

H. SANDERS.
Neck Yoke for Carriages.

No. 110,074.

Patented Dec. 13, 1870.

Fig: 1.

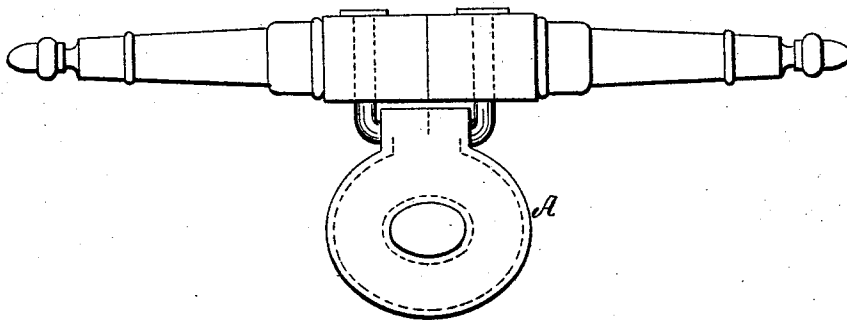
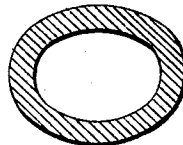


Fig: 2.



Witnesses:

James Harris
Edwin Eggner

Inventor:

H. Sanders

United States Patent Office.

HENRY SANDERS, OF UTICA, NEW YORK.

Letters Patent No. 110,074, dated December 13, 1870.

IMPROVEMENT IN LEATHERS FOR NECK-YOKES FOR CARRIAGES.

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, HENRY SANDERS, of Utica, county of Oneida and State of New York, have invented a new and useful Improvement in the Manner of Leathering Wooden Neck-Yokes for Carriages; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Having leathered neck-yokes for a long time on the old plan, viz., making a round hole in the leather to fit the pole, I found that by the constant twisting motion of the yoke on the pole the leather soon ripped where it was stitched, and also that the leather cracked and tore apart between the hole in the leather and the yoke.

My invention obviates this difficulty entirely and makes a very durable and substantial article.

Figure 1 represents my neck-yoke, complete.

Figure 2 represents the iron ring.

A, fig. 1, represents the leather part of the yoke.

The dotted lines in A represent the stitching around the iron ring, fig. 2.

My invention consists in making an oval or oblong hole in the leather part of a wooden neck-yoke for carriages, and also inserting an oval or oblong iron ring inside the leather, and stitching the leather around the ring to prevent the leather from stretching when

on the pole, the iron ring causing it to keep its shape; but the main object I have in view is, by constructing the leather part of the yoke in this manner, that I accomplish a very simple and a very desirable result in a very cheap and durable manner, viz., that the hole in the leather, being oval or oblong, allows the neck-yoke to play in the pole of the carriage, forming a perfect swivel on it, thereby allowing the horses perfect freedom of action.

All that is necessary to enable others to make them is for the oval or oblong ring to be made about one-third larger than the hole desired. Make the hole in the leather first, then insert the ring between the leather, and stitch around it, both inside of it and outside also.

Claim.

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

The neck-yoke holder above described, consisting of an oval metal ring surrounded by leather stitched in the manner specified, and having an oval opening for the tongue end, so as to allow lateral play to the same, all substantially as shown and set forth.

HENRY SANDERS.

Witnesses:

WILLIAM D. ADAMS,
EDWIN EGGNER.