

S. A. STEADMAN.
Horse-Collar.

No. 196,716.

Patented Oct. 30, 1877.

Fig. 1.

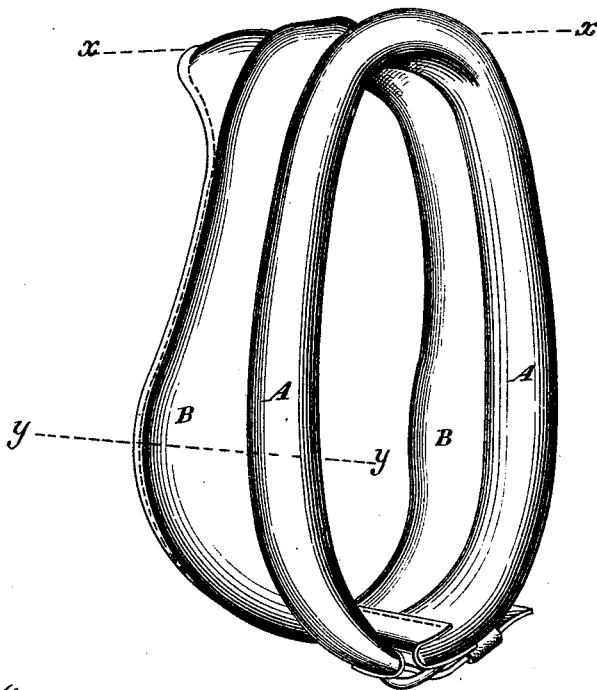


Fig. 2.

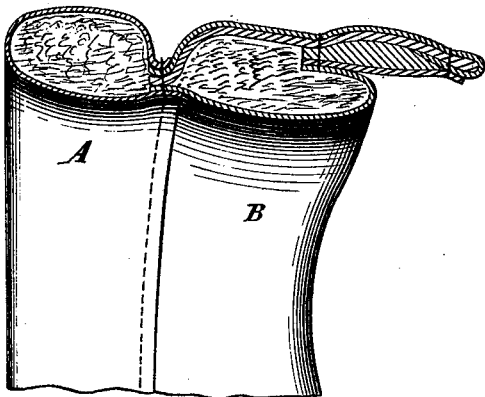
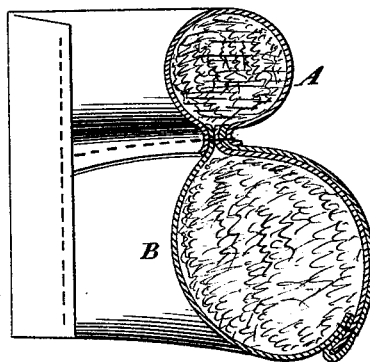


Fig. 3.



Witnesses.
A. Ruppert.
Chas. Meale

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UNITED STATES PATENT OFFICE.

SAMUEL A. STEADMAN, OF MANCHESTER, IOWA.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. **196,716**, dated October 30, 1877; application filed September 17, 1877.

To all whom it may concern:

Be it known that I, SAMUEL A. STEADMAN, of Manchester, in the county of Delaware and State of Iowa, have invented certain new and useful Improvements in Horse-Collars, of which the following is a full, clear, and exact description:

This invention relates to horse-collars made to open at the lower end.

My improvement consists in constructing the rim of the collar of a continuous leather tube, stuffed from one end for the purpose of permanently preserving its shape, at the top more especially, where it is made rather wide, and with an upward inclination, to fit the animal's neck more comfortably than is possible in a collar when the rim is formed in the ordinary way, without any special reference to the shape of a horse's neck.

In the annexed drawings, Figure 1 is a perspective view of my improved horse-collar. Fig. 2 is a transverse section on line *x x*, Fig. 1. Fig. 3 is a transverse section on line *y y* of Fig. 1.

The same letters of reference indicate identical parts in all the figures.

A refers to the rim of the collar, and B to the pads, these parts being united together in any well-known manner to give proper support to the hames. The collar is continuous on top, both as regards the pads and the rim, and is divided at the bottom, where it is provided with a buckle and strap, as shown, for adjusting and securing it.

The rim A is composed of a continuous tube of leather, the ends of which, after stuffing, are properly flattened and closed.

The stuffing is put in from one end of the

tube, and since there is no break in it, the form originally given to the rim will be maintained always. This is of particular importance as regards the bow at the top of the rim, which, unless it is well fitted to the neck of the horse, is liable to chafe and gall it. To provide against this, I make the rim at this point rather wider and flatter than along the sides, as may be seen by comparing Figs. 2 and 3, and also give it an upward inclination from its junction with the pads, as clearly shown in Fig. 2.

Between the points where the traces are to be connected and the top, the collar should be so shaped that no strain will come high up on the breast of the horse.

The pads B are also made in one continuous tube, and stuffed in the same manner as the rim, in order that greater rigidity be given to the bow at the top, so that it will aid the rim to retain its original shape under all ordinary circumstances.

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

As an improved article of manufacture, the herein-described horse-collar, which is open at the lower end, has both the rim and the pads made continuous from end to end, and has the rim formed at the top with an upward inclination, all substantially as and for the purposes specified.

In testimony whereof I have signed my name to the foregoing specification in the presence of two subscribing witnesses.

SAMUEL A. STEADMAN.

Witnesses:

L. L. AYERS,
ED. P. SEEDS.