

D. CURTIS.
Harness Collar Pad.

No. 230,926.

Patented Aug. 10, 1880.

Fig. 1.

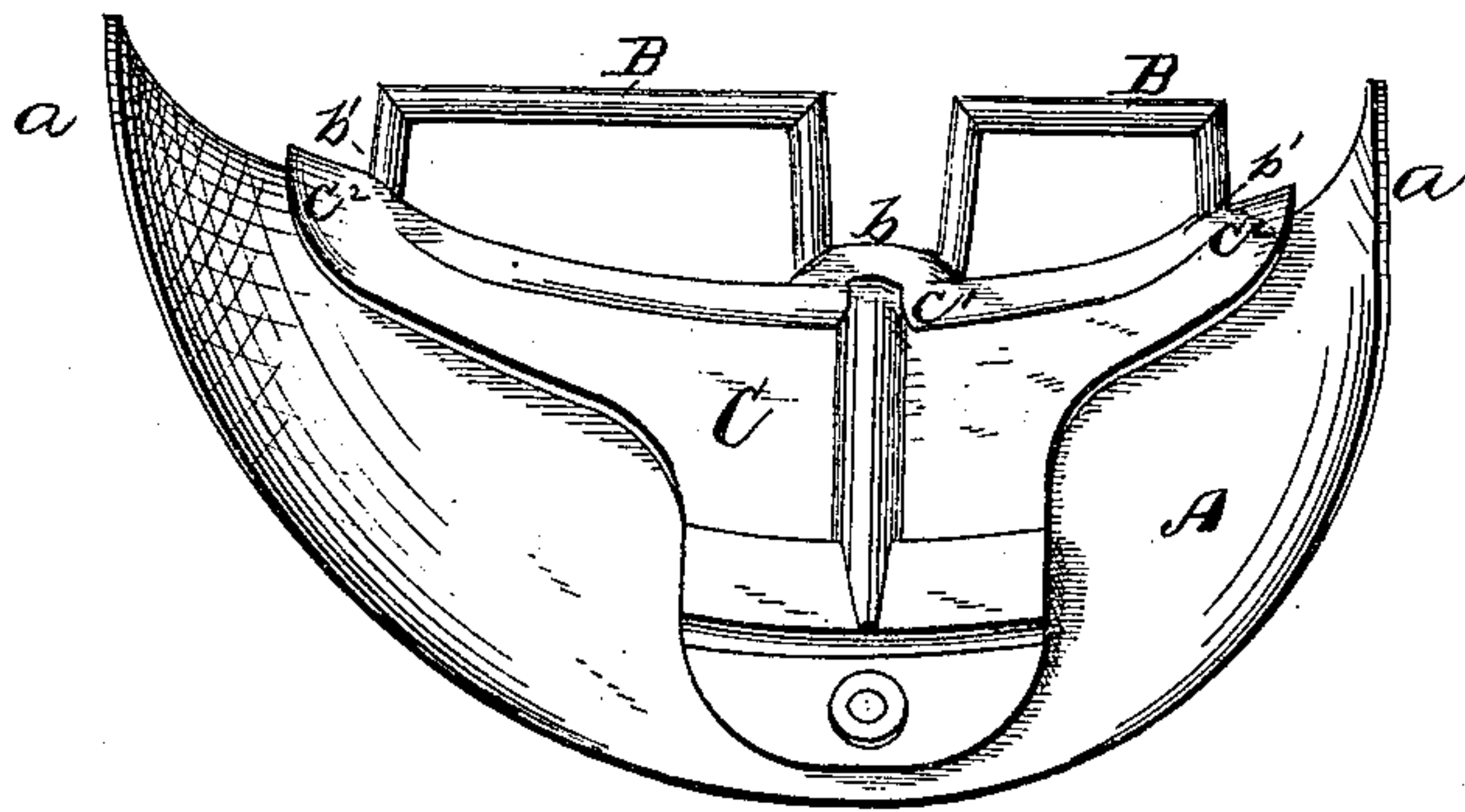
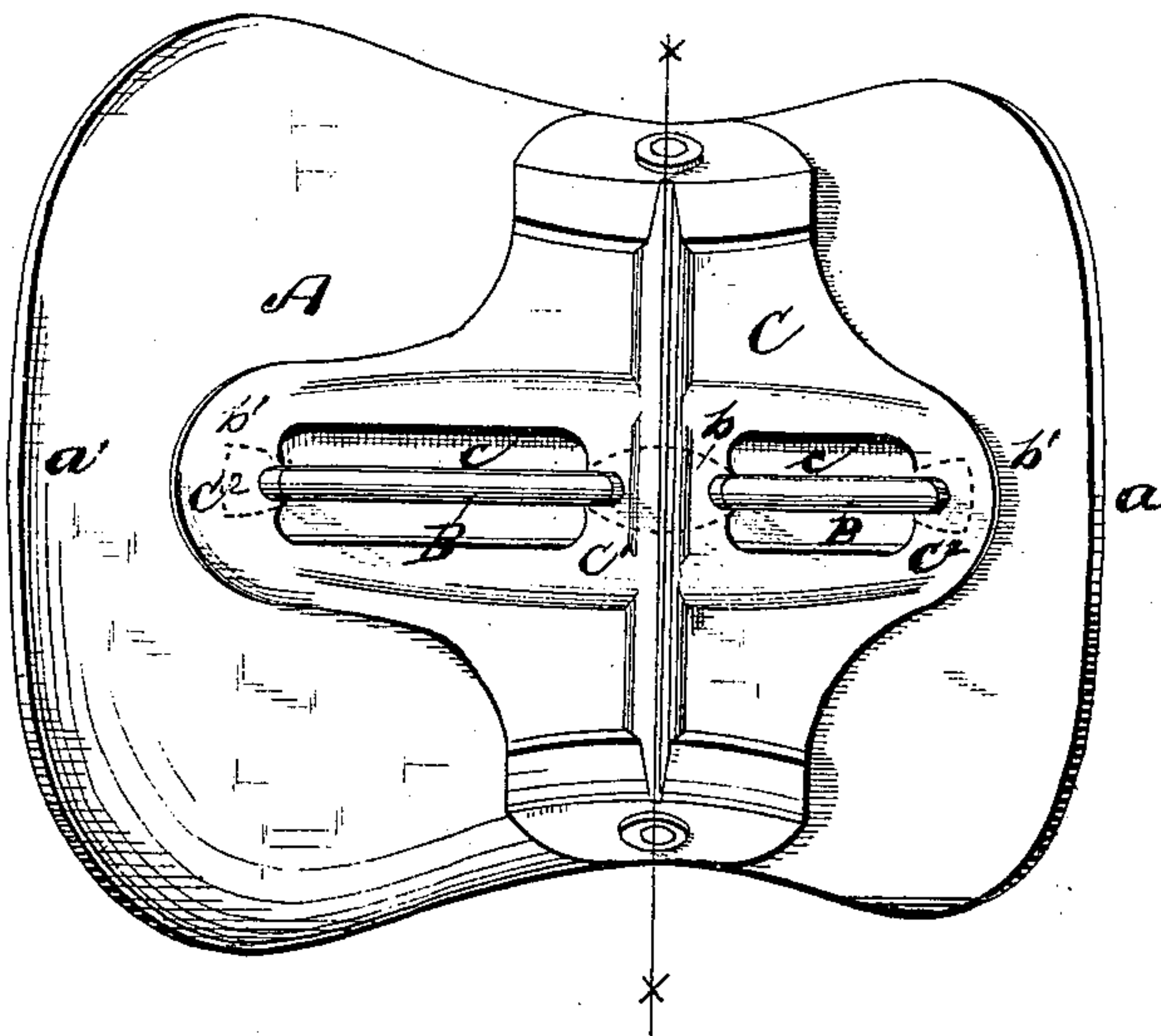


Fig. 3.



Witnesses,
W. H. Knight,
W. Blackstock

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Dexter Curtis,
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Fig. 2.

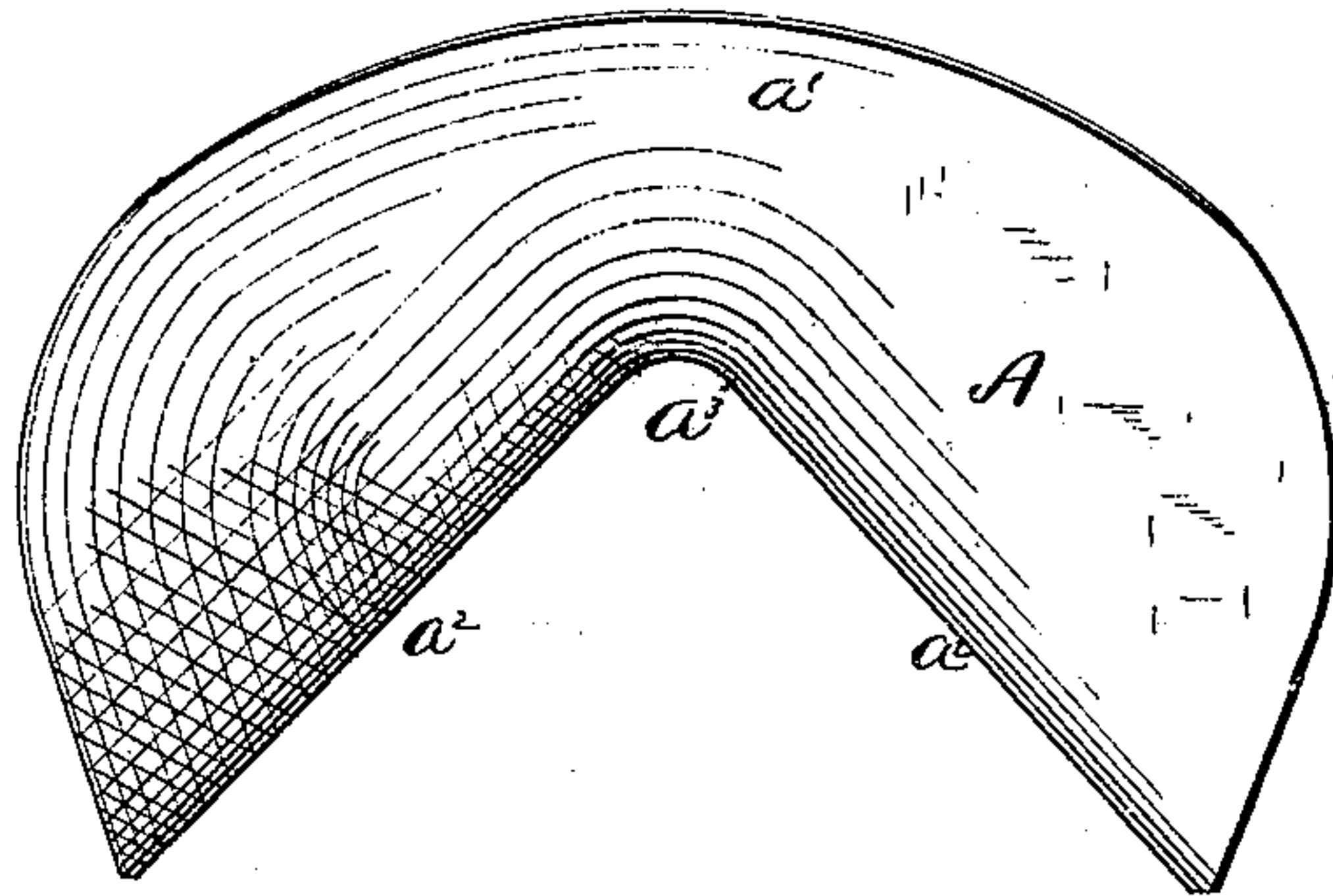
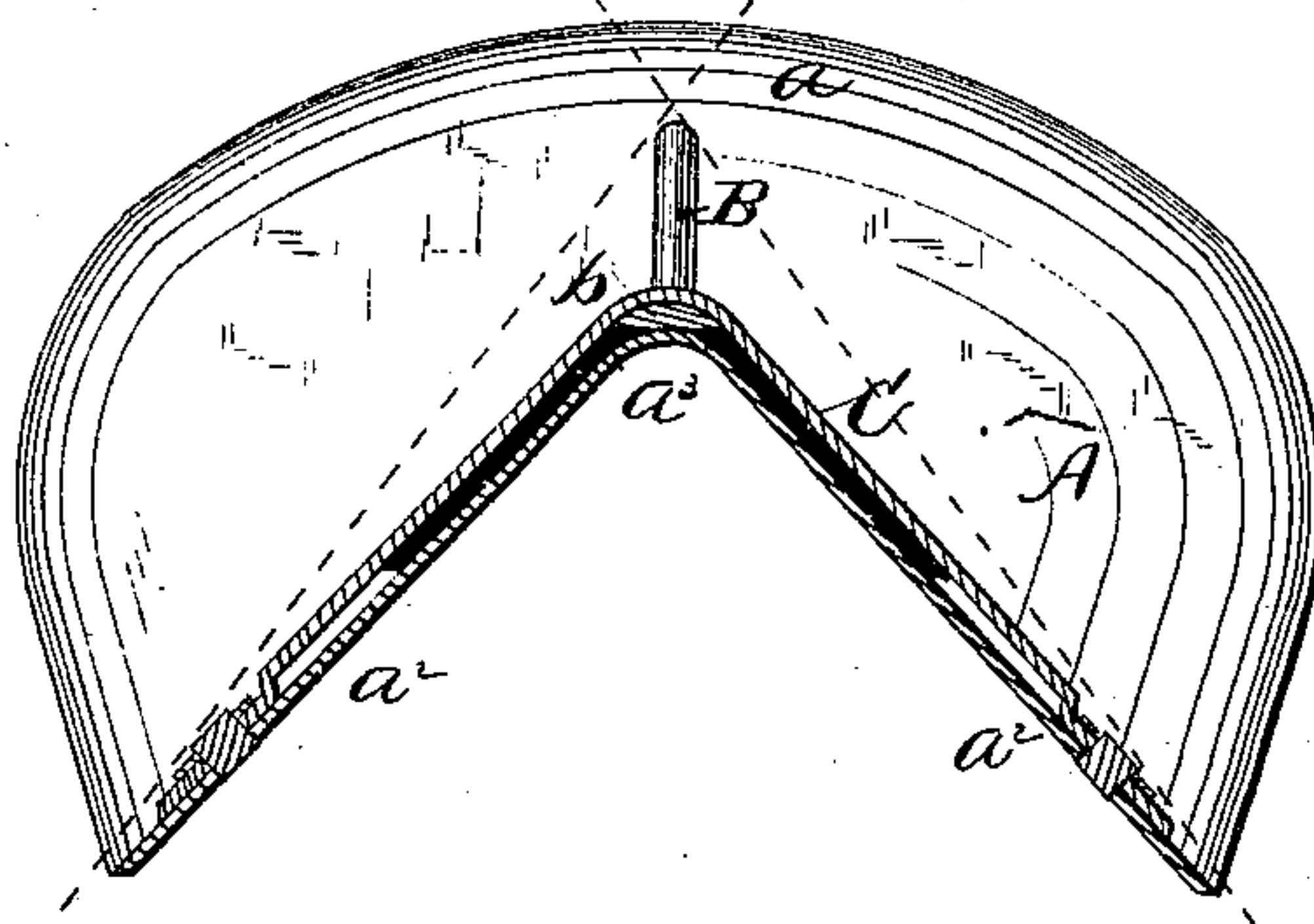


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UNITED STATES PATENT OFFICE.

DEXTER CURTIS, OF MADISON, WISCONSIN.

HARNESS-COLLAR PAD.

SPECIFICATION forming part of Letters Patent No. 230,926, dated August 10, 1880.

Application filed June 30, 1879.

To all whom it may concern:

Be it known that I, DEXTER CURTIS, of Madison, in the county of Dane and State of Wisconsin, have invented a certain new and Improved Harness-Collar Pad; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, a rear elevation; Fig. 3, a top plan, and Fig. 4 a transverse section in line *x x* of Fig. 3.

Similar letters of reference in the several figures denote the same parts.

This invention relates to that class of harness-collar pads described and shown in my Letters Patent No. 105,917, dated August 2, 1870, reissued, No. 5,251, dated January 21, 1873, and again reissued, No. 5,443, dated June 10, 1873, and No. 126,681, dated May 14, 1872, and is an improvement thereon.

The invention consists, primarily, in combining with a pad an elevated loop or loops arranged on the back of the pad and projecting up far enough to enable the ends of the collar to be strapped closely against said loop or loops, and a securing-plate for holding the loops firmly in position; and, secondly, in the peculiar construction of the loops and the securing-plate and their combination with each other, substantially as will be hereinafter fully described.

In the drawings, A is the zinc or other metal pad, having its front and rear ends curved upward, as shown at *a a'*, in the usual manner, and having its two sides substantially flat and straight, as shown, and inclined permanently to each other at an angle of about ninety degrees, and united by a short curve, *a³*.

On the back of the pad, at the top thereof, are arranged a metal loop or loops, B B. The loops are made of a rigid piece or pieces of metal bent in substantially the form shown, said metal being of wire or other narrow shape and dimensions, which will enable the sides of the collar to be drawn closely together at the top of the pad.

The pad thus constructed may be covered with leather or other material, if desired; but I prefer to use the pad without such cover. The straight inclined sides of the pad permit the sides of the collar to come closely together immediately above the pad, and the narrow loops, not interfering with the sides thus coming together, furnish a surface against which they may be firmly held by the connecting-straps.

I prefer to make both loops of a single piece of stout metal wire bent down near the middle, as shown at *b*, and at each end, as represented at *b' b'*.

The plate C is struck up with two slots, *c c*, which permit it to be placed over the loops and fitted down upon the pad, the tongue *c'* between the slots overlapping the flattened neck *b*, and the rims *c² c²*, outside of the slots, overlapping the flattened ends *b' b'* of the wire.

The plate should be struck up with indentations or grooves in its under surface to fit accurately over and around the sides of that part of the wire inclosed between it and the pad, for the purpose of holding the wire more securely, preventing any depression of the pad-surface beneath, and rendering the structure neater and more ornamental in appearance.

The loops should be about of such height as to meet the planes of the sides, produced, as shown in dotted in lines in Fig. 4, at the point of their intersection.

Having thus described my invention, I claim as new—

1. The combination of the sheet-metal pad A with the wire loop or loops B and the securing-plate C, substantially as described.

2. The wire loop or loops B, having expanded or flattened supporting-surfaces *b b'*, in combination with the pad A and the plate C, provided with the holding-tongues *c c'*, substantially as described.

DEXTER CURTIS.

Witnesses:

L. HILL,

W. BLACKSTOCK.