

(No Model.)

A. BURSON.

SAFETY BAR ATTACHMENT FOR VEHICLE POLES.

No. 277,676.

Patented May 15, 1883.

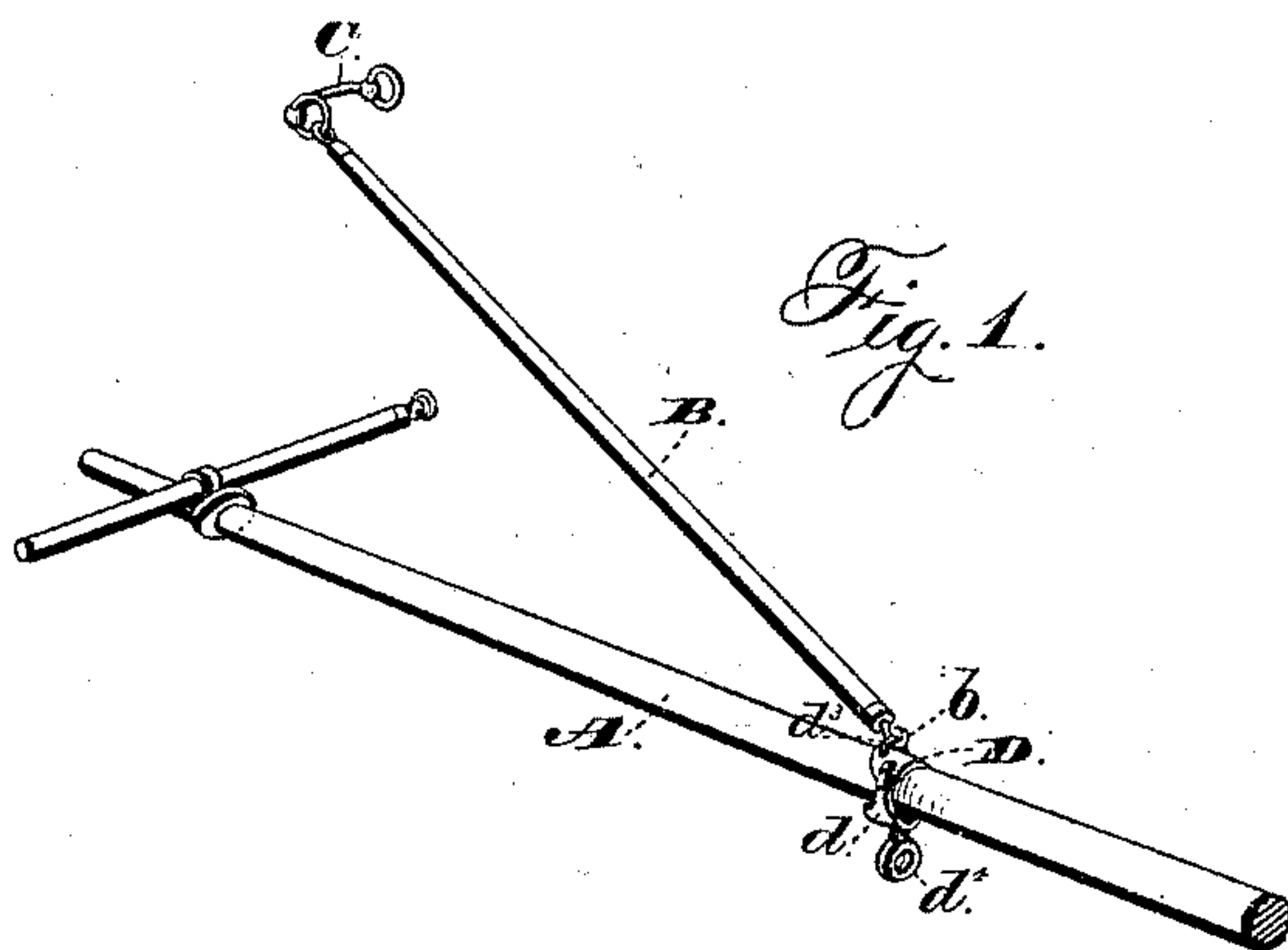
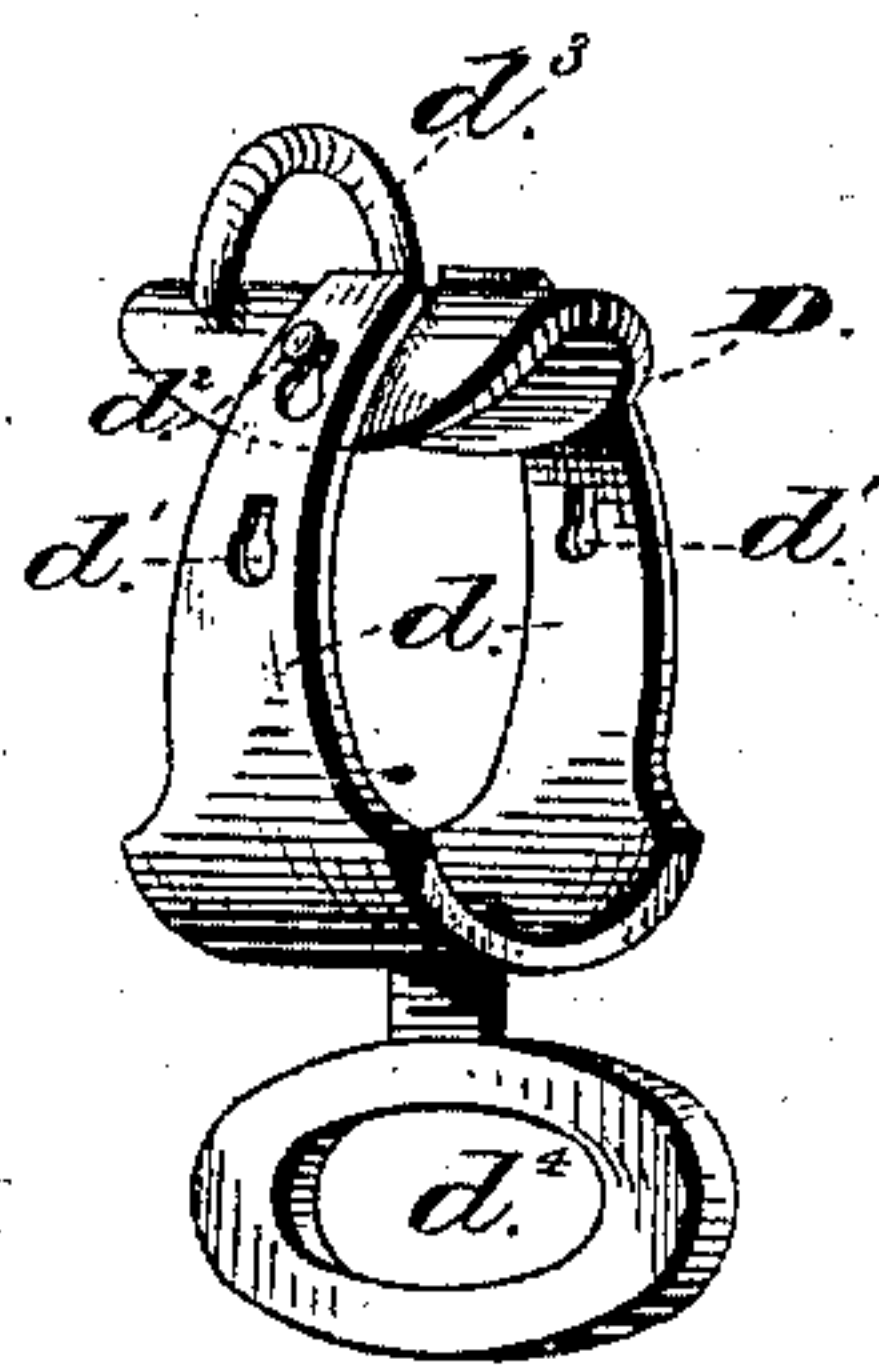


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SAFETY-BAR ATTACHMENT FOR VEHICLE-POLES.

SPECIFICATION forming part of Letters Patent No. 277,676, dated May 15, 1883.

Application filed March 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, AMOS BURSON, of East Palestine, in the county of Columbiana, and in the State of Ohio, have invented certain
5 new and useful Improvements in Safety Devices for Horses; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this
10 specification, in which—

Figure 1 is a perspective view of my apparatus as applied to the pole of a carriage, and Fig. 2 is a like view of the same enlarged and separated from said pole.

15 Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to permit of the adjustment of the point of connection with the pole or shaft of a carriage of a safety-bar that extends between and is attached to the
20 bit of a horse; and to this end said invention consists, principally, in combining with the rear end of the safety-bar a pivotal connection, which is adapted to be moved lengthwise of and secured upon the pole or shaft,
25 substantially as and for the purpose hereinafter specified.

It consists, further, in a pivotal adjustable bearing for the rear end of the safety-bar,
30 which is capable of contraction or expansion to adapt it to poles or shafts that have different diameters, substantially as and for the purpose hereinafter shown.

It consists, finally, in the construction and
35 combination of the parts of the clip-bearing, substantially as and for the purpose hereinafter set forth.

In the annexed drawings, A represents the pole of a carriage, to which, at a point mid-
40 way between its ends, is pivoted one end of a bar, B, which bar extends from thence forward and upward to the bit C of the horse and has its front end connected therewith.

The device described is intended for use
45 with vicious horses, and effectually prevents them from kicking; but in order that it may be easily placed in position and changed to adapt it to different horses it is necessary that its rear pivotal bearing should be adjust-
50 able. To effect such object the bearing is composed of a plate, D, that rests upon the upper side of the pole A, and a strap, d , which encircles the lower side of said pole, and is provided within each end with two or more
55 openings, d' , by which such end may be passed

over and caused to engage with a stud, d^2 , that projects from the corresponding end of said plate D, such arrangement enabling the space inclosed by said plate and strap to be varied at will to adapt the device to poles
60 having different diameters. The plate D is provided with an eye, d^3 , for engagement by a hook, b , upon the rear end of the bar B, and within the lower side of the strap d is a set-screw, d^4 , which may be turned upward
65 and caused to impinge upon the lower side of the pole A for the purpose of locking the bearing in place.

The device described is used as follows, viz: The front end of the bar B is connected with
70 the bridle of the horse, and to its rear end is connected the eye d^3 of the plate D, after which said plate is placed upon the pole A, the strap d is placed around the lower part of the latter and its ends hooked upon the
75 studs, and the entire bearing is then moved lengthwise of said pole and secured in position by means of the set-screw d^4 .

As constructed, the device described is easily and quickly adapted to and secured upon
80 any ordinary pole or shaft, and may be readily adjusted to and fastened in such position lengthwise of the same as to render most efficient the operation of the safety-bar.

Having thus fully set forth the nature and
85 merits of my invention, what I claim as new is—

1. In combination with the rear end of the safety-bar, a pivotal connection which is adapted to be moved lengthwise of and secured upon
90 the pole or shaft, substantially as and for the purpose specified.

2. A pivotal adjustable bearing for the rear end of the safety-bar, which is capable of contraction or expansion to adapt it to poles or
95 shafts that have different diameters, substantially as and for the purpose shown.

3. The hereinbefore-described adjustable pivotal bearing, consisting of the plate D, provided with the studs d^2 and eye d^3 , the strap
100 d , having the openings d' , and set-screw d^4 , passing through the lower portion of said strap, all combined to operate substantially as and for the purpose set forth.

In testimony that I claim the foregoing I
105 have hereunto set my hand this 15th day of March, 1883.

Witnesses:

AMOS BURSON.

GEORGE YOUNG,

WILLIAM M. SAINT.