

(No Model.)

G. A. ADAMS.
COLLAR PAD.

No. 468,609.

Patented Feb. 9, 1892.

Fig. 1.

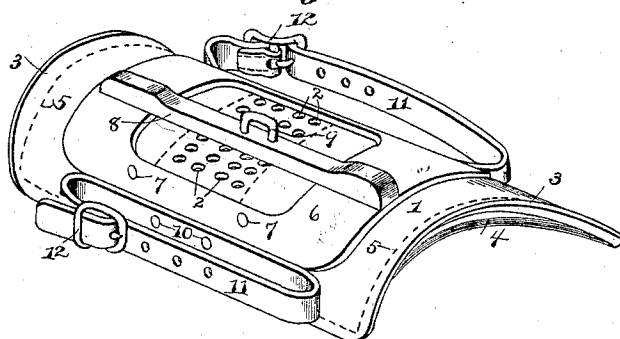


Fig. 2.

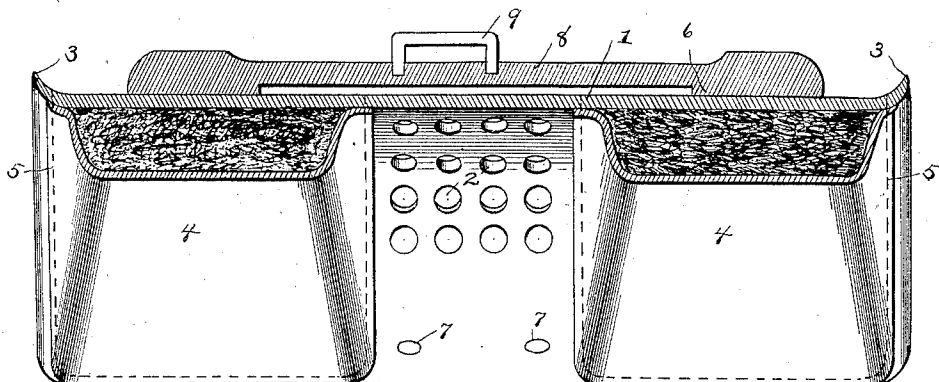
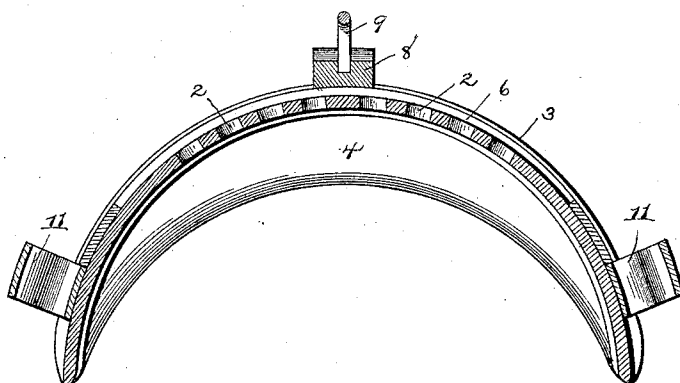


Fig. 3.



Witnesses:

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Inventor

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UNITED STATES PATENT OFFICE.

GEORGE A. ADAMS, OF SOUTH BEND, INDIANA.

COLLAR-PAD.

SPECIFICATION forming part of Letters Patent No. 468,609, dated February 9, 1892.

Application filed July 7, 1891. Serial No. 398,673. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. ADAMS, a citizen of the United States, residing at South Bend, in the county of St. Joseph and State of Indiana, have invented a new and useful Collar-Pad, of which the following is a specification.

This invention relates to improvements in collar-pads.

The objects of the invention are to provide a pad of cheap and simple construction adapted to be used in connection with the ordinary roll-collar, that will lend great ease and comfort to the horse and avoid bearing on the neck-bone, which will avoid chafing or irritation of any kind, which will permit of a thorough ventilation and escape of any matter or corruption arising from sore necks, and which is adapted for connection with the collar sections or rolls and their connecting-strap in such manner as to prevent any movement or displacement of the pad from under the collar.

With the above objects in view the invention consists in certain novel features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a collar-pad constructed in accordance with my invention. Fig. 2 is a longitudinal section. Fig. 3 is a transverse section.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I provide a pad-base 1, of leather, of a moderate degree of stiffness, and curve the same transversely to approximate the curvature of a horse's neck. The center of the pad-base is provided with a series of ventilating-perforations 2, said series extending down the sides of the pad-base for some distance, as shown. The ends of the base are upturned, as at 3, so as to obviate any rubbing of the neck or back of the horse. To the underside of the pad-base, at the front and rear ends thereof and extending from the ends to where said base is perforated, there is located a pair of curved pads 4, said pads being formed of leather stuffed with hair, the edges of the leather being sewed by stitches 5 to the pad-base.

6 designates an integrally-formed rectangular thin metal plate, which surmounts the pad-

base and in transverse section is curved to conform therewith, said plate being riveted, as at 7, to the pad-base and having the heads 55 of the rivets covered by the pads. The plate serves as a stiffening-plate and retains the pad as a whole in shape. The front and rear transverse bars of the stiffening plate or frame 6 are connected by an integrally-formed longitudinal connecting bar or bridge 8, which at its center has mounted thereon a loop or keeper 9.

To the pad-base, immediately below the side bars of the stiffening frame or plate and at each side of the base, there is riveted, as at 10, a pair of straps 11, one end of each of which carries a buckle 12 to receive the opposite perforated end of the strap.

In practice the collar-sections are separated 70 at their upper ends and each is passed through one of the straps 11, after which the ends of the straps are buckled securely together, so as to connect the pad with the collar-sections. The upper connecting-strap usually found in 75 the collar-sections is passed through the keeper or loop 9, and hence acts as an additional device for preventing independent movement of the pad upon the collar. It will be observed that the ventilated or perforated portion of 80 the pad-base occurs directly over the neck-bone or that portion thereof usually supporting the collar and so liable to be chafed and made sore, which is not only very painful to the animal, but difficult to heal by reason of 85 the constant pressure thereon when the animal is in use. By my invention, however, this portion of the neck receives no chafing whatever, and if sore will readily become healed. The two pads bearing in front and 90 in rear of this point support the base some distance above the neck and out of contact and provide an opening between the pad-base and neck throughout the width of the pad, whereby a local application may be made 95 to a sore on the neck under the pad without the necessity of removing the pad or collar, and so that a circulation of air between the neck and pad-base and through the perforations is at all times maintained, while at the 100 same time a sore that may happen to be under the pad is guarded from flies and other insects so irritating to the sore and the animal. The metallic stiffening-plate throws the

weight of the collar upon the pads and prevents any sagging of the leather pad-base and consequent decrease in the size of the space between the pads and lowering of the pad-base upon the neck, while the straps 11 retain the pad securely in position against movement.

My invention is designed as an improvement on Patent No. 439,678 of William T. O'Brien, of which I am now the sole owner, and the present improvements are the result of several months' thought and experiment. My aim has been to simplify the manufacture of the pad, so as to reduce the cost of manufacture and at the same time render it more salable in point of durability and efficiency.

Having described my invention, what I claim is—

1. The herein-described improved pad for horse-collars, the same consisting of the rectangular leather pad-base transversely curved and having its ends upturned, as at 3, said base being perforated at its center, the front and rear pads transversely curved terminating at opposite sides of the base and sewed thereto in front and in rear of the perforations, the rectangular metallic stiffening frame

or plate curved to surmount the base and riveted thereto and provided at its center with the longitudinally-disposed bar 8, connecting the transverse ends of the plate, said bar having the central keeper 9, and the opposite straps 11, riveted to the sides of the pad-base below the plate and having the adjusting-buckles 9 applied to their ends, substantially as specified.

2. The herein-described improved collar-pad, the same consisting of the transversely-curved base provided upon its under side and at its opposite ends with the curved pads, which pads form an intermediate space from edge to edge of the base and the latter perforated above the same, an open stiffening-frame surmounting the base, and a longitudinally-disposed bridge-piece spanning the frame and connected thereto and provided at its center with a keeper, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE A. ADAMS.

Witnesses.

ISAIAH H. UNRUH,
JOHN MILLER PARKE.