

E. L. Welbourn,

Collar Fastener.

No. 108418.

Patented Oct. 18, 1870.

Fig:1.

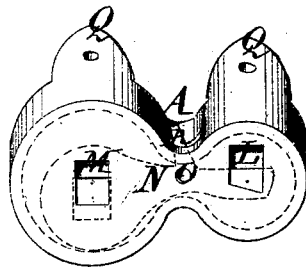


Fig:2.

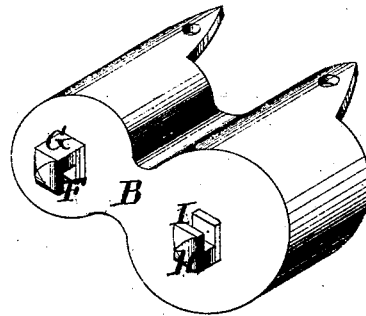


Fig:3.

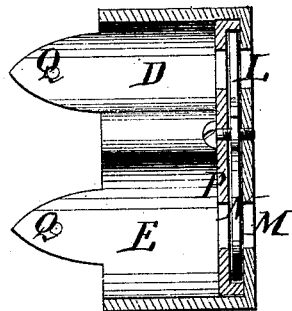
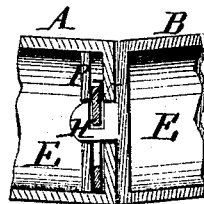


Fig:4



Witnesses:

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United States Patent Office.

EDWARD L. WELBOURN, OF UNION CITY, INDIANA.

Letters Patent No. 108,418, dated October 18, 1870.

IMPROVEMENT IN HORSE-COLLAR FASTENINGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD L. WELBOURN, of Union City, in the county of Randolph and State of Indiana, have invented new and useful improvements in Horse-Collar Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in fastenings for horse-collars of the character of the fastenings for which a patent was granted to D. C. Westfall, October 1, 1867, No. 69,520; and the invention consists in an improvement which will be first described and then clearly pointed out in the claim.

Figure 1 is a perspective view of the socketed part of the fastening for one part of the collar;

Figure 2 is a perspective view of the part of the fastening for the other part of the collar;

Figure 3 is a sectional elevation of fig. 1; and

Figure 4 is a section of both parts joined together.

Similar letters of reference indicate corresponding parts.

These fastenings consist mainly in two metal parts, having two sockets for the reception of the ends of the two parts of the collar, the ends of one part having sockets for the reception of notched projections on the other part, and being provided with a catch for engaging the said notched projections for fastening the ends of the collar together.

A represents one of the said socketed fastenings, and B the other.

They are made of cast metal in any suitable way, and have ears or plates, c, on the opposite sides of the ends, in which the sockets are made projecting beyond, for securely attaching to the collars, the ends of which are received in the sockets.

The said collars terminate at the lower ends in two points, side by side, which these sockets D E are suitably arranged to receive; but hitherto, although one of the points of the collar is smaller than the other, both the sockets have been made the same size, which

requires unnecessary fitting of the points of the collar, or one of them, to the sockets. This I propose to avoid by making both sockets of the right size for their respective parts.

I propose, also, to arrange the notch F of one projection G on the lower side thereof, and the notch I of the projection H on the upper side, and to fasten them, when received in their respective sockets L M, by means of the double-acting lever or catch-bar N, pivoted at O in the bottom of the sockets E D, which communicate with each other thereat.

The part of this catch N which is in the socket E is made larger than the other part, so as to overbalance it, and a hole is made through its center for the projection H to pass through, and the lighter end rises up into the notch F of the other projection.

The object of this arrangement is to prevent the fastenings from tilting, so as to open at one side, as they do when the notches of both studs are in the same sides, as they have heretofore been made.

This catch-lever is raised by a tongue, R, for disconnecting the two parts.

I propose, also, to introduce a plate, P, in the bottom of the fastening A, above the catch-lever, as shown, to prevent the said lever from being obstructed in any way by the ends of the collar coming against it.

Instead of attaching these fastenings to the ends of the collar by means of wood screws, as heretofore, I propose to employ rivets of wire, which are to be used in connection with the bars Q, which have ears for the purpose.

Having thus described my invention,

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

The notched projections F G, H I, corresponding sockets L M, and the double-acting overbalanced catch-bar N, combined in a tubular collar fastening, as and for the purpose described.

EDWARD L. WELBOURN.

Witnesses:

THOMAS McMAHON,
J. R. JACKSON.