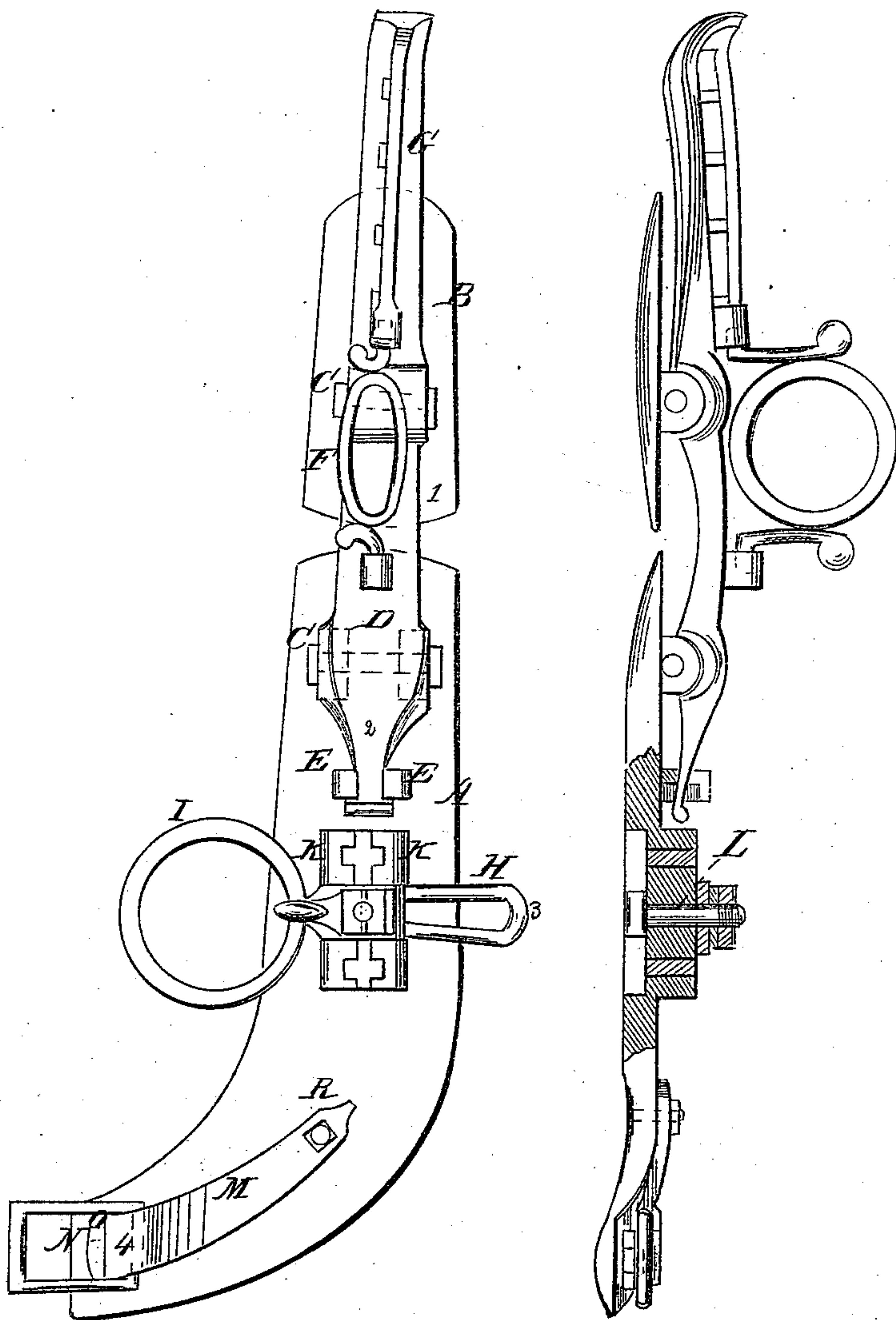


H. Connick,
Horse Collar.
No. 93,968. *Patented Aug 24, 1869.*

Fig. 1.

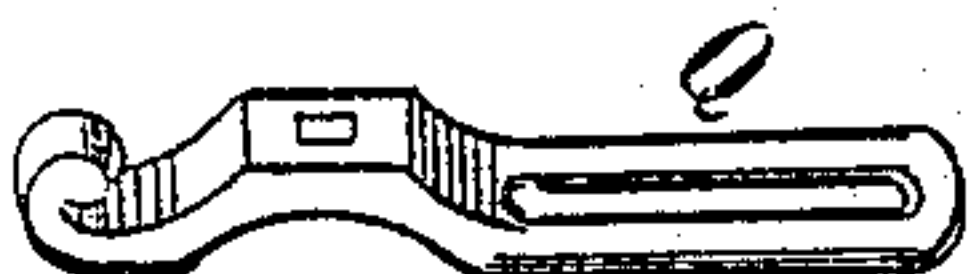
Fig. 2.



Witnesses.

Geo. W. Mabee
John Brooks

Fig. 3.



Inventor.
H. Connick.

per *Munn & Co.*
Attorneys.

United States Patent Office.

HOWARD CONNICK, OF ALBERT LEA, MINNESOTA.

Letters Patent No. 93,968, dated August 24, 1869.

IMPROVED HORSE-COLLAR AND HAMES.

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, HOWARD CONNICK, of Albert Lea, in the county of Freeborn, and State of Minnesota, have invented a new and improved Horse-Collar and Tree; 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.

The object of this invention is to provide an improved arrangement of horse-collar and tree, or hames, in combination, in one device.

The invention consists in an arrangement of collar, tree, or hames, in two sections, connected by hinge-joints to a stock, maintaining them in the proper relative positions, and supporting the rein-ring and the loops for the attachment of the top buckling-strap.

It also comprises an adjustable tug-connection; also, an improved buckle-attachment for the lower hames-strap.

Figure 1 represents a front elevation of my improved device;

Figure 2 represents an edge view of the same, partly broken out; and

Figure 3 represents a modification of the tug-attachment.

Similar letters of reference indicate corresponding parts.

A and B represent in two sections the collar, tree, or hames, shaped to fit the breast of the horse, so as to serve both the functions of collar and hames, to be made preferably of wood, but may be made of any other suitable substance.

The part B is intended to be padded, as it bears upon a more sensitive part of the shoulder.

These two parts are connected by hinge-joints C to a stock, D, arranged to allow the necessary vibration, to prevent the part B from acting too severely

upon the shoulder-blade and the muscles thereof, but controlled by brackets E, so as to maintain the two parts properly in line.

This stock D supports the rein-ring F, and is extended upward at G, and provided with a series of loops for the attachment of the upper hames-strap.

H represents the tug-connecting link, carrying a ring I for the pole-straps.

This link H is adjustably connected to and seated on curved under-cut brackets K, rising up from the front surface of the part A, and held thereon by bolts L, capable of moving up or down, for holding the link in a higher or lower position.

The lower hames-strap buckle is secured to the part A by a clamping-attachment M, grooved in the under face, for seating the cross-bar of the buckle, and provided with a tongue, N, shown in dotted lines, which takes under a staple or perforated bracket, O, rising from the surface of the part A. The other end is connected to the part A by a screw, P.

Q represents another form of tug-connecting link, divested of the pole-strap ring, for such gear as does not require the said ring.

Having thus described my invention,

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

1. The combination of the parts A, B, and D, when arranged substantially as specified.

2. The mode of adjustably attaching the tug-links H by the under-cut brackets K and bolts L, arranged substantially as specified.

3. Securing the lower hames-strap buckles by means of the detachable clamps M, constructed and applied substantially in the manner described.

HOWARD CONNICK.

Witnesses:

H. D. BROWN,
N. T. SANDBURY.