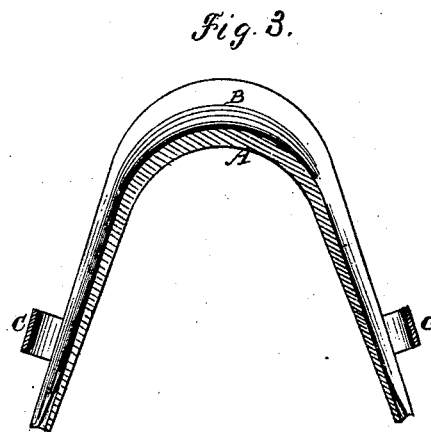
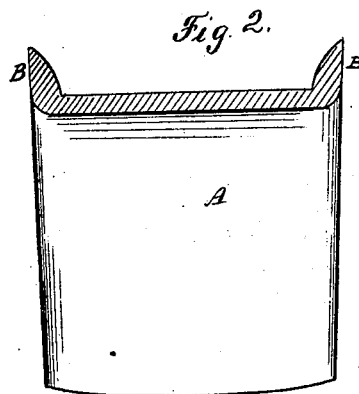
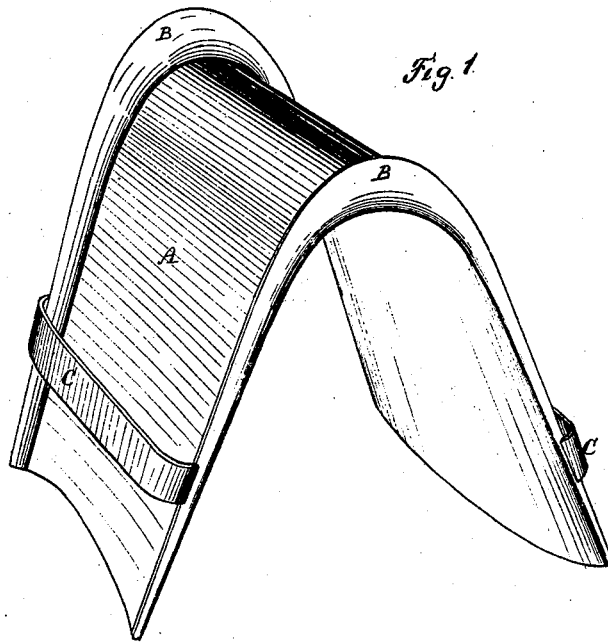


L. L. Hull,

Horse Collar Pad.

No. 112,713.

Patented Mar. 14, 1871.



Witnesses
A. Ruppert
A. Edw. Kils

L. L. Hull
Inventor
D. R. Holloway & Co
Attys.

United States Patent Office.

LEMUEL L. HULL, OF OSKALOOSA, IOWA.

Letters Patent No. 112,713, dated March 14, 1871.

IMPROVEMENT IN PADS FOR HORSE-COLLARS.

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, LEMUEL L. HULL, of Oskaloosa, in the county of Mahaska and State of Iowa, have invented an Improved Pad for Horse-Collars; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making part of this specification, in which—

Figure 1 is a perspective view of my improved collar-pad, showing the projecting flanges for retaining the collar in position and the loops through which the ends of the collar pass.

Figure 2 is a central sectional elevation.

Figure 3 is another section.

Corresponding letters refer to corresponding parts in the several figures.

This invention relates to pads for the collars worn by horses, it being designed to prevent the chafing of the neck of the animal, and also to prevent the hair from being worn off; and, to this end,

It consists in providing an India-rubber pad to be used in connection with any ordinary collar that encircles the neck of the animal, as will be more fully explained hereinafter.

A in the drawing refers to a pad, which is to be made in the arched form shown in the drawing, or in such form as will best adapt it to the neck of the animal.

Its width is to be equal to the width of the collar, and it is to be provided with flanges B B upon its outer edges, which are to project therefrom for a distance sufficient to enable it to keep the collar in position with reference thereto, so that it may not work out from under the collar.

It is also to be provided with loops C C near its ends, through which the upper ends of the collar are to be passed when being placed upon the neck of the

animal. These loops may be made of the same material as the balance of the pad is, or they may be made of leather or any other flexible material; and they may be stitched to the flanges of the pad, or, if made of metal, may be riveted thereto.

It will be observed that the pad is thicker in its cross-section at the top. This form of construction is adopted with a view of giving additional strength to it at that point, as well as additional elasticity, so that, as the weight of the collar rests upon it, it may serve as a spring to some extent, and thus relieve the neck of the animal from sudden jars.

In manufacturing these pads the material is to be prepared as in the manufacture of various articles now made of India rubber, and then pressed in molds which will give them the proper shape and dimensions.

I am aware that harness-pads have been used made of leather lined with India rubber, but I know of no case in which solid molded rubber has been used for this purpose; and my pad differs from any heretofore known.

Claim.

Having thus described my invention,

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

A solid molded India-rubber collar-pad, substantially such as set forth.

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

LEMUEL L. HULL.

Witnesses:

J. RHINEHART,
GEO. A. WELLS.