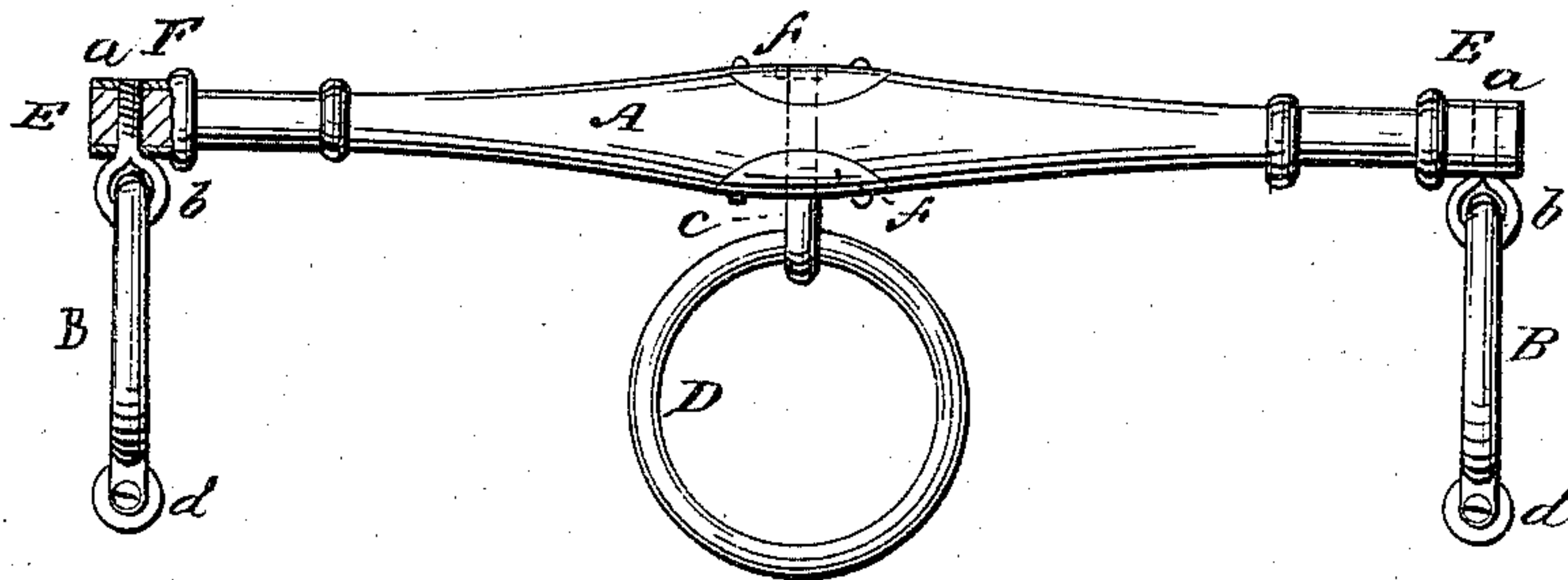


G. P. COLE.  
Neck Yoke.

No. 97,359.

Patented Nov. 30, 1869.



Witnesses  
Leopold Eury  
D. W. H. H. H.

Inventor  
George P. Cole  
per  
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Atty.

# United States Patent Office.

GEORGE P. COLE, OF HUDSON, MICHIGAN.

Letters Patent No. 97,359, dated November 30, 1869.

## IMPROVED NECK-YOKE.

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, GEORGE P. COLE, of Hudson, in the county of Lenawee, and in the State of Michigan, have invented certain new and useful Improvements in Neck-Yokes; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a neck-yoke, but more particularly in the manner of fastening the eye-bolt to the same.

The figure, in the accompanying drawings, represents my neck-yoke, the portion at one end, at E, being a side elevation, and the end, at F, being sectioned to show the passage of the bolt.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which represent a side view of my invention, part in section.

A represents the neck-yoke, which, at each end, is provided with a metal band, *a*, a hole being made through said band and the end of the neck-yoke for the insertion of the eye-bolt *b*.

In the upper side of the yoke A, under the band *a*, is embedded a nut, *e*, the hole in which corresponds with the hole in the end of the yoke.

The eye-bolt *b* is provided with screw-threads, and, being inserted into the hole in the end of the yoke, is screwed into the nut *e*, and thus held firmly in position.

The lower end of the eye-bolt *b* is formed in the shape of a loop or small ring, in which is suspended an open ring, B.

The ends of the open ring B are connected by a screw-bolt, and between these ends, on said screw-bolt, is placed a roller, *d*.

In the common neck-yoke the ring soon wears out the breast-strap, but with the use of the roller *d*, the strap will last for years.

The eye-bolt *c*, from which the pole-ring D is suspended, is attached to the yoke A, in the same manner as the eye-bolt *b*, by means of a nut embedded in the upper side of the yoke, metal plates *f f* being placed on both the upper and lower sides of the yoke.

Having thus fully described my invention,

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

1. Securing the eye-bolt of a neck-yoke to the yoke itself, by means of the ferrules and the nuts embedded in the yoke, substantially as herein set forth.

2. The combination of the yoke A, metal bands *a a*, eye-bolts *b b*, and nuts *e e*, all constructed substantially as and for the purposes herein set forth.

3. The combination of the yoke A, eye-bolts *b b*, nuts *e e*, staples *c*, rings B B, rollers *d d*, and pole-ring D, all constructed and connected substantially as described, and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 8th day of May, 1869.

GEORGE P. COLE.

Witnesses:

L. R. PEIRSON,  
P. SHUMWAY.