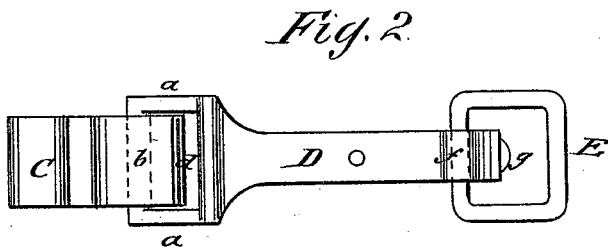
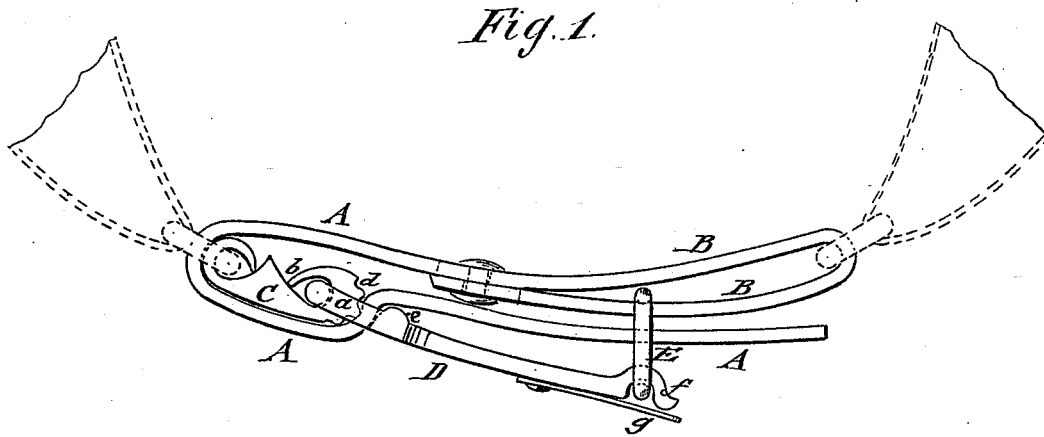


J. C. MOORE.  
HAME-FASTENER.

No. 187,295.

Patented Feb. 13, 1877.



WITNESSES:

*E. Woff.*  
*J. H. Scarborough*

INVENTOR:

*J. C. Moore*  
BY *[Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE

JOHN C. MOORE, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF AND  
JAMES A. DORAN, OF SAME PLACE.

## IMPROVEMENT IN HAME-FASTENERS.

Specification forming part of Letters Patent No. 187,295, dated February 13, 1877; application filed  
December 18, 1876.

*To all whom it may concern:*

Be it known that I, JOHN C. MOORE, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Hame-Fastener, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view of my improved hame-fastener, and Fig. 2 a top view of the cam and lever for securing the hame-strap without buckle or holes.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved hame strap or fastener, which can be readily adjusted, without the use of buckle and holes, to any desired extent, so as to fit the hame upon the collar without injury to the neck of the horse.

The strap retains its full strength, as it is not weakened by punching holes into the same, it being adjusted and fastened in quick, easy, and convenient manner.

The invention consists of a strap attached by a long loop to one hame-section, and passed through a staple or ring of the other hame-section, being secured by an eccentric and toothed cam and lever, locked in position by a link running in the long loop, and retained by a spring in a groove or seat of the lever.

In the drawing, A represents the hame-connecting strap, that is applied through the rings or staples at the lower ends of the hame-sections. The strap has no holes, buckles, or loops, and retains thereby its full strength, so as to be stronger and more durable. One end of the strap is connected by a long loop, B, to one hame-section, the end of the strap being riveted to form the loop. The opposite end of the strap is passed through the staple of the other hame-section and adjusted to greater or less extent, according to the size of the collar upon the horse's neck, being then passed between a cam-piece, C, and lever D. The cam C is hinged to the staple of the hame-section, through which the free end of the strap A is passed, while the lever D is hung by a staple or loop, a, to an eye, b, of the cam. The end of the cam is formed eccentrically and notched to form teeth d, that

bite on the strap to rigidly hold the same. The strap A slides readily between cam and lever, for being conveniently adjusted when the lever is swung clear of the eccentric part of the cam. By swinging the lever up the strap is tightly clamped between the same and the cam, so as to prevent any change of position of the same.

A rise or ridge, e, of the lever at the upper side, close to the loop a, forms a seat for the bend of the strap at that point, and serves to prevent the too rapid wearing out of the strap.

The free end of the strap is finally passed through a link, E, that runs in the long loop B, the link serving to lock the lever in closed position by being placed on the grooved or bent end f of the same, and retained thereon by a guard-spring, g, as shown in Fig. 1.

By releasing the link from the lever and throwing the latter down, the strap may be quickly and conveniently adjusted, so as to bring the hame-sections closer together or farther apart, the swinging back the lever and fastening it by the link securing the positive and reliable closing of the strap in the desired position.

The long loop serves to admit the moving of the link into different positions for being placed on the end of the lever at whatever width the strap is adjusted for the hame.

In this manner a quickly-handled, strong, and reliable hame strap and fastener is provided, which may be used without holes or buckle, and may be tightened up to a distance less than the usual distance of the holes, so that the hame may be fitted nicely in easy manner to the collar upon the horse, without being too close or too loose.

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

1. The combination of a hame-strap, connecting the hame-sections, with an eccentric cam, swinging lever, and lever-locking link, substantially as and for the purpose set forth.

2. The combination of a hame-strap, passing through the staples of the hame-section, with an eccentric cam-piece, hung to one hame-section, a binding lever, swinging in

he eye of the cam, and with a locking-link, retaining the lever, substantially as set forth.

3. The combination of the lever-locking link, running in a guide-loop of the hame-strap, with the grooved or bent end of the lever, having a retaining guard-spring, substantially as specified.

4. The binding-lever, having a ridge or

raised seat at the upper side near the connecting staple or loop, for the purposes substantially as set forth.

JOHN CHARLES MOORE.

Witnesses:

GEO. E. FOSS,

HERBERT YEATES.