

R. PATTIN, H. L. SIBLEY & T. M. BEAGLE.  
Breast-Collar for Harness.

No. 219,510.

Patented Sept. 9, 1879.

Fig. 1.

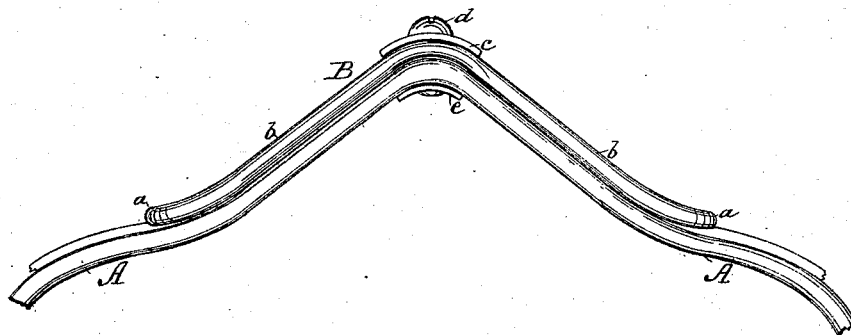
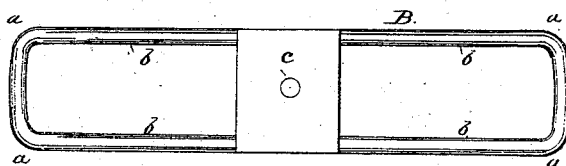


Fig. 2.



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# UNITED STATES PATENT OFFICE

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## IMPROVEMENT IN BREAST-COLLARS FOR HARNESS.

Specification forming part of Letters Patent No. **219,510**, dated September 9, 1879; application filed  
June 9, 1879.

*To all whom it may concern:*

Be it known that we, RICHARD PATTIN, of Harmar, HIRAM L. SIBLEY, of Marietta, and THOMAS M. BEAGLE, of Harmar, Washington county, State of Ohio, have invented a new and Improved Breast-Collar; and we do hereby declare that the following is a full, clear, and exact description of the same.

Breast-collars of harness have been provided with attachments in the form of a rigid arch for preventing pressure on the base of the neck of the animal, and consequent obstruction of breathing.

Our improved device is constructed of a rod or stout wire bent into the required shape, thus forming a skeleton-arch, to which a bridge-plate is attached at the center, and is applied to a breast-collar by a rivet, so that its ends are free and cushioned on the latter, as hereinafter described.

In accompanying drawings, forming part of this specification, Figure 1 is an edge view of a breast-collar having our improved arch attached. Fig. 2 is a plan view of the arch detached.

The breast-collar A is constructed of leather, in the usual way. The arch B is formed of an iron or steel rod or thick wire looped or bent to form the transverse end portions, *a*, and parallel sides *b b*, which latter are a less distance apart than the width of the collar A. The general form of the arch is a slightly obtuse angle, its ends being bent outward a little, and its apex gently rounded instead of being pointed. The sides *b b* are connected at the apex by a metal plate, *c*, which is rigidly attached in any suitable manner.

The means for securing the arch B to the col-

lar consist of a screw or rivet, *d*, which passes through the center of both the arch-plate *c* and collar A, and also through a narrow metal plate, *e*, which is applied to the inner side of the collar, and performs the function of a nut for the screw or washer for the rivet, as the case may be. The arch is thus attached at one point only, and its ends are left free and cushioned on the outer side of the collar. The collar does not require to be cut or divided, nor otherwise mutilated or injured, so as to materially detract from its strength or from its appearance should the arch require to be detached.

We are aware a vehicle pole-strap has been provided with a wearing-plate of angular shape having loops formed on its ends to attach it to and hold it in place on the strap.

We are also aware that a metal arch consisting of a curved plate has been attached to the outer side of a breast-collar by means of rivets passed through its ends; but this we do not claim, broadly, as our invention.

What we claim is—

A breast-collar provided with a skeleton-arch formed of wire and bent into the shape shown, provided with a central transverse bar or bridge, and attached to the outer side of the collar by a rivet or screw passed through the centers of both, the ends of the arch being left free, as shown and described.

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In presence of—

WM. WARREN,  
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