

M. TURLEY.
Horse-Collar.

No. 202,895.

Patented April 23, 1878.

Fig. 1

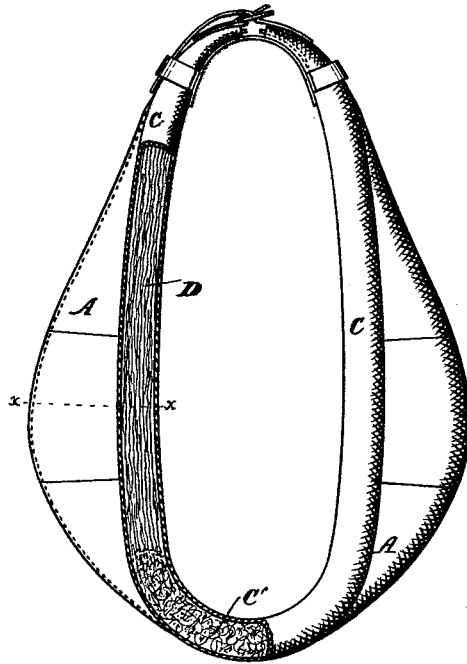


Fig. 3.

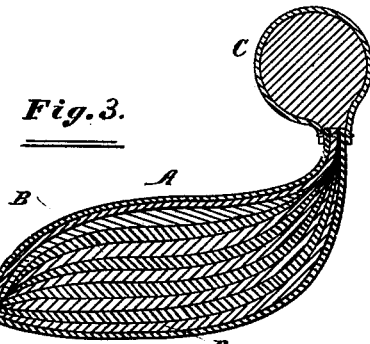


Fig. 2.



Attest:
J. A. Coyne
S. J. Mackay

INVENTOR:
Marshall Turley
By *F. F. Warner*, his
Attorney.

UNITED STATES PATENT OFFICE.

MARSHALL TURLEY, OF COUNCIL BLUFFS, IOWA, ASSIGNOR OF ONE-THIRD OF HIS RIGHT TO JOHN A. CHURCHILL, OF SAME PLACE.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. **202,895**, dated April 23, 1878; application filed August 10, 1877.

To all whom it may concern:

Be it known that I, MARSHALL TURLEY, of Council Bluffs, in the county of Pottawattamie 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, which will enable others skilled in the art to which my invention appertains to make and use the said improvements, reference being had to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a front elevation of a horse-collar, shown partly in section, and embodying my invention. Fig. 2 is a longitudinal central section of one of the pads; and Fig. 3 is a section in the line *x x*.

Like letters of reference indicate like parts.

The pads of horse-collars should be sufficiently soft to constitute cushions for the hames, and they should also be so made as to preserve their form and some degree of softness.

Heretofore the pads have been so filled or stuffed, so far as I am aware, that the material used for stuffing would be crowded away from the parts where the greatest pressure was exerted, and where padding was most needed, thus causing the pads to become hard at those places where it was most essential that they should be soft, or comparatively soft. For this reason the pads have also lost their proper form or shape.

The object of my invention is to remedy these defects, and also to improve the means employed for stuffing the hame-rim, all of which will be hereinafter more particularly described and set forth.

In the drawings, A A represent the pads of a horse-collar. I stuff or fill the pads by arranging therein, before sewing together both edges thereof, strips of hide or pelt, with the hair or wool thereon. These strips or sheets are each continuous, according to their size, long ones being used to extend the whole length of the pads, and shorter ones being inserted to produce a swell or bulge where the greatest pressure is liable to be exerted, all arranged in layers one above the other. It is not essential that these strips or sheets should be fastened to each other; but I deem it preferable to connect the shorter ones to each other and to the longer ones, so that the shorter ones will thus be retained in place, and paste will be sufficient for this purpose. These strips or sheets are represented at B

B, Figs. 2 and 3; and it will be observed that the longitudinal edges of these strips are beveled or shaved off, so that the longitudinal edges of the outer parts or covering may meet and be stitched together. The other edges or ends of the strips B may be beveled in like manner, in order to produce a gradual swell between the upper and lower ends of the pads.

As the greatest pressure is exerted on the central part of the pads, it is desirable that the pads should be thickest there.

It will be perceived that the proper form may be given to the pads in this manner, and that the filling or stuffing cannot be crowded, worked, or pushed from its proper place. The pads are thus caused to keep their original and proper form, and cannot become bunched or uneven.

After the strips or layers are properly arranged, the edges of the covering may be sewed together. Small scraps may be utilized in this manner, and the pads may be made with facility.

C represents the hame-rim. I stuff the lower part of this rim with loose or untwisted flax, tow, or other like material, as represented at C'; but I fill the sides and upper parts of the rim with uncut straw or with straw-stalks, extending continuously from the flax to the upper parts of the rim, as shown at D. In other words, I stuff the sides of the rim with small rolls or bundles of straw, substantially as represented in Fig. 1. In this manner the lower part of the collar is rendered flexible, and the sides of the hame-rim are made hard and firm.

By making a central bulge in the pads, the thickest and softest parts lie over the horse's shoulders, where the greatest pressure is and should be.

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

As an improved article of manufacture, a horse-collar the pads of which are filled or stuffed by means of strips of pelt having thereon their growth of hair or wool, and arranged as described, for the purposes set forth.

MARSHALL TURLEY.

Witnesses:

F. F. WARNER,
JOHN A. CHURCHILL.