

No. 782,261.

PATENTED FEB. 14, 1905.

C. MITCHELL.

REIN GUIDE.

APPLICATION FILED JULY 24, 1903.

Fig. 1.

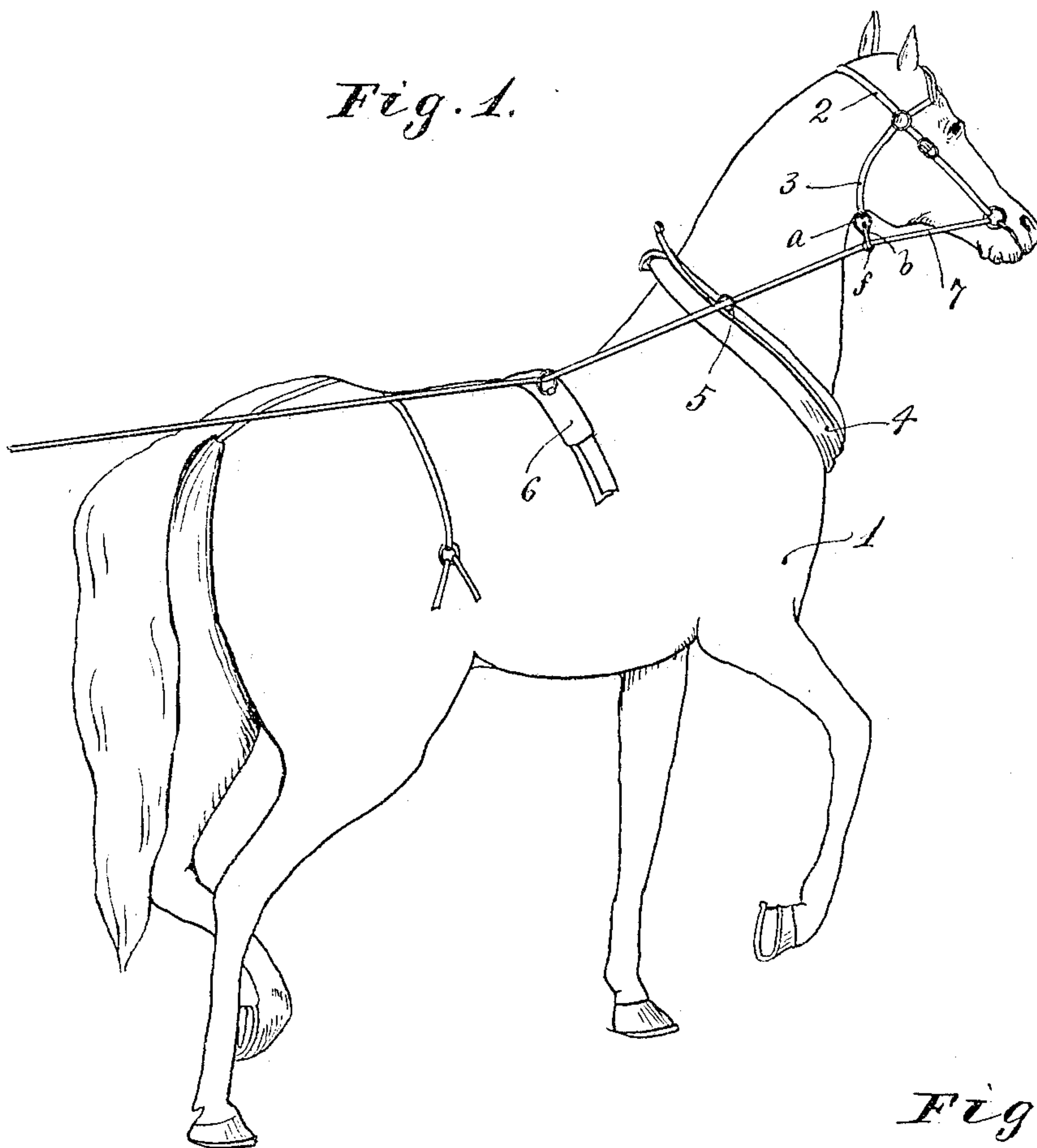
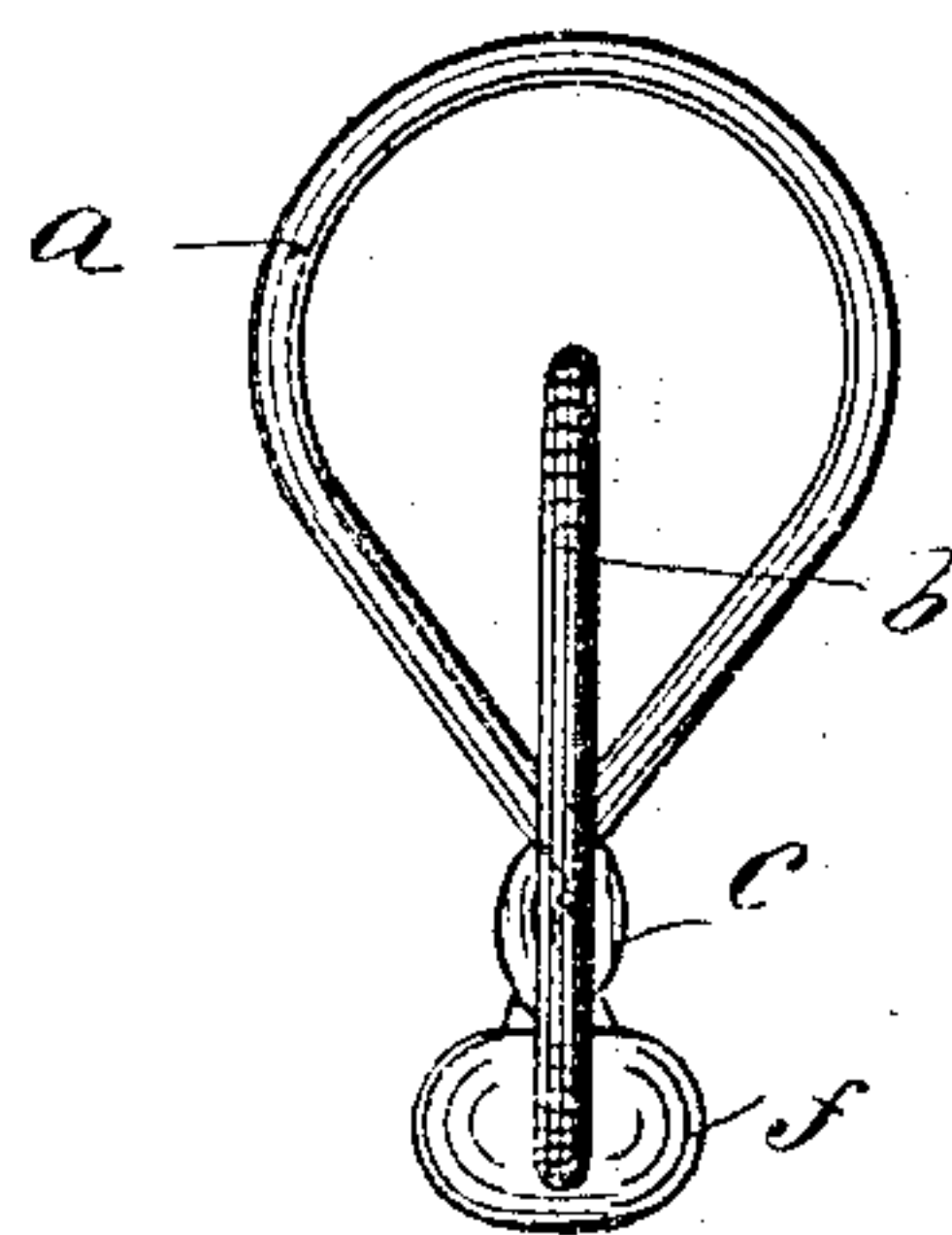
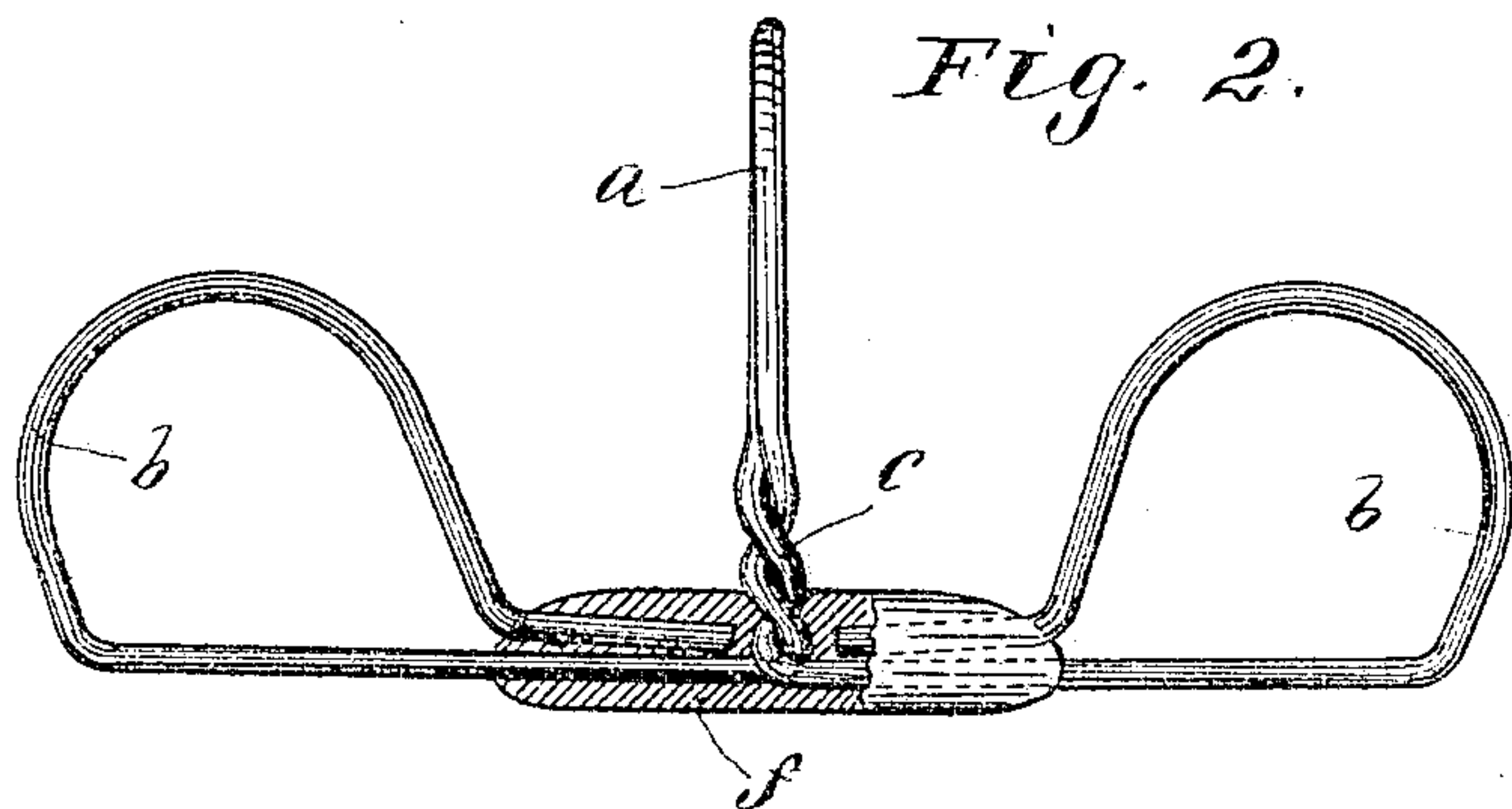


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES MITCHELL, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO JOSHUA C. ADY, OF MINNEAPOLIS, MINNESOTA.

REIN-GUIDE.

SPECIFICATION forming part of Letters Patent No. 782,261, dated February 14, 1905.

Application filed July 24, 1903. Serial No. 166,924.

To all whom it may concern:

Be it known that I, CHARLES MITCHELL, a citizen of the United States of America, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Rein-Guides; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide a cheap, simple, and efficient rein-guide adapted to prevent the reins from being caught by the ends of the thills of vehicles.

To the above ends the invention consists of the novel device hereinafter described, and defined in the claim.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a perspective view showing a horse and illustrating my improved rein-guide applied in working position. Fig. 2 is a plan view, with some parts sectioned, showing the improved rein-guide; and Fig. 3 is an end elevation of the same.

In Fig. 1 the character 1 designates a horse. Of the parts of the harness the numeral 2 indicates a halter having a throat-strap 3. The numeral 4 indicates a collar having line-guide eyes 5. The numeral 6 indicates the saddle, and the numeral 7 indicates the reins.

My improved line-guide is illustrated in detail in Figs. 2 and 3, and it consists of a single piece of wire bent to form a central loop *a* and end loops *b*, which end loops *b* lie in the same plane and which plane intersects the axis of the loop *a* at an angle of ninety degrees to the plane of the latter. The loop *a* is first formed from the central portion of the wire, and the wire is then twisted together at *c* to afford a stem to the loop *a*. The ends of the wire are then bent laterally to form the loops *b* and are brought back close to the body of the wire and terminate in the vicinity of the twisted stem *c*. A body of metal *f* is cast

about a portion of the twisted stem *c* and about the parallel portions of the wire, including the ends thereof. In this way the ends of the wire are covered and securely held and the entire device is greatly strengthened and stiffened between the several loops. The metal used to form the body *f* is preferably babbitt. This metal is easily cast, will tightly adhere to the wire, and has the further virtue that nickel-plate, or other plating for that matter, may be readily applied thereto, and when so applied will wear well.

When the device is applied in working position, the throat-strap 3 of the halter is passed through the central loop *a*, and the reins are passed through the guide-loops *b*. The reins are thus supported between the halter and the guides 5 of the collar or other guides on the harness when a collar is not employed, so that they cannot drop and catch over the forwardly-projecting ends of the thills. In the drawings thills are not shown; nor is this necessary for the purposes of this case. The very great annoyance caused by the frequent catching of the reins on the ends of the thills is very well understood by all persons who have driven horses.

The device is of extremely small cost and in practice has been found very efficient for the purposes had in view.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

A rein-guide comprising a single piece of wire bent to form a central loop *a* and oppositely-projecting loops *b* and twisted at *c* to form a stem, the ends of the said wire being brought back close to said stem, and a body of metal cast about the base of the stem *c* and about the ends of the said wire, to tie the said ends together and stiffen the intermediate portions of the device, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES MITCHELL.

Witnesses:

ELIZABETH H. KELHER,
F. D. MERCHANT.