

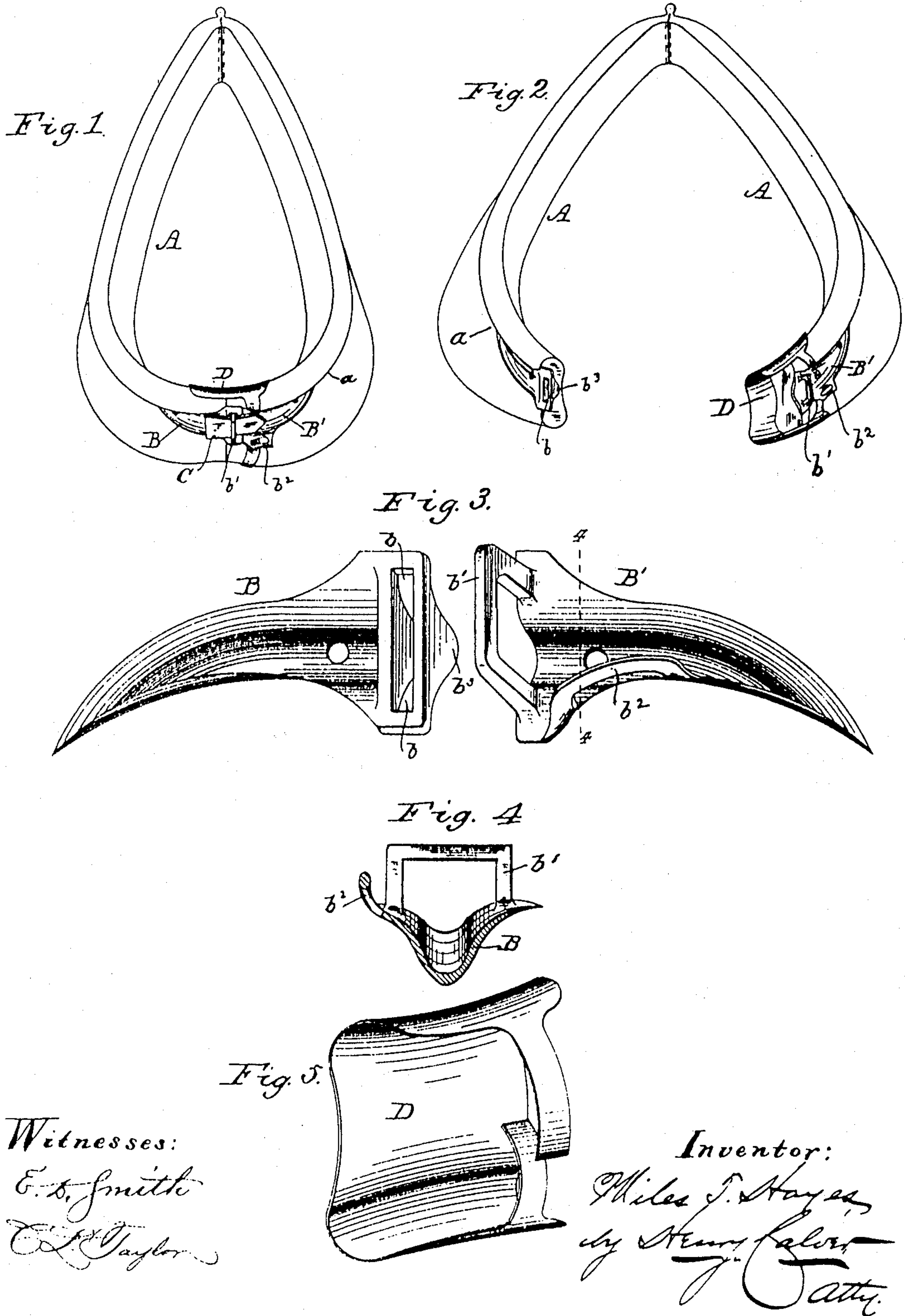
(No Model.)

M. T. HAYES.

HORSE COLLAR.

No. 339,098.

Patented Mar. 30, 1886.



UNITED STATES PATENT OFFICE.

MILES T. HAYES, OF BURLINGTON, WISCONSIN, ASSIGNOR OF TWO THIRDS
TO ALBERT F. RANSOM AND JACOB W. WAMBOLD, BOTH OF SAME PLACE.

HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 339,098, dated March 30, 1886.

Application filed November 6, 1885. Serial No. 182,033. (No model.)

To all whom it may concern:

Be it known that I, MILES T. HAYES, a citizen of the United States, residing at Burlington, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Horse-Collars, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to that class of horse-collars formed in two parts hinged together at the top of the collar, so that they may be opened or separated at the bottom or throat portion to permit the collar to be placed on the neck of the animal right side up, so as to avoid the trouble of turning the collar after passing it over the animal's head.

The object of my invention is to provide a cheap, simple, and effective fastening for separable collars, and also to bridge over the joint at the point where the collar is separated in such a manner that the throat of the animal wearing the collar will be effectually protected from any unevenness of the collar resulting from said joint.

In the drawings forming part of this specification, Figure 1 is a perspective view of a horse-collar embodying my invention, closed, and Fig. 2 is a similar view of the same open. Fig. 3 is a detail view of the fastening, and Fig. 4 is a section of the same on line 4-4, Fig. 3. Fig. 5 is a detail view of the throat-protector.

A denotes the collar, which is made in two pieces hinged together at their tops and provided at their lower ends with metallic fastenings B and B', by which the two pieces of the collar may be separably secured together in front. These fastenings are both doubly-flanged or made V-shaped in cross-section, as shown in Fig. 4, so that they will fit snugly in the groove or recess *a* of the collar, and they are secured to the latter in any suitable manner, preferably by screws or bolts passing through the fastenings and collar.

The fastener B is provided with a slot or aperture, *b*, adapted to receive the loop or staple *b'* on the fastener B', said staple or loop being long enough to project through the slot *b* and receive a key, C, preferably of leather, adapted to fit in said loop, and thus hold the

fasteners together. The end of the fastener B in which the slot *b* is formed, is filled in across the V-shaped groove in the fastening, so as to provide bearings on both sides of said slot for the key which is to hold the two parts of the fastening together. This key may be an independent piece of leather or other suitable material, or the end of the hame strap may be utilized as the key.

The fastening B' is provided on its lower side with a loop, *b'*, to receive the free end of the martingale-strap to prevent it from falling off when the collar is opened.

Attached to one of the parts of the collar, in such a manner as to extend on the inside of the collar across the joint where the two parts come together, is a guard or protector, D, of sheet metal, stiff leather, or other suitable material, the said guard being shaped to fit the throat of the animal, and thus protect him from any unevenness resulting from the joint of the separable collar, and serving also to shield the collar from wear at this point.

To secure my separable collar together, it is only necessary to spring the fastener B over the fastener B' in such a manner that the loop *b'* on the latter will enter and pass through the slot *b* in the former, with the pointed end *b''* of the fastener B resting in the V-shaped groove of the fastener B'. The key C is then inserted in the loop *b'* and the two parts of the collar are securely clasped together.

In my Patent No. 227,431, dated May 11, 1880, I described a collar and hame fastener consisting of two socket-pieces having abutting shoulders. My former fastener was, however, much more expensive to manufacture than my present one, and the form of the latter is such that it fits in the groove of the collar and serves to keep the latter in shape, and is, moreover, adapted to collars of different sizes or thickness, while my former socketed fasteners were necessarily made in different sizes to fit on the ends of collar-pieces of different widths or thickness.

I claim as my invention and desire to secure by Letters Patent—

1. A fastener for separable horse-collars, consisting of two parts which are doubly-flanged or V-shaped in cross-section, one of said parts

being provided with a slot and the other with a loop or staple adapted to enter and project through said slot, substantially as set forth.

2. The combination, with a horse-collar 5 formed in two portions hinged together, of a fastener consisting of two parts which are doubly flanged or V shaped in cross-section, one of said parts having a slot and also bearing-surfaces for a key on its face, adjacent to 10 said slot, and a V-pointed end, and the other having at one end a loop or staple adapted to enter and project through said slot, substantially as set forth.

3. A horse-collar formed in two parts hinged 15 together, and a fastener for said collar made in two parts which are V shaped in cross sec-

tion, one of said parts having a slot and the other being provided with a loop or staple adapted to enter and project through said slot, combined with a guard or throat-protector on 20 the inside of the collar at the front thereof, said guard or throat-protector being attached to one of the parts of the collar in position to project across the joint where the two parts 25 thereof come together, as set forth.

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

MILES T. HAYES.

Witnesses:

ALBERT F. RANSOM,
M. CUNNINGHAM.