

(No Model.)

A. RITTER.
HORSE COLLAR FASTENER.

No. 474,147.

Patented May 3, 1892.

Fig. 1.

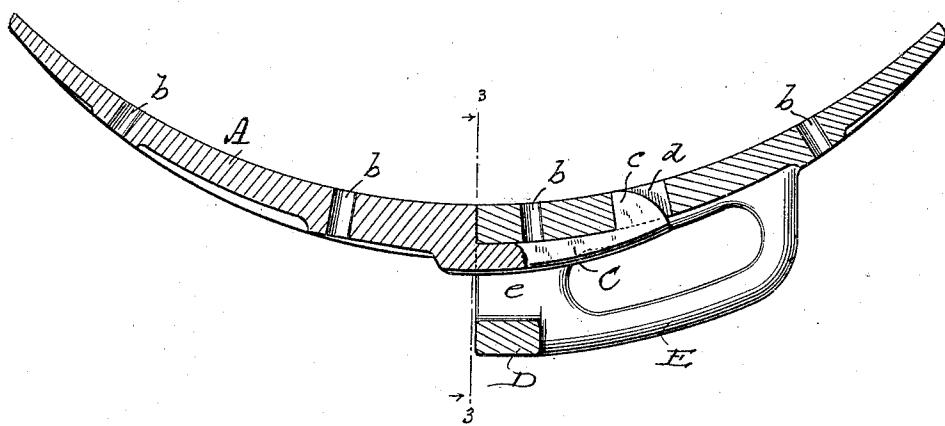


Fig. 2.

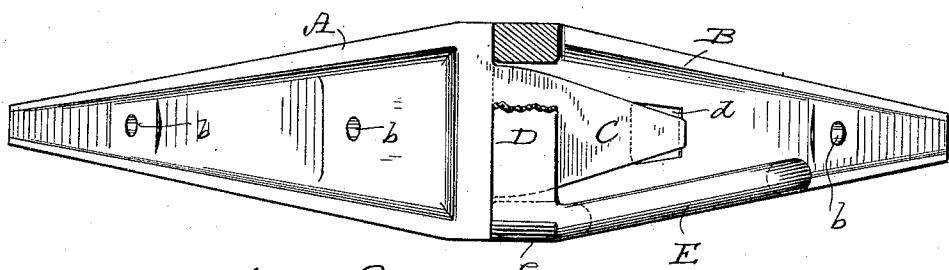
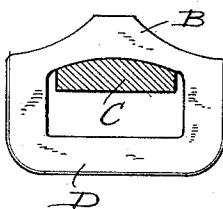


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ANTON RITTER, OF MILWAUKEE, WISCONSIN.

HORSE-COLLAR FASTENER.

SPECIFICATION forming part of Letters Patent No. 474,147, dated May 3, 1892.

Application filed December 14, 1891. Serial No. 414,950. (No model.)

To all whom it may concern:

Be it known that I, ANTON RITTER, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Horse-Collar Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof.

10 My invention has for its object to provide a simple, strong, and easily-operated horse-collar fastener; and it consists in certain peculiarities of construction and combination of parts, to be hereinafter described with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a longitudinal section of a horse-collar fastener constructed according to my invention; Fig. 20 2, a plan view of the same inverted, and Fig. 3 a vertical section taken on line 3 3 of Fig. 1.

Referring by letter to the drawings, A B represent two opposing sections constituting my improved fastener, these sections being

25 triangular in a longitudinal direction and of a contour in cross-section corresponding to the outside of the members of a separable horse-collar, to which they may be rigidly secured. The fastener-sections are preferably of metal 30 cast in the desired form and provided with openings b for the rivets that may be employed to rigidly secure them to the collar members. The fastener-section A is cast in one piece with an offset-tongue C, that overlaps the under side of the other fastener-section B, and this tongue has a lug c thereon for engagement with an opening d in the latter fastener-section. The lug c of the tongue C has a vertical face that opposes a corresponding face

40 of the opening d in the fastener-section B, and from the upper end of its vertical face the said lug is preferably beveled toward the outer end of said tongue, this beveling of the tongue-lug being for the purpose of having it more readily engage and disengage the opening in said fastener-section. The fastener-sections

45 A and B form a flush joint with each other, and the latter section is cast in one piece with

a guide-loop D for the tongue C of the former section, as well as with a martingale-loop E, 50 this martingale-loop and the guide-loop being at right angles to each other and having a common corner-post e, whereby each of said loops strengthens the other, this being an important feature of my invention.

55 In practice the tongue C of the fastener-section A is inserted in the guide-loop D of the other fastener-section B and pushed along until its lug c engages the opening d in the latter fastener-section, and said fastener-sections being thus joined, they are securely held together by means of the tie-strap of the hames that are placed on the collar, it being intended that this tie-strap shall pass through said guide-loop. The tie-strap being loosened 60 the fastener-sections may be readily disconnected by a slight movement tending to throw the lower ends of the collar members upward and outward, this movement being the one employed to open any separable horse-collar 65 far enough to have it come clear of a horse on which it may have been placed.

70 By the construction above described I provide a horse-collar fastener that has no parts liable to break, clog up, or get out of order, 75 while at the same time a collar provided with my fastener may be uncoupled without any appreciable effort on the part of the operator.

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

75 A horse-collar fastener comprising the sections A B, the first of which is provided with the tongue C, having the lug c, and the second with the opening d for engagement with the tongue-lug, the guide-loop D, martingale-loop E, and corner-post e, connecting said loops, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in 90 the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

ANTON RITTER.

Witnesses:

N. E. OLIPHANT,
JOHN E. WILES.