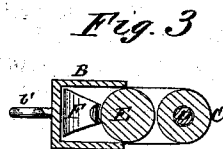
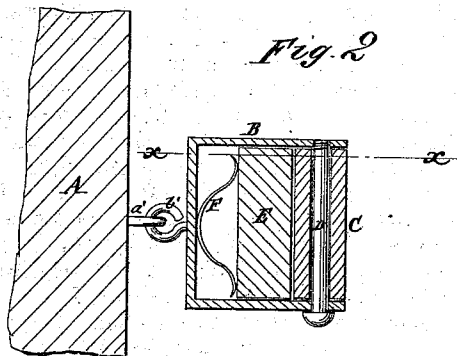
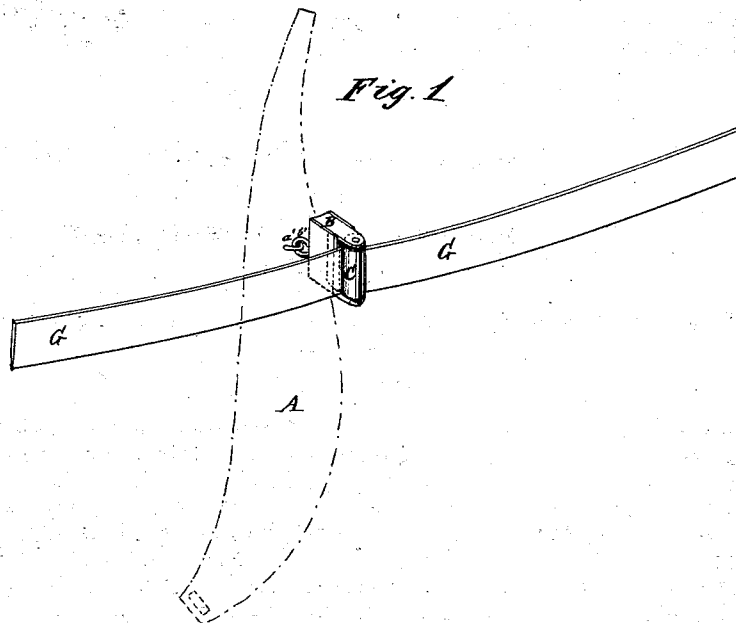


A. K. SMITH.
Rein-Holders.

No. 154,422.

Patented Aug. 25, 1874.



WITNESSES:

A. W. Almqvist
Hedqvist

INVENTOR:

A. K. Smith
BY *Munnell*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALBERT K. SMITH, OF NEBRASKA, OHIO.

IMPROVEMENT IN REIN-HOLDERS.

Specification forming part of Letters Patent No. 154,422, dated August 25, 1874; application filed July 25, 1874.

To all whom it may concern:

Be it known that I, ALBERT K. SMITH, of Nebraska, in the county of Pickaway and State of Ohio, have invented a new and useful Improvement in Rein-Holders, of which the following is a specification:

This invention relates to a device designed to take the place of the ordinary rein-ring now in use on harness-hames; and consists of a frame containing two pieces of metal or other suitable material, preferably rollers, held against each other by spring-pressure, the whole being constructed and arranged to operate substantially as shown and described.

In the accompanying drawing, Figure 1 is a perspective view, showing the hame to which the holder is attached in dotted lines, with the holder attached thereto, with the line between the rollers according to my invention. Fig. 2 is a longitudinal section of the roller-frame, showing the roller and spring in place. Fig. 3 is a cross-section of Fig. 2, taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A represents the hame. B is the rein supporter-frame, which may be fastened to the hame by screws or rivets, or by a staple, *a'*, and hook *b'*. This frame is of box form, having ends projecting from the sides to secure the pin or screw D, which passes through the outer roller C, as seen in Fig. 2. E is a simple cylinder-roller placed partly within the box portion of the frame. Entirely within the box

and concealed from view is a spring, F, which constantly presses roller E against the outer roller C.

The reins as they extend from the bridle-bits of the horse are passed between these rollers C and E, which are intended to be held together by a pressure but little more than sufficient to prevent the slipping of the reins from their own weight.

The objects of the invention are to prevent the twisting of the reins and their falling underneath the animal's feet—inconveniences which commonly attend the use of the ordinary ring. As already premised, the parts pressed together by the spring may be of a semi-cylindrical form without revolving, though I prefer rollers. This holder may be applied to either double or single harness, and it may also be attached to the pad or to any convenient part of the harness instead of to the hame, if desired.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The rein-holder, for attachment to the hame or back pad of a harness, formed of a frame or box, B, a spring, F, sliding or movable block E, and roller C, arranged as shown and described.

ALBERT K. SMITH.

Witnesses:

JOASH HEDGES,
GILBERT HUMBLE.