

J. HERKIMER.

Rein Holder.

No. 104,308.

Patented June 14, 1870.

Fig. 1.

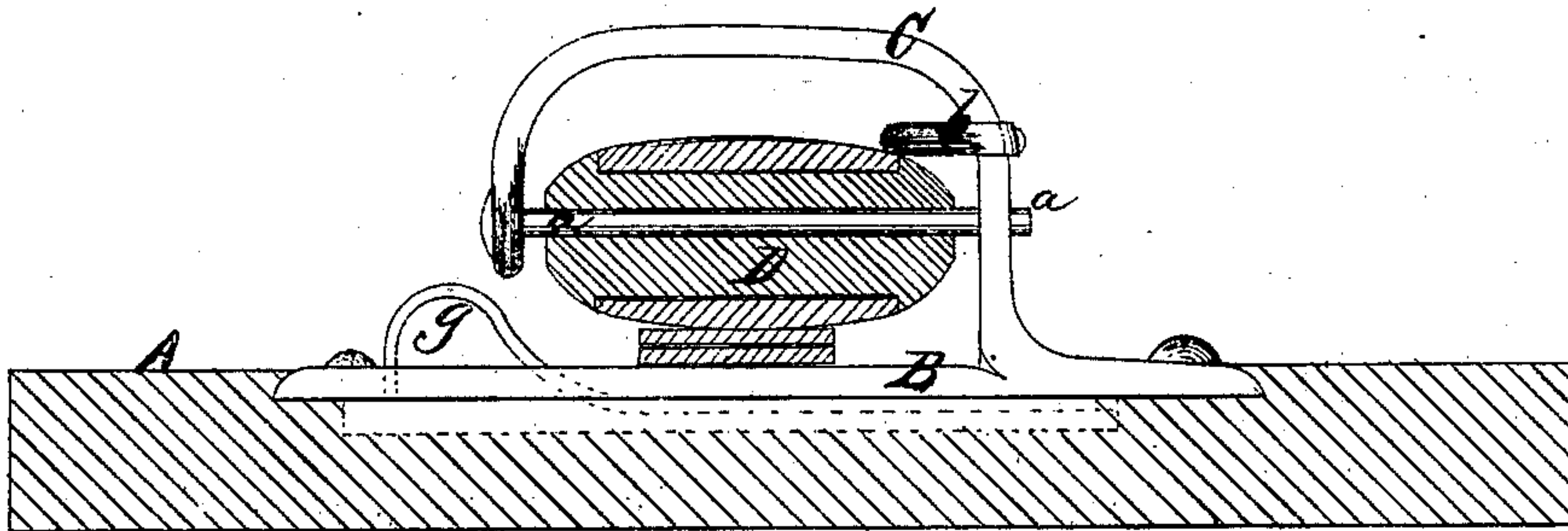
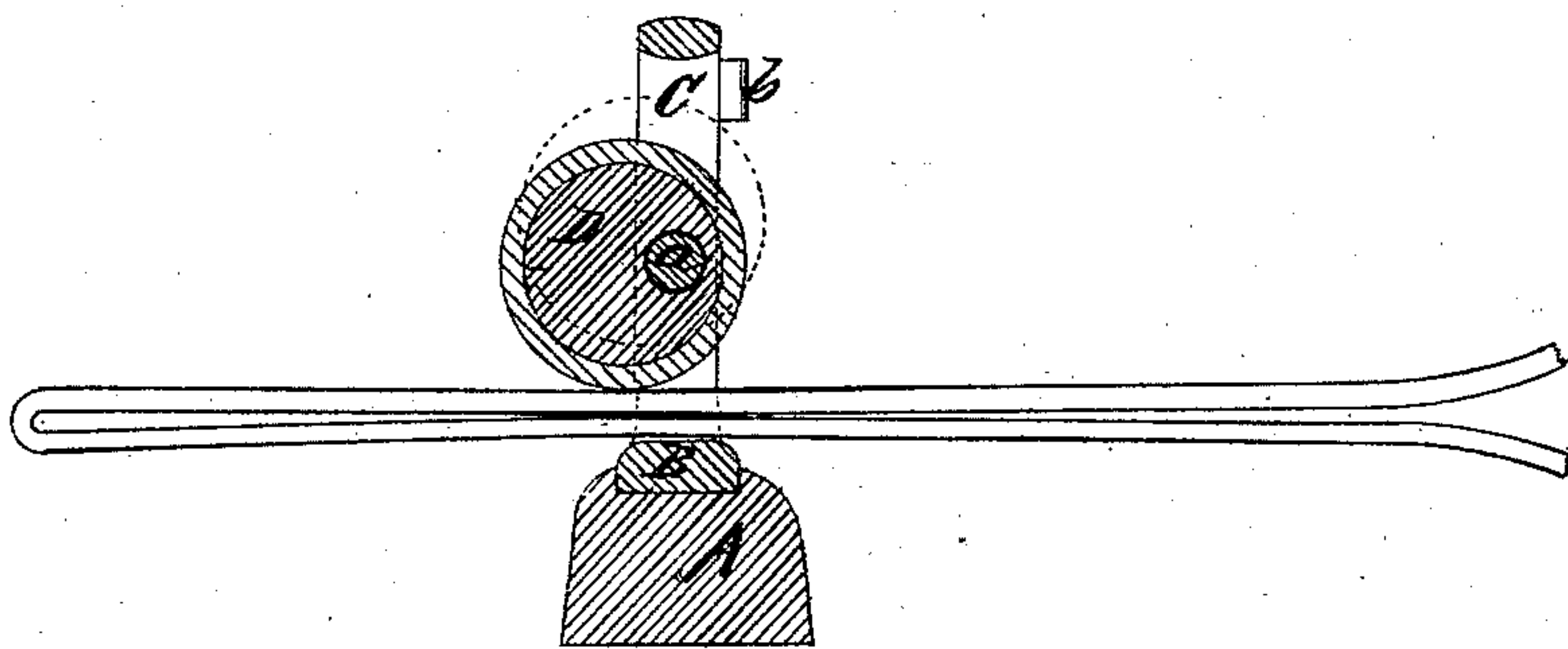


Fig. 2.



Witnesses
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JACOB HERKIMER, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 104,308, dated June 14, 1870.

IMPROVEMENT IN REIN-HOLDER.

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, JACOB HERKIMER, of the city and county of San Francisco, State of California, have invented an Improved Rein-Holder; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention and improvements without further invention or experiment.

My invention relates to an improved device for holding the guiding-reins, by which the movements of horses under harness or saddle are controlled.

The rein-holder is intended to grasp the reins, and hold them in a fixed position, at times when it is not necessary for the driver or rider to guide the horses, and thus relieve the strain upon the hands consequent upon keeping them in a cramped position for a great length of time.

The device consists of an elastic eccentric roller, placed horizontally in front of the driver, or any place most convenient, and so arranged as to receive the reins by turning it a short distance, when it will, by its own weight, fall, so as to firmly bind them between it and the plane surface beneath.

In order to more fully illustrate and explain my invention, reference is had to the accompanying drawing forming a part of this specification, in which—

A represents a section of the dash-board or other part of a vehicle to which it is desired to secure the rein-holder.

The plate B may be secured by means of screws, or otherwise, to the portion of the vehicle to which it is desired to attach the device.

C is a rod or other piece of metal, secured to or forming a part of the plate B, extending upward from it, and bent twice, so that its opposite end will project downward, leaving a sufficient space to introduce the reins, as shown.

Bearing in the two opposite vertical sides of this rod or other piece of metal is a shaft or, preferably, a screw, *a*, upon which a roller or other circular body, D, is placed eccentrically, so as to revolve about the shaft or screw.

The roller D is either covered with, or has an elastic band encircling it, or it may be made entirely of India rubber.

Secured to the rod C, upon either of its vertical parts, and upon the side furthest from the driver, is a guard, *b*, which limits the revolution of the roller, and prevents it from turning completely over, so that, after it has been raised or partially turned by the introduction of the reins beneath it, it will fall back of its own weight, and bind them.

A guard, *g*, is made to project from the plate B, at a point a little beyond the downward-projecting end of the rod C, (or outer end of the roller D,) to prevent the reins from slipping out laterally from under the roller. This guard or stop *g* may be of any suitable shape, and either be secured immovably to the plate B, forming a part thereof, or be made to work through a slot therein, and be attached to a spring beneath, as illustrated by the dotted lines in fig. 1.

Instead of extending and bending the supporting-rod or bar C up over the roller D, to afford a bearing and support for the outer end of its axis, I contemplate cutting off said rod or bar just above the stop *b*, over the bearing or support of the inner end of the shaft or screw-bolt *a*, leaving the outer end of said shaft without support.

In such case I make the upright bar C somewhat thicker or heavier, so as to give a wider, firmer hold and bearing to the inner end of the shaft *a*.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. An elastic eccentric roller, combined with a bed-plate or bar parallel to its axis, and with a suitable standard for the support of said axis, substantially as and for the purpose herein set forth.

2. In combination with the eccentric roller D, the guard *b*, for limiting the revolution of said roller and insuring its action, substantially as specified.

3. The guard *g*, combined with the elastic eccentric roller D, and its parallel bed-plate or bar B, substantially in the manner and for the purpose herein set forth.

In witness whereof I have hereunto set my hand and seal.

JACOB HERKIMER. [L. s.]

Witnesses:

WM. R. BOONE,
GEO. H. STRONG.