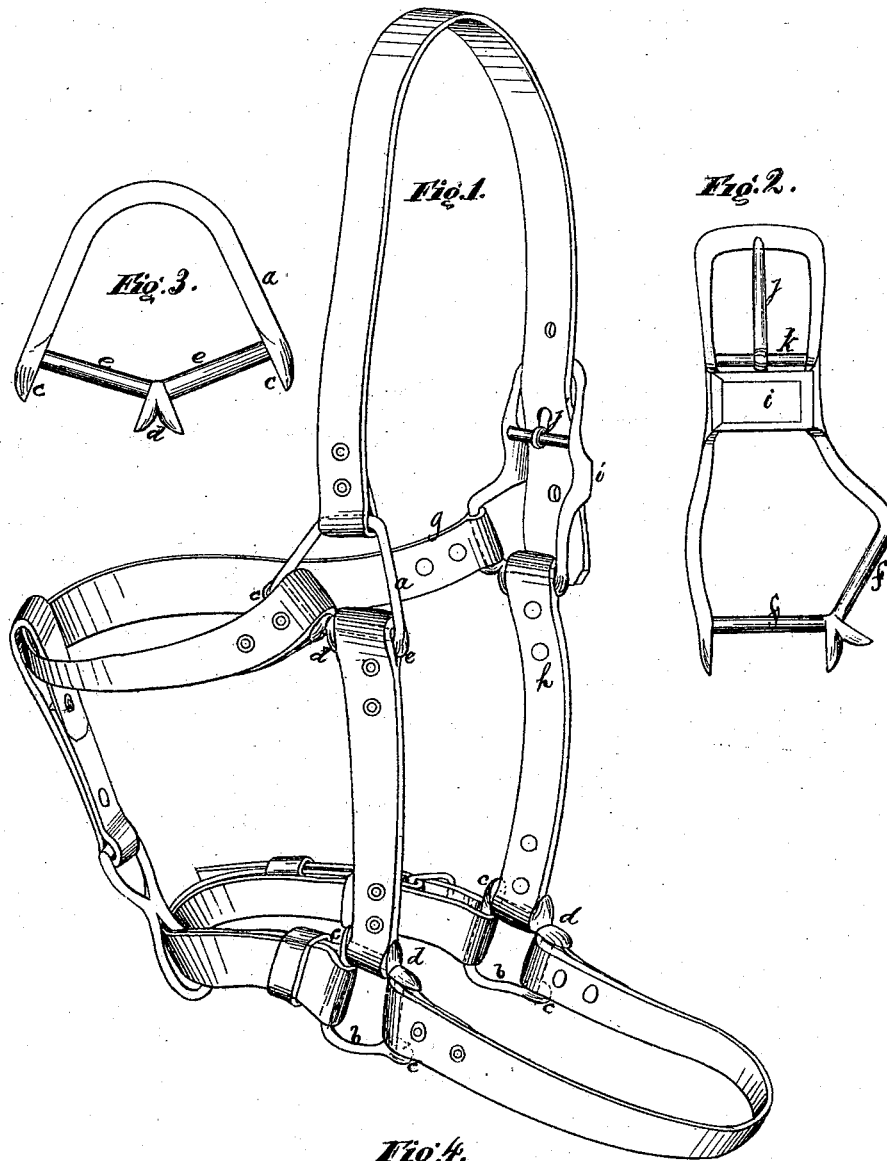


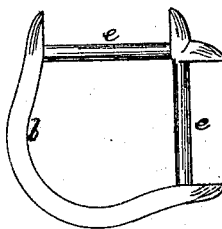
J. Thornton,
Halter.

No. 113468,

Patented Apr. 4, 1871.



Witnesses:
Jas W. Poler
W. B. Henderson



Inventor:
Jas. Thornton,
by E. W. Rottwell
att'y

UNITED STATES PATENT OFFICE

JAMES THORNTON, OF WELLSVILLE, NEW YORK, ASSIGNOR TO HIMSELF
AND E. G. LATTA, OF SAME PLACE.

IMPROVEMENT IN HALTERS.

Specification forming part of Letters Patent No. **113,468**, dated April 4, 1871.

To all whom it may concern:

Be it known that I, JAMES THORNTON, of Wellsville, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Halters; and I do hereby declare the following to be a full, clear, and exact description thereof, sufficient to enable those skilled in the art to which my invention appertains to fully understand and to make and use the same, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 is a perspective view of a halter provided with my improvements. Fig. 2 is a plan of the buckle. Figs. 3 and 4 are detached views of the two forms of rings used, constructed according to my invention.

This invention consists in the construction of halter-rings with angular projections on the outer surface, which serve as lateral braces or supports to the straps secured between them.

It further consists in the construction of the buckle and loop frame with a ring for straps, said ring being provided with angular projections, as above mentioned.

Finally, the invention consists in an improved halter provided with rings having angular projections, and with a combined buckle, loop, and ring constructed with lateral supports for the straps, all as hereinafter more fully described.

I will now proceed to describe my invention in detail, referring to the drawing, wherein similar letters of reference indicate like parts in the several figures.

The rings *a b* (shown more clearly in Figs. 3 and 4) are cast with angular projections *c c d*, extending outward from the cross-bars *e e*, to which the straps are secured in the usual manner. These projections support and

strengthen the straps laterally at the points of attachment to the rings; and they also serve to keep the several straps apart, and maintain them in their proper relative positions, which is essential in a halter.

It will be noticed that the rings *a b* differ slightly in form to suit the different locations in which they are employed.

The frame of the buckle which I use is extended, as shown in Figs. 1 and 2, and provided with bars *f f*, for the attachment of the straps *g h*, which are braced by projections similar to those on the rings *a b*, and for a like purpose. *i* represents the loop, and *j* the tongue, hung to a cross-bar, *k*. This combined buckle, loop, and ring, with the exception of the tongue, forms a single casting.

I desire to state that the projections on the rings and buckle-frame, instead of being made as herein shown and described, may extend within the loop of the strap and be inclosed by the stitching.

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

1. The halter-rings *a b*, provided with projecting strengthening-supports *c c d*, substantially as and for the purpose herein shown and described.

2. A halter provided with rings *a b*, having projections *c c d*, for the purpose set forth, and the buckle, loop, and ring, all constructed and arranged substantially as herein shown and described.

To the above specification of my invention I have signed my name this 23d day of January, 1871, in the presence of two subscribing witnesses.

JAMES THORNTON.

Witnesses:

EDWIN PRESTON,
DWIGHT GOODRICH.