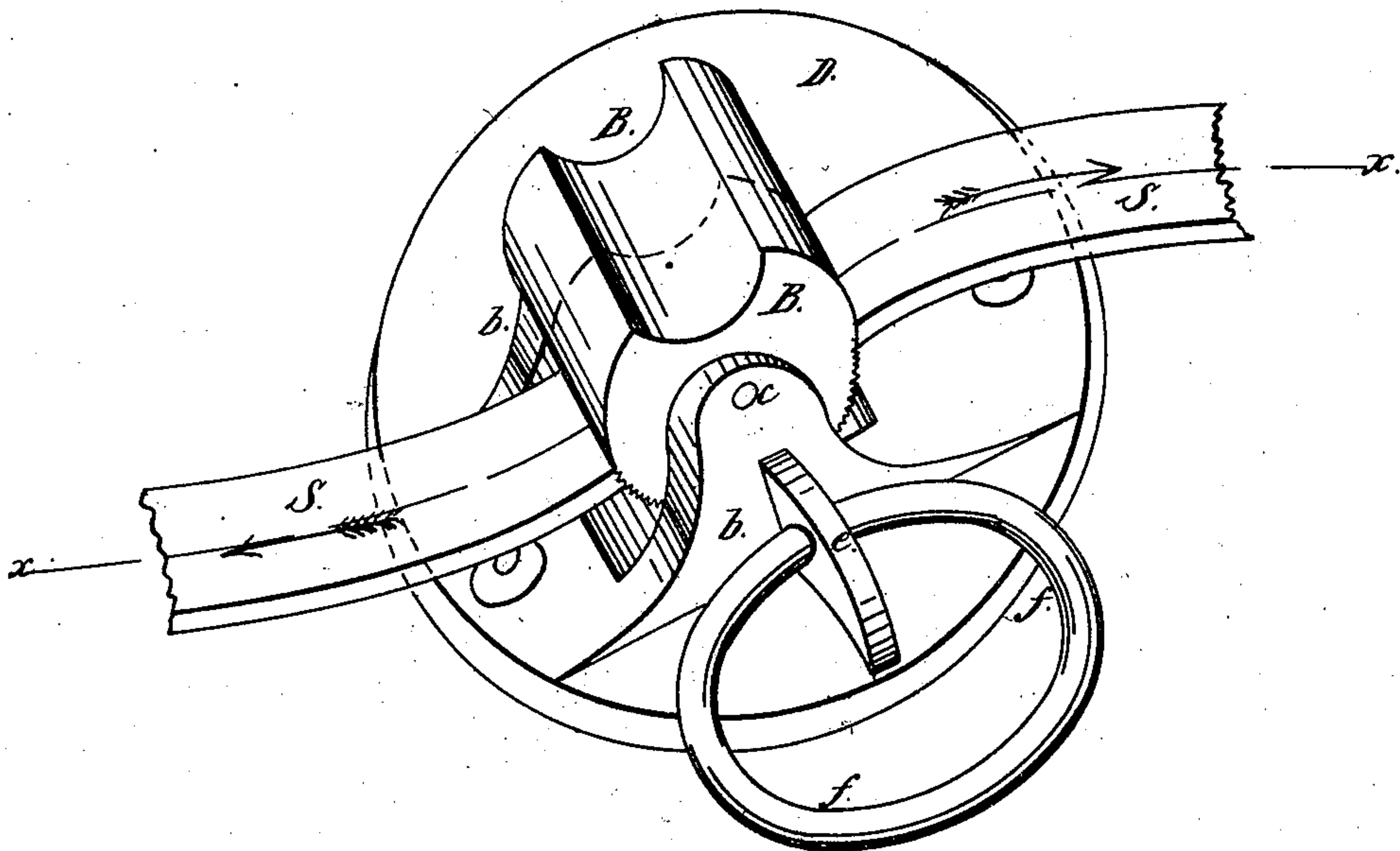
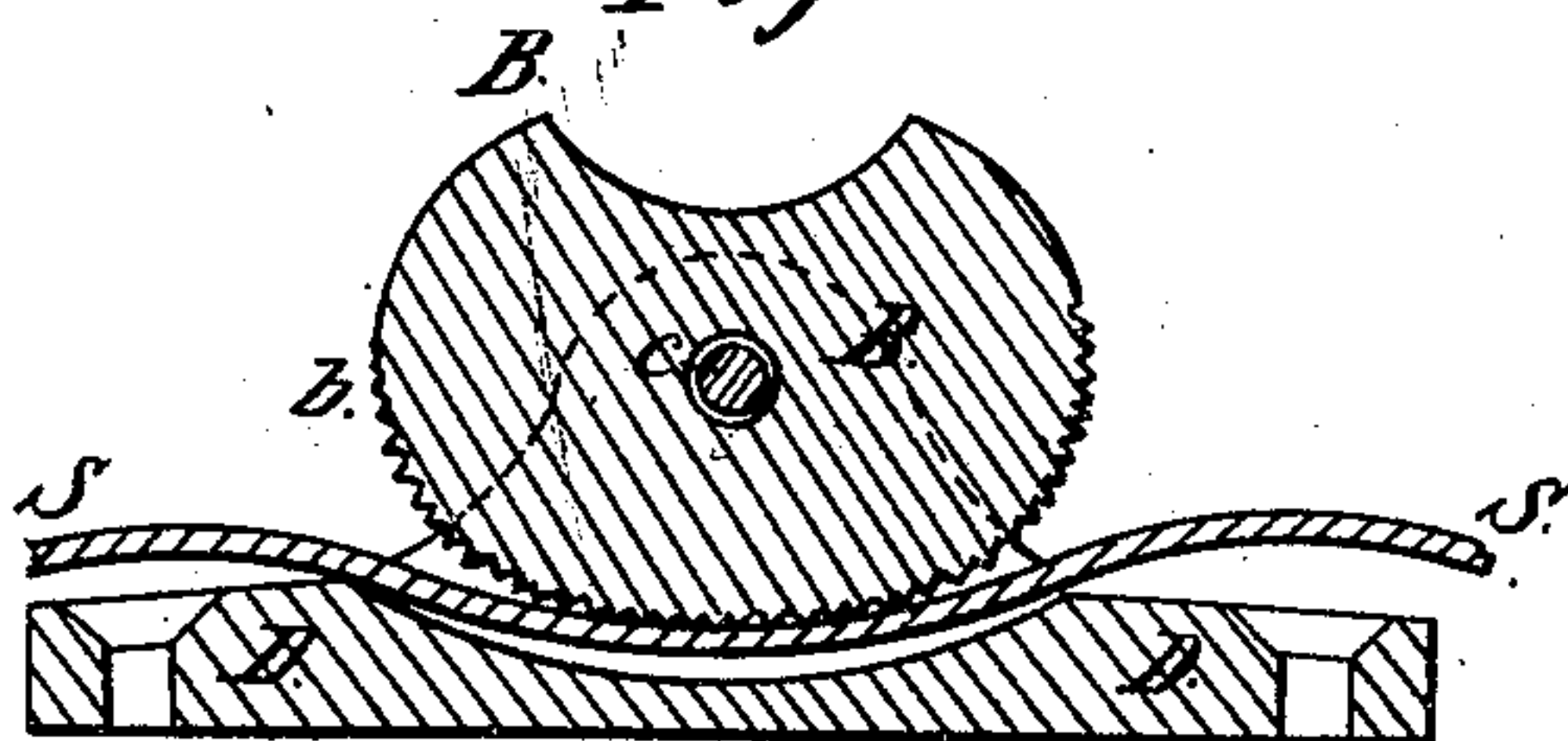


Fig. 2



Witnesses.

Charles Scott
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Inventor.

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United States Patent Office.

JOHN WAY, OF WATERBURY, CONNECTICUT.

Letters Patent No. 81,311, dated August 18, 1868.

IMPROVED STRAP-HOLDING DEVICE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN WAY, of Waterbury, of New Haven county, in the State of Connecticut, have invented certain new and useful "Improved Strap-Holding Device;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this application.

My invention relates to a new and useful improvement in devices for holding a hitch-rein halter, or other strap, and has for its object to provide a simple and effective means of holding the strap securely, no matter in which direction the latter may be pulled.

Previous to my invention, a hitching-device or strap-holder has been made, composed of a cam or eccentric-button, so pivoted in a frame or stand that, when a strap was inserted between said cam and the cam-plate, and then pulled in a certain direction, the cam would wedge on to or cramp the strap between itself and the plate, and prevent the extrication of the strap when so pulled; but in such kind of devices the strap could be pulled out in an opposite direction.

I propose to make a strap-holder or clamping-device in such a manner that the strap cannot be disengaged at all, when once inserted, except by holding the cam in a certain position or adjustment while withdrawing the strap.

And my invention consists in the employment, in combination with a suitable holder-plate, of a double-acting cam or button, so constructed and operating as to be brought to bear upon and gripe the strap, in either direction in which the latter may be drawn, as will be hereinafter more fully explained.

To enable those skilled in the art to make and use my invention, I will proceed to describe it more particularly, referring by letters to the accompanying drawings, in which—

Figure 1 is a perspective view of an apparatus embodying my invention, and adapted to be used on a hitch-post, or to hitch horses to, and

Figure 2 is a section at $x x$, fig. 1, of the same.

In the several figures the same part is designated by the same letter of reference.

D is a cast-iron plate, having formed on it ears $b b$, between which is hung, on a pivot, c , a peculiarly-shaped double-acting cam or eccentric-button, B, (the form of which is clearly illustrated by the drawing.)

The plate D is so shaped as to conform to the face of the cam B, when the latter is in position shown, (see fig. 2,) and the face of said cam B may be serrated, as shown, to render it more effective, if found expedient or necessary. S illustrates a portion of a strap as applied to the holding-device.

It will be understood that the operation of the apparatus is as follows, viz:

The cam or eccentric-button B being held in the position seen at fig. 2, a strap, S, may be readily inserted (as shown) from either direction between the serrated cam-face and plate D, but the moment the strap is pulled, in either direction, the said cam B will turn on its pivot, and bite against or cramp the strap S tight between its serrated face and the face of plate D, and the harder the strap is pulled, the faster it will be held.

It will be understood that if the strap, when firmly held, by being pulled in one direction, be pulled in an opposite direction, the cam B will be reversed, and will then gripe the strap with equal effectiveness in the other direction, so that, no matter which way the strap be pulled, the cam will clamp upon it and securely hold it.

When it is desired to release the strap, it is only necessary to gently pull the strap, in one or other direction, to relieve the gripe of the cam, and then hold said cam B in the position seen at fig. 2, when the strap may be freely withdrawn.

It will be seen that a device, such as shown, may be used with great advantage for hitching horses.

The plate D may be formed and adapted to be screwed or otherwise fastened on top of a hitch-post, or to be fastened up to a wall, or to any part of a stable.

I have shown the stand D, made with a projection e , into which is fitted an ordinary ring, for the convenience of securing or hitching a rope or chain, (which could not be fastened in the cam-fixture,) and which might be useful in hitch-post apparatus. Of course the apparatus or device may be varied in its arrangement

of parts and adaptation to different uses or purposes, without departing from the spirit of my invention, so long as it is so constructed as to operate substantially as hereinbefore described.

Having fully explained the nature of my invention, and wishing to be understood as not limiting my claim of invention to any precise form or adaptation of the device, what I claim as new, and desire to secure by Letters Patent, is—

A holding-device, composed of a double-acting cam or eccentric-button, in combination with a suitable bearing-surface, the whole operating substantially in the manner described for the purpose set forth.

In testimony whereof, I have hereunto set my hand and seal, this 19th day of June, 1868.

JOHN WAY. [L. s.]

Witnesses:

H. D. BOUGHTON,
GEORGE L. FIELD.