(No Model.)

H. D. McKINNEY.

CHECK REIN HOOK.

No. 333,880. Patented Jan. 5, 1886.

Fig. 1.

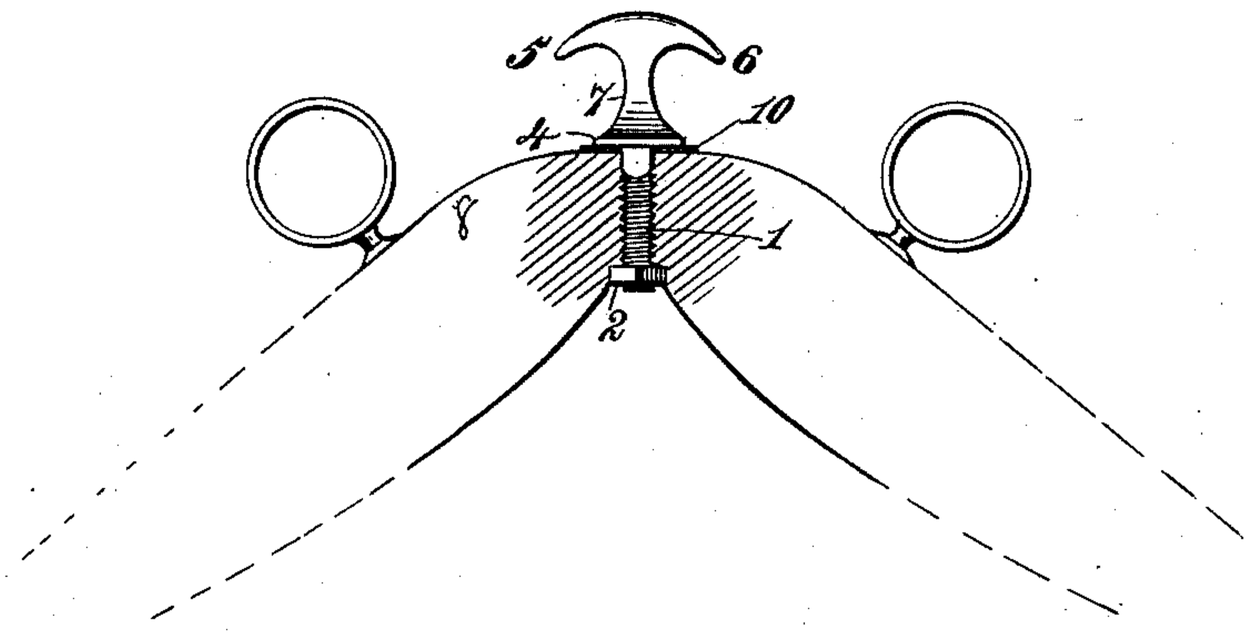


Fig. 2.

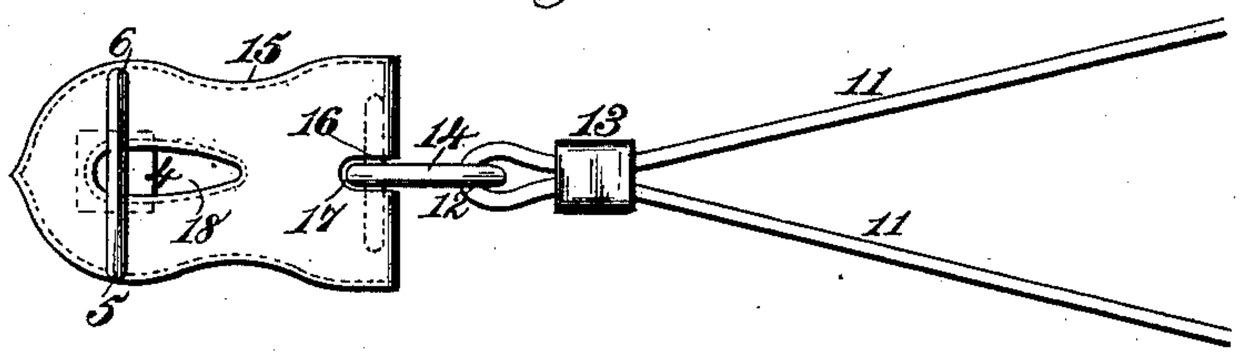
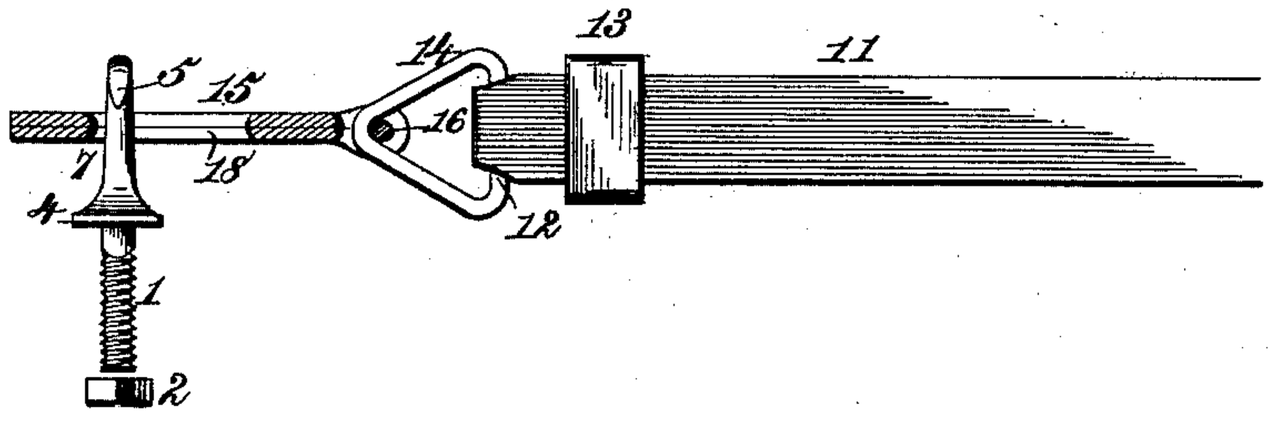


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY D. McKINNEY, OF JANESVILLE, WISCONSIN.

CHECK-REIN HOOK.

SPECIFICATION forming part of Letters Patent No. 333,880, dated January 5, 1886.

Application filed March 10, 1885. Renewed November 18, 1885. Serial No. 183,251. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. MCKINNEY, a citizen of the United States, residing at Janesville, Rock county, Wisconsin, have invented new and useful Improvements in Check-Rein Hooks, of which the following is a specification.

In the use of check-reins and check-rein hooks it is desirable that they be of such construction as to avoid as much as possible danger of their accidental disengagements by movements of the animal's head or "ranging," or by the ordinary movements of the harness when the animal is in action, while at the same time it is desirable that there be facility for their ready engagement and disengagement when either is desired. It is also desirable that they be of such construction that they can be used with a reversible harness-saddle—that is, one which may be turned so that either edge is at the front.

The object of my invention therefore is to furnish a check-rein and check-rein hook by which these objects are accomplished, wherein there is no danger of their accidental or undesigned disengagement, while ease and facility for designed engagement and disengagement is secured, and operativeness secured, no matter which edge of the harness is used as the front edge.

To these ends the invention consists in the features more particularly hereinafter described and claimed, reference being had to the drawings, in which—

Figure 1 is a front view of the improved check-rein hook secured in a harness-saddle, the latter being partly in section. Fig. 2 is a top plan view of the rein and hook, while Fig. 3 is a longitudinal section on the line *x x*, Fig. 2.

The reference-numerals 11 11 indicate the rein, which is attached to the bit or bridle, (not shown,) one end upon each side, in the usual way. The rein passes through a ring, 14, preferably triangular in shape, at 12, and a slide, 13, is placed thereon and slid near up to 14. The ring 14 is secured to the hook-strap 15 by a pin, 16, secured in the folding of the leather or material of the strap 15, a slot, 17, being cut therein to permit the ring to pass back of the pin.

By using a triangular ring to unite the rein and hook-strap a flat bearing is secured for the rein 11, and a small bearing for the pin 16, and the parts are kept in the best relative position. An aperture, 18, is formed in the button-strap 15 for securing it to the hook.

The reference-numeral 1 indicates the shank of the hook, which shank is square at its upper part in order that it may set in a saddle-plate, say 10, without danger of turning or being turned. The lower part of the shank is screw-threaded, and, as here shown, receives a nut, 2, which secures it firmly to the saddle. Above this shank is the standard 7 of the hook, whose base is enlarged to form a shoulder, 4, at the top of the standard, which adds to the firmness of its seating in the saddle. At its top this standard 7 branches on opposite sides into two downwardly-projecting arms, 5 6. The edges of the standard are rounded or smoothed off, so as not to fray or injure the surface of the leather of the rein passing therearound. The standard is secured in the saddle so that the line of the arms 5 6 is longitudinal with the saddle 8, and hence both are nearly at a right angle with the line of the rein.

In using the rein and hook the hook-strap 15 is turned so that the length of aperture 18 coincides with the line of the hook-arms 5 6, and it is slipped thereon or therefrom, as the case may be.

It will be seen that as the arms 5 6 project beyond the sides of the aperture it is impossible for the parts to become accidentally disengaged, while their designed engagement or disengagement is a matter of ease. At the same time the hook is adapted to act equally well in either direction, so that the saddle may be reversed.

Having thus described my invention, what I claim is—

1. A check-rein hook consisting of a standard provided with an enlarged shoulder, two curved arms projecting downwardly, arranged on opposite sides of the standard, and a shank for its attachment to a saddle, substantially as described.

2. The combination of the check-rein consisting of rein 11, hook-strap 15, and ring 14, and the check-rein hook having arms 5 6 projecting on opposite sides of the standard 7, substantially as described.

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

HENRY D. KcKINNEY.

Witnesses:

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