

No. 865,757.

PATENTED SEPT. 10, 1907.

A. BOYD.
CURB SAFETY HITCH.
APPLICATION FILED APR. 2, 1907.

Fig. 1.

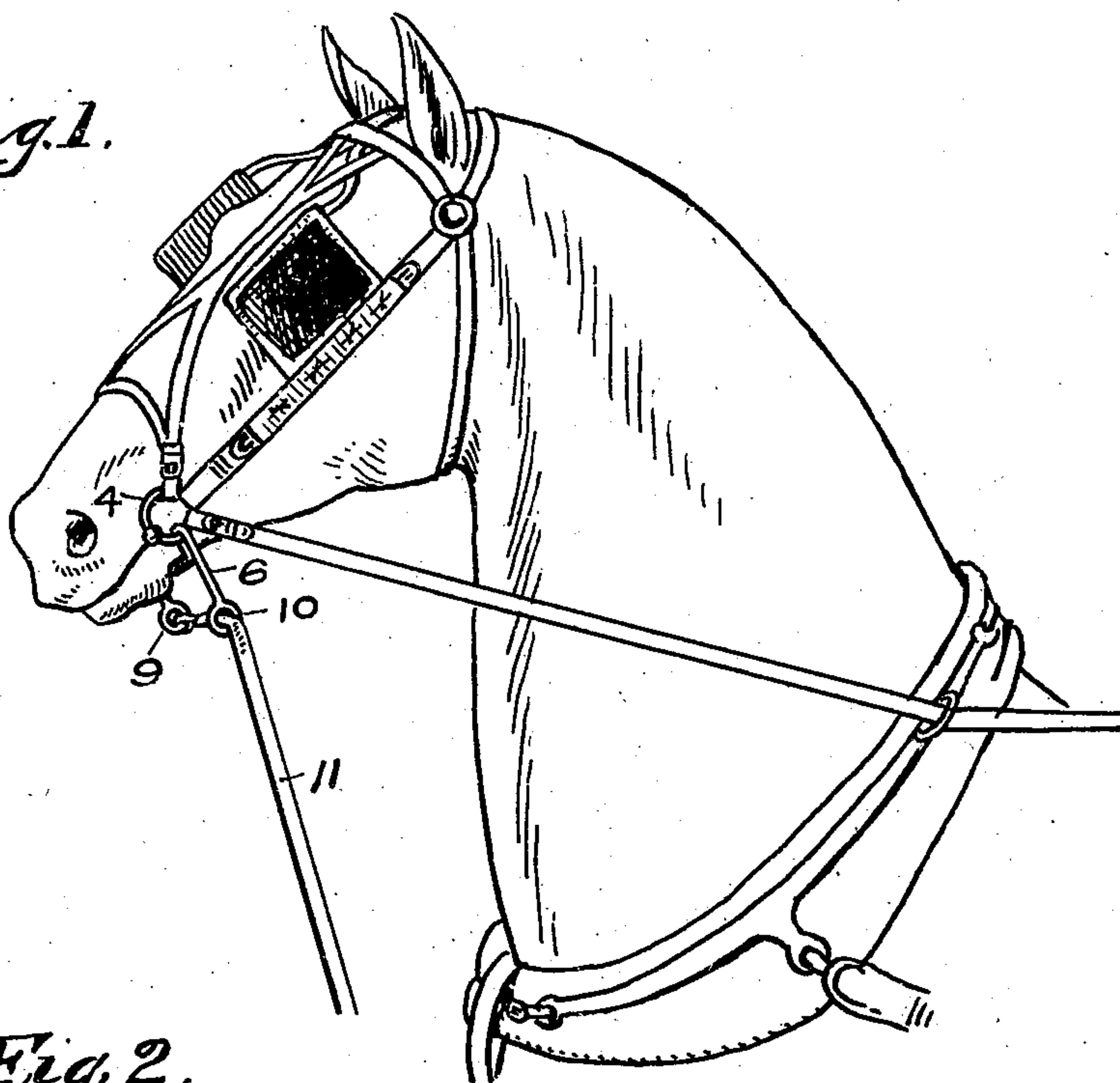


Fig. 2.

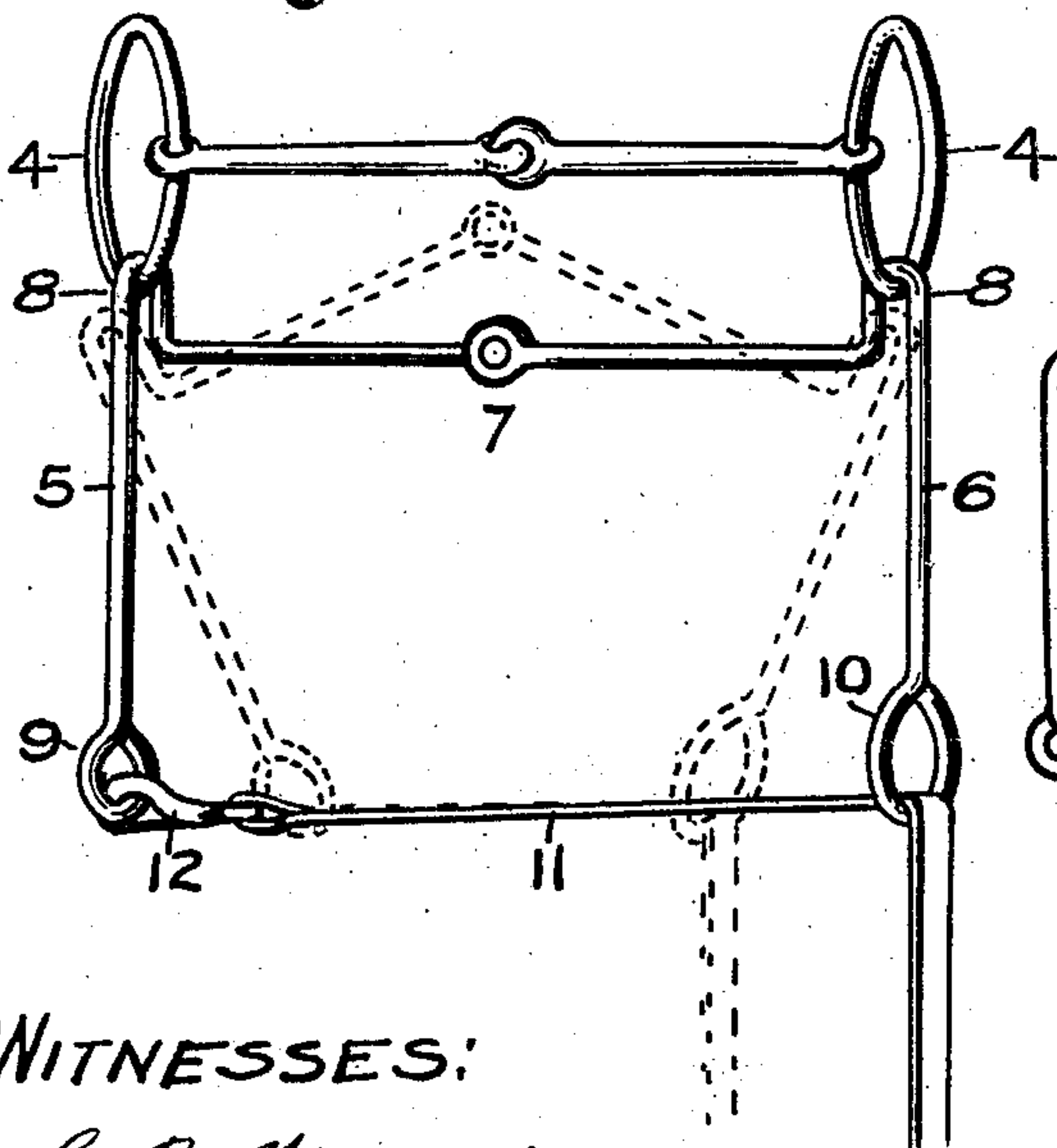
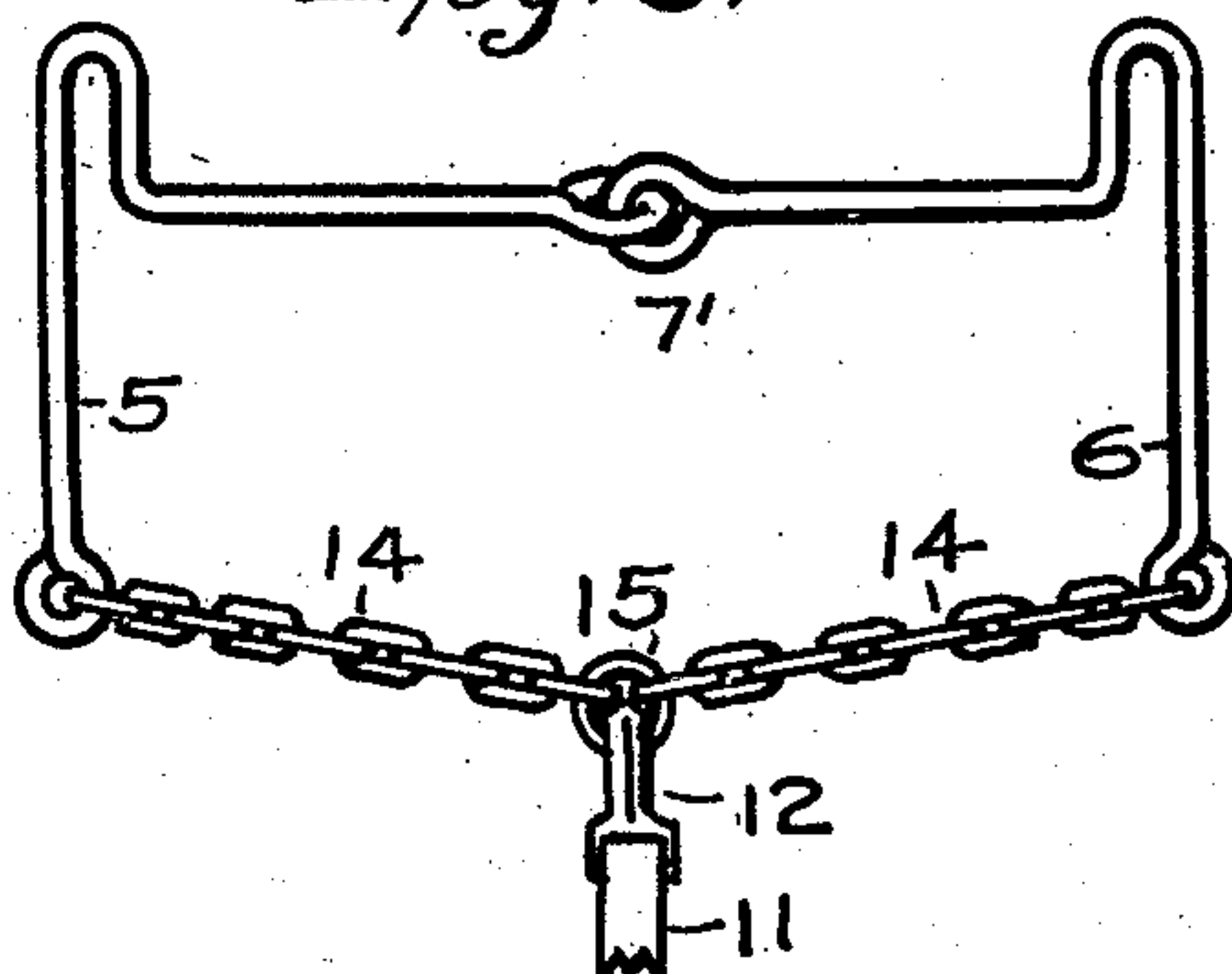


Fig. 3.



WITNESSES:

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CURB SAFETY-HITCH.

No. 865,757.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed April 2, 1907. Serial No. 366,023.

To all whom it may concern:

Be it known that I, ALONZO BOYD, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Curb Safety-Hitches, of which the following is a specification:

This invention relates to improvements in curb attachments for hitching straps, and the object of the invention is to provide a simple inexpensive and effective device for restraining unruly horses, which device can be readily applied to the ordinary bridle.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention as applied to a bridle in operative position on a horse. Fig. 2 is a perspective view of a bridle-bit with my improvement attached in operative position thereto, and Fig. 3 is a perspective view of a modified form of my device.

Like characters of reference indicate like parts throughout the several views of the drawing.

4 represent the rings of a bridle-bit of usual construction, to which my attachment is applied. My attachment comprises a pair of metal rods 5 and 6, with flattened and perforated inner ends which are joined together by means of a hinge-pin or rivet to form the hinge 7. Both of the arms 5 and 6 are bent at points equidistant from the joint 7 and at a distance from each other approximately equal to the length of the bit, to form the inverted U-shaped loops 8, which loops are to engage the bridle-rings 4 when the bars 5 and 6 are passed through the said rings into operative position such as is clearly shown in Fig. 2. The remaining outer portions of the rods 5 and 6 are at right-angles to the inner hinged ends and will drop downwardly by gravity substantially as shown. Each of these ends terminate with the respective eyes 9 and 10.

11 is an ordinary hitching-strap having the usual snap-hook at its end, and to attach the hitching-strap to my device the snap-hook 12 is passed through the eye 10 and then hooked into the eye 9. For greater ease and convenience in passing the strap through the first eye 10 the latter will preferably be made larger in diameter than the eye 9. The other end of the strap

11 will be made fast to a post or hitching-weight in the usual manner. The exertions of a restless horse, by drawing on the strap 11, will tend to draw the rings 9 and 10 toward each other, in the manner shown in dotted lines in Fig. 2 which in turn causes an upward movement of the horizontal members of the device, as shown by dotted lines in Fig. 2, against the animal's lower jaw. The harder he pulls upon the hitching-strap the more severe will be the pressure of my device against his jaw and the animal will soon learn to save himself pain by ceasing his efforts to pull his hitching-strap loose.

In the device shown in Fig. 2 a close hinge-joint 7 is formed which holds the parts together more rigidly and accurately than in the modification shown in Fig. 3. In the latter construction the inner ends of the two sections terminate with eyes which are linked loosely together. The modification shown in Fig. 3 is easier and therefore cheaper to construct than the first device.

Fig. 3 shows the ends of the arms 5 and 6 connected by means of a chain 14 having a ring 15 in its midlength for the attachment of the snap-hook 12 of strap 11.

Having thus fully described my invention what I claim as new and wish to secure by Letters Patent of the United States, is—

1. The combination with a bridle-bit having end-rings, of a pair of flexibly connected angle-rods having U-shaped bends at the angles to receive the rings of the bridle-bit, said angle-rods having eyes at their free ends and a hitch-strap passed through one eye and fastened to the other eye.

2. The combination, with a bridle-bit, of a curb for hitching-straps, comprising a pair of angle-rods suspended at their angles from the bit below the lower jaw of the animal said rods being hinged together intermediate their points of suspension, and said rods having end eyes opposite their hinged ends, in combination with means for drawing the eye-ends of the rods together.

In witness whereof, I, have hereunto set my hand and seal at Indianapolis, Indiana, this, 22nd day of March, A. D. one thousand nine hundred and seven.

ALONZO BOYD. [L. S.]

Witnesses:

F. W. WOERNER,
J. A. MINTURN.