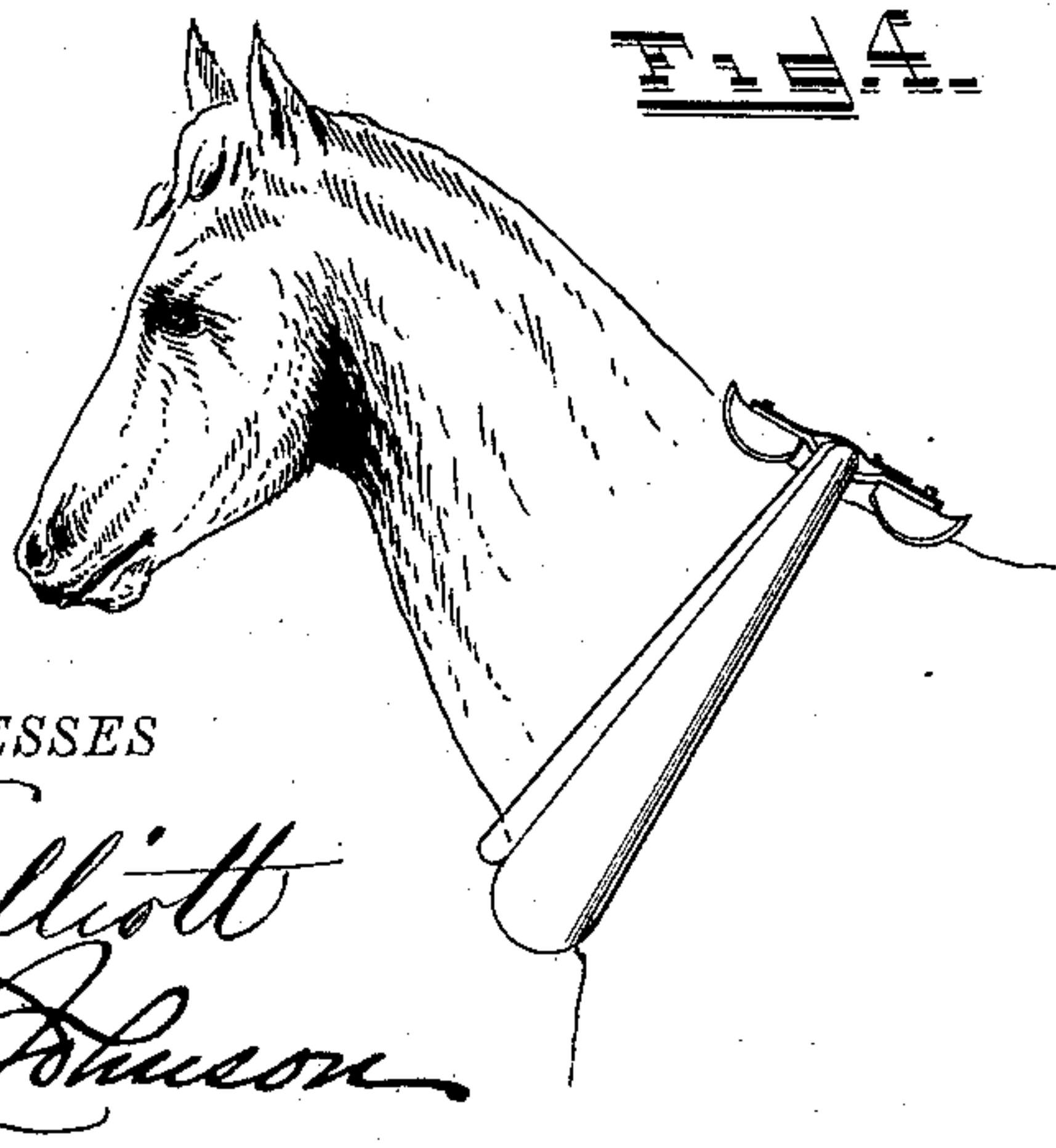
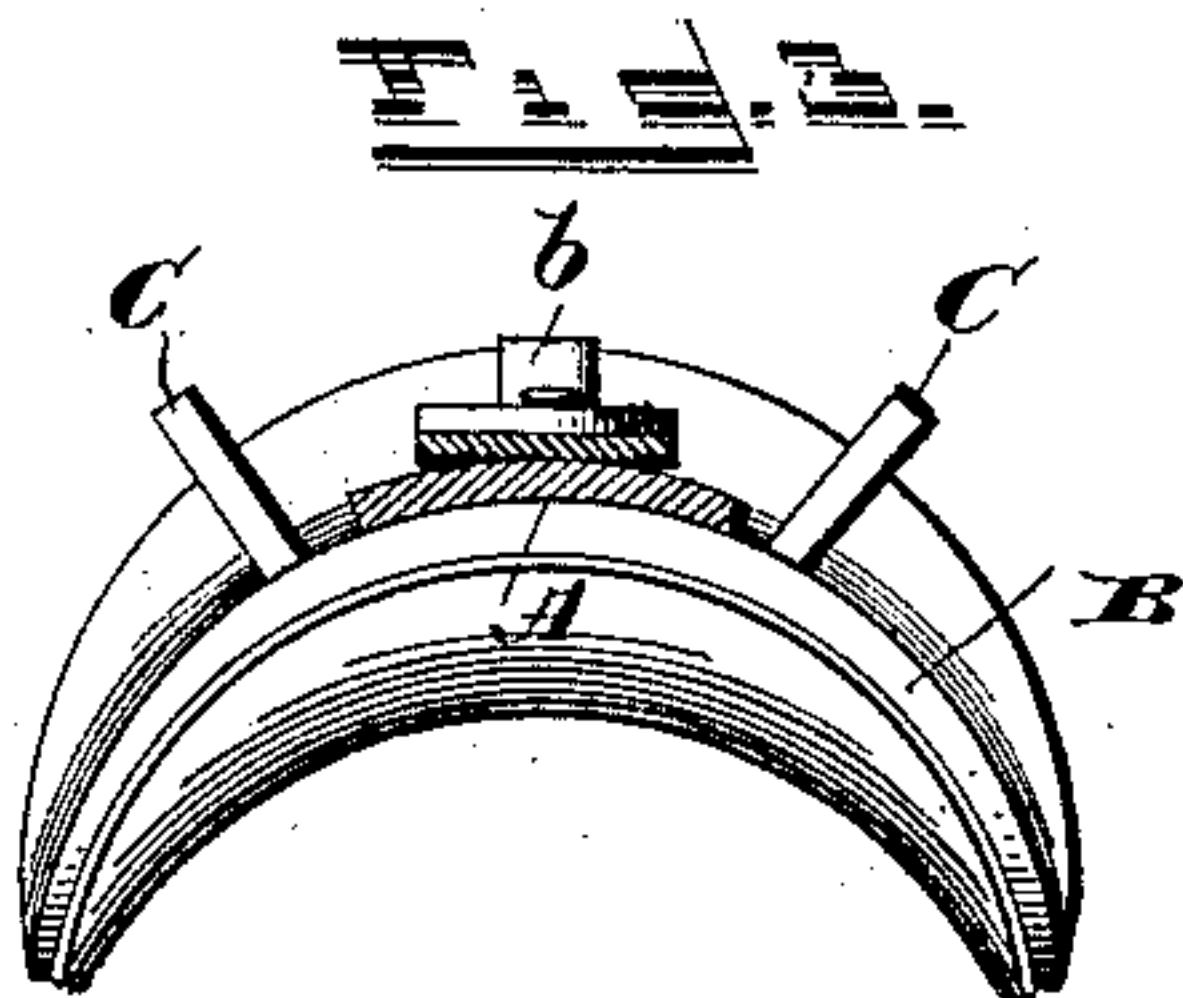
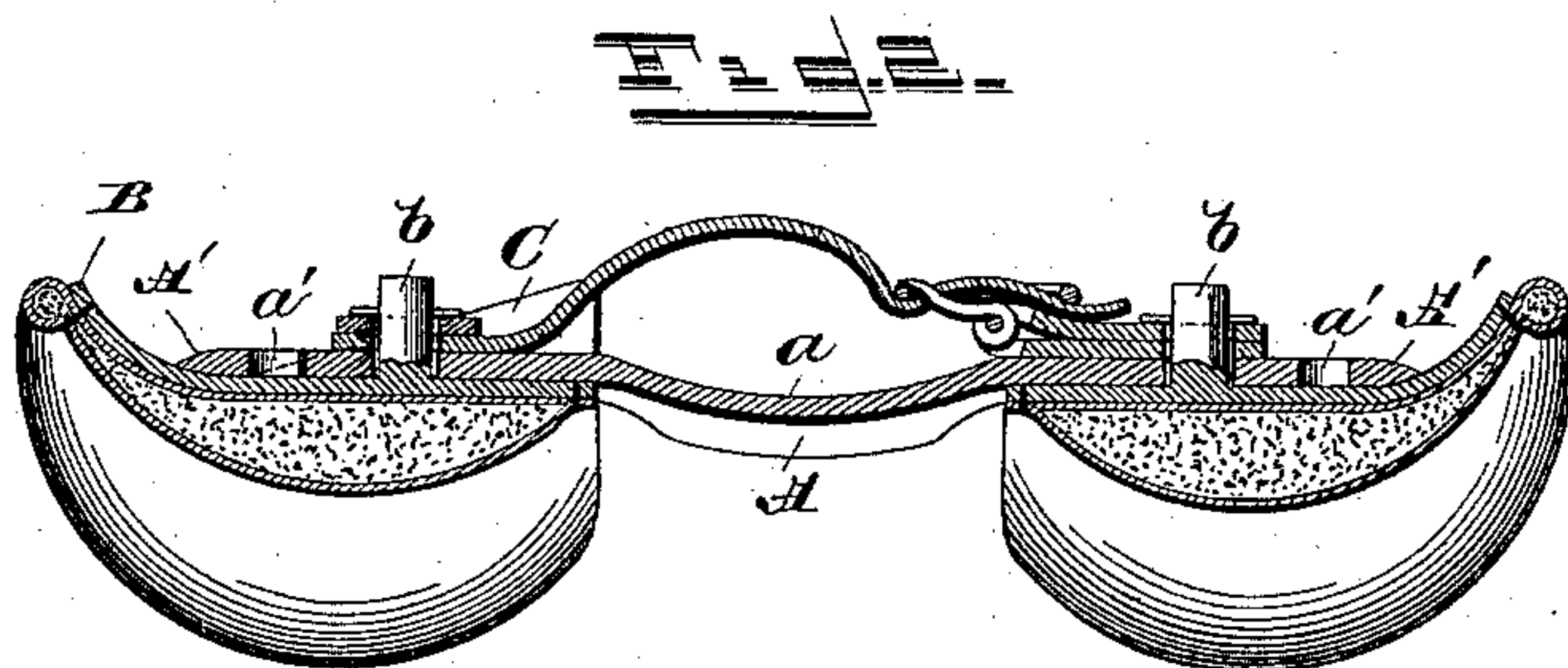
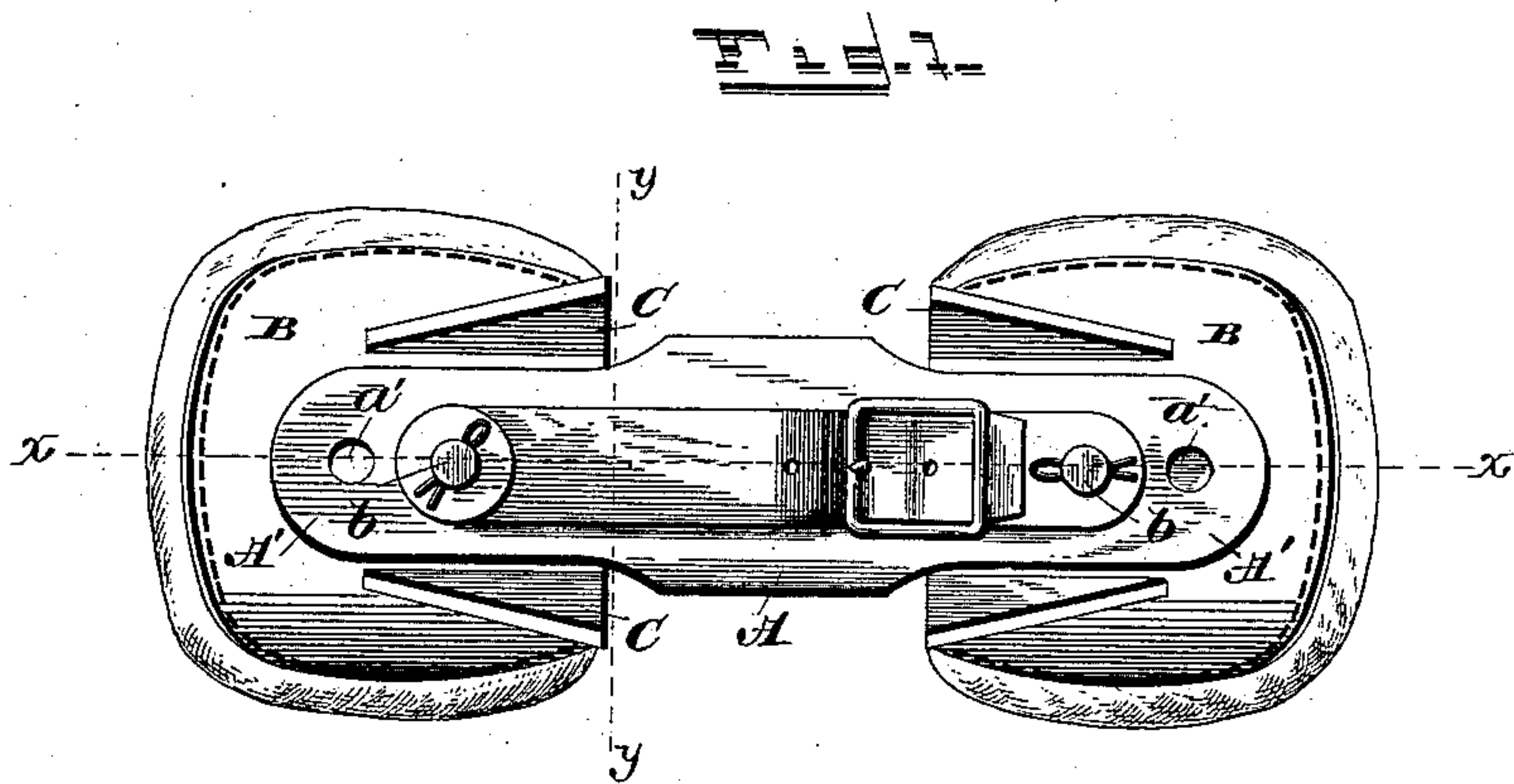


(No Model.)

F. W. KRAUSE.
HORSE COLLAR PAD.

No. 389,478.

Patented Sept. 11, 1888.



WITNESSES
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UNITED STATES PATENT OFFICE.

FREDERICK WM. KRAUSE, OF SAND CREEK, WISCONSIN.

HORSE-COLLAR PAD.

SPECIFICATION forming part of Letters Patent No. 389,478, dated September 11, 1888.

Application filed May 24, 1888. Serial No. 274,918. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WILLIAM KRAUSE, a citizen of the United States of America, residing at Sand Creek, in the county of Dunn and State of Wisconsin, have invented certain new and useful Improvements in Horse-Collar Pads; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in horse-collar pads, the object of the same being to provide a pad having a raised bar adjustably connected to two end pads adapted to lie longitudinally upon the neck of a horse, over which the collar is placed to prevent it coming in contact with the neck.

The invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims:

Prior to my invention it has been proposed to provide horse-collar pads with two saddles connected by a bar or bars to hold the collar above the neck of the horse; but owing to a peculiarity of construction such devices have not come into general use. I therefore do not claim such device, broadly, mine being designed as an improvement thereon.

In the accompanying drawings, Figure 1 is a top view of a collar-pad constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view taken through the line *x x* of Fig. 1. Fig. 3 is a sectional view taken through the line *y y*. Fig. 4 is a view showing the application of my improved collar-pad.

A refers to a bridge or connecting piece, which is slightly hollowed out centrally transversely, as shown at *a*, at which point it is also slightly increased in size laterally to give rigidity to the same. The end portions, *A'*, of this bridge are provided with perforations *a'*, through which projecting pins *b*, formed integral with or attached to the back piece, B, of the pads, pass. These upwardly-projecting pins are provided with transverse perforations

for the reception of spring-keys for retaining the bridge thereon, as well as the strap and buckle.

The back pieces of the pads are provided on each side of the pins with upward projections or stops C C, which may be attached to or formed integral with the back piece, B. These stops C limit the sidewise movement of the pads and avoid the tendency of the pads to assume an irregular and disadvantageous position, due to their pivotal connection with the bar A, but permit the said pads to have sufficient movement to accomplish the desired purpose. These back pieces are provided at their edges with a line of perforations, through which stitches can be passed for attaching a flexible or cushion pad thereto.

To one of the projecting pins *b*, by means of a spring-key, is attached a loop having a buckle which is adapted to engage with a strap the end of which is connected to the opposite pin *b*. This strap is adapted to be passed over a horse-collar to retain it upon the curved portion of the bridge, and said collar is also held in place by the projections C, attached to the portion B of the pads.

The pads can be adjustably connected to the bridge, as the same is provided at each end with two or more perforations.

The device hereinbefore described is adapted to be used in connection with horse-collars where the horse has sores upon his neck, so as to protect said sores from irritation from the collar.

The construction hereinbefore described will permit the pads to have a slight rotary movement upon the neck of the horse, which rotary movement is limited by the bridge coming in contact with the upward projections, C, and the perforations *a'* in the bridge are of such a size as to permit the pads B to oscillate slightly beneath the bridge.

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

1. In a pad for horse-collars, the combination of a bridge, A, provided with a concave central portion and perforations *a'*, pads B, having upwardly-projecting pins *b*, and straps secured to said projecting pins, substantially as shown, and for the purpose set forth.

2. The combination, in a horse-collar pad,

of a bridge, A, the central portion of which is
concave in cross-section, said bridge having
perforations a' , the pads B B being cushioned
on their under sides and provided on their up-
5 per portion with upwardly-projecting pins of
less diameter than the perforations a' , projec-
tions C C, and straps connected to the pins b
 b , substantially as shown, and for the purpose
set forth.

10 3. In a horse-collar pad, the combination,
with the pads provided with upwardly-pro-
jecting studs and extended guides or stops on

each side of said studs, of the bridge-piece
having a series of apertures adjacent to the
ends thereof, whereby the pads are made ad- 15
justable on the bridge and limited as to side-
wise movement, substantially as described.

In testimony whereof I affix my signature in
presence of two witnesses.

FREDERICK WM. KRAUSE.

Witnesses:

WILLIS E. KRAUSE,
OLE NOER.