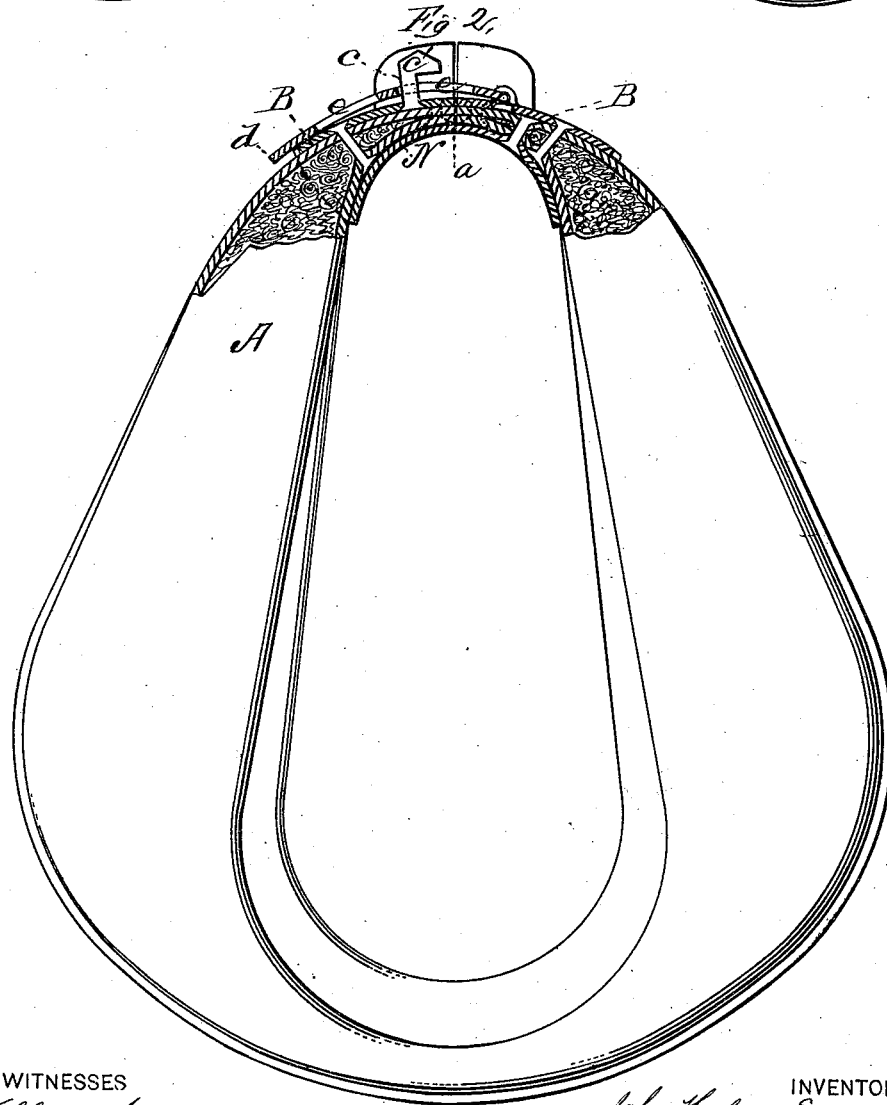
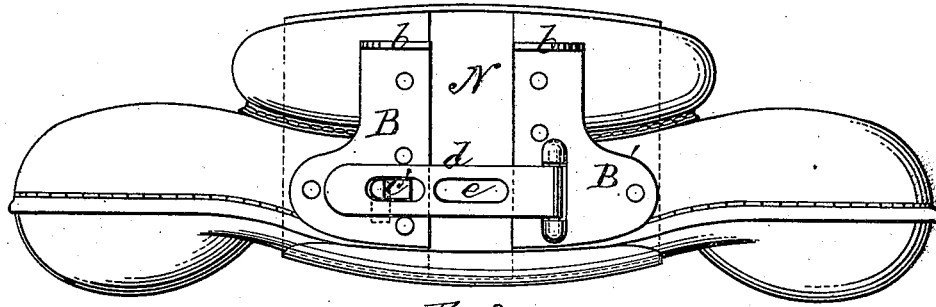


J. H. EMERSON.
Horse-Collar Fastening.

No. 199,276.

Fig 1 Patented Jan. 15, 1878.



WITNESSES
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JOHN H. EMERSON, OF ST. JOSEPH, MISSOURI.

IMPROVEMENT IN HORSE-COLLAR FASTENINGS.

Specification forming part of Letters Patent No. **199,276**, dated January 15, 1878; application filed December 1, 1877.

To all whom it may concern:

Be it known that I, JOHN HOLMES EMERSON, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and valuable Improvement in Horse-Collar Fasteners; and do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my improved horse-collar fastener, and Fig. 2 is a vertical section thereof.

This invention has for its object the providing of a safe and economical means for fastening horse-collars about the neck of an animal.

The nature of the invention consists in two metal plates riveted to the ends of the throat of the collar, one being provided with a vibrating latch or billet, and the other with a rotating hook or catch adapted to engage the said latch, whereby a very complete and effective fastening is produced.

It also consists in spaced slots formed in the billet, by means of which the collar may be fitted to the necks and shoulders of animals of different formations.

It furthermore consists in an upright ledge upon the front ends of the plates aforesaid, which prevents the hame-strings from slipping off the collar, all as hereinafter shown and described.

In the annexed drawings, the letter A designates an ordinary horse-collar, the withers of which are centrally divided, as shown at *a*, Fig. 1. Upon each side of this dividing-line is secured a metallic plate. These plates are designated in the drawings by the letters B B'. Their inner edges are flush with the edges of the collar, and they conform to the curvature of the parts of the same upon which they are fastened. Each of these plates is provided, upon its outer edge, with an erect

stop, *b*, the purpose of which will hereinafter appear.

The plate B is provided with a rotating upright hook, *c*, and the plate B' with a latch or billet, *d*, hinged thereto in any suitable manner, and provided with one or more spaced oblong slots, *e*. The head *c'* of the hook *c* is adapted to pass through these slots, as shown in Fig. 2, and, by turning the hook round, to hold the billet to its engagement therewith. This billet is made, preferably, of metal that is but little liable to rust, and is of sufficient strength to successfully resist all strain incident to such fastenings; and being provided with the spaced slots *e*, it allows a collar to be adjusted to the necks and shoulders of animals wherein these parts are differently formed.

The plates B B' reach entirely across the top of the collar, and consequently obliterate the crease between the fore and after wales thereof. The upper fastenings of the hames are, therefore, liable to work off the collar and bear upon the neck of the animal in front of the said collar. The stops *b* effectually correct and prevent any such tendency, and maintain these fastenings in their proper position.

Upon the under side of the withers of the collar is a stout leather shield, N, secured at one end to the collar, and extending, when the said collar is in use, beyond the joint of the top thereof. This shield effectually protects the neck of the animal from the effects of the rubbing of the plates and withers of the collar, which otherwise would wear off the hair at this point, and perhaps create galls.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a divided horse-collar, of the metallic plates B B', adapted to reach entirely across the top of the collar, and completely covering the dividing-line between the fore and after wales of the same, and the vibrating slotted latch attached to one of said plates, and rotary hook secured to the other plate, substantially as specified.

2. The combination, with the collar A, having division *a*, of the edge plates B B', having each a stop, *b*, and provided, respectively, with the rotating hook *c* and the vibrating latch *d*, substantially as specified.

3. The collar-fastening consisting of the edge plates B B', having each an erect stop, *b*, and provided with a rotating hook, *c*, and a vibrating slotted latch, *d*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN HOLMES EMERSON.

Witnesses:

R. W. MUSSER,
C. R. ELLIS.