

A. FOLEY.
HORSE COLLAR PAD.

No. 190,428.

Patented May 8, 1877.

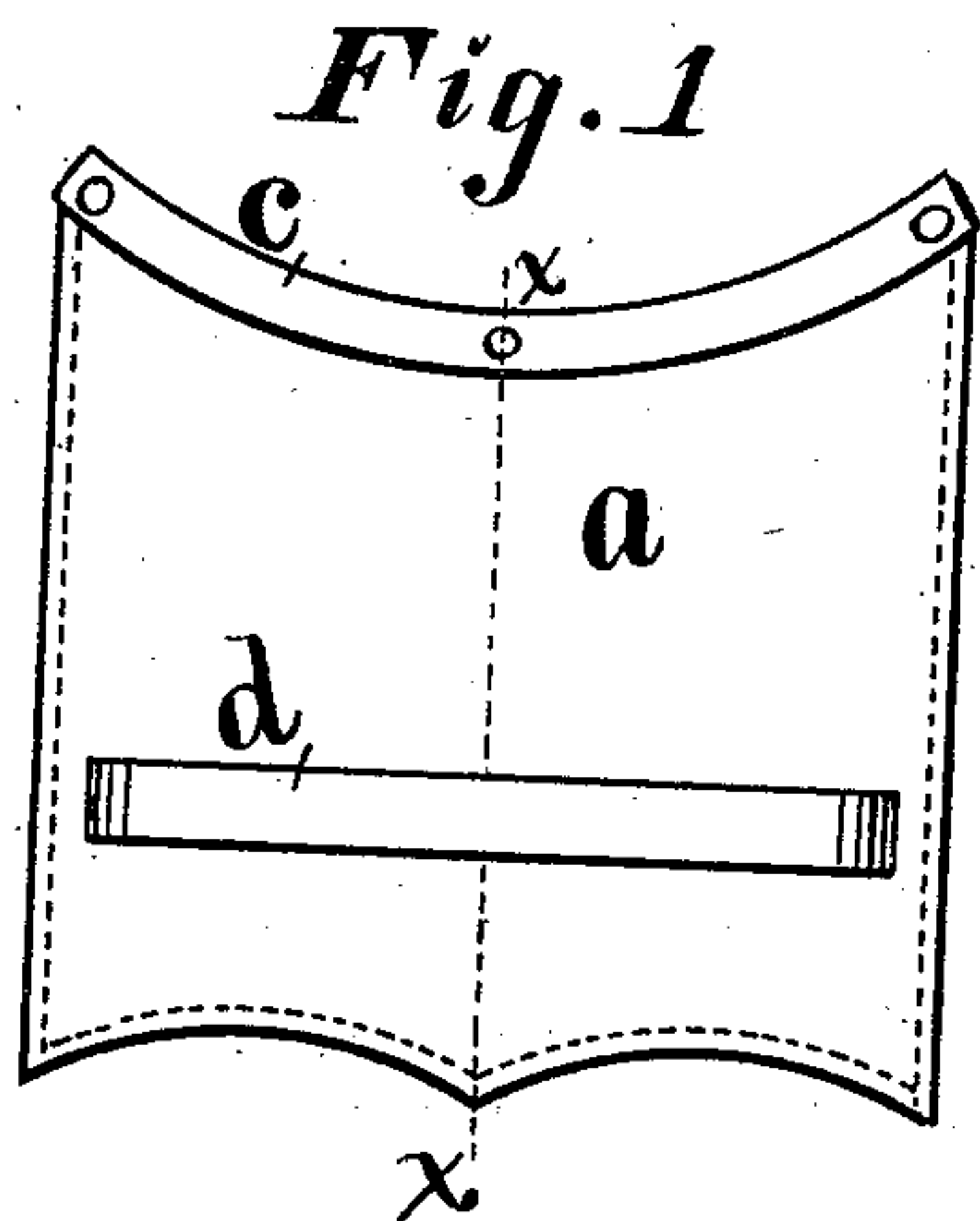


Fig. 2

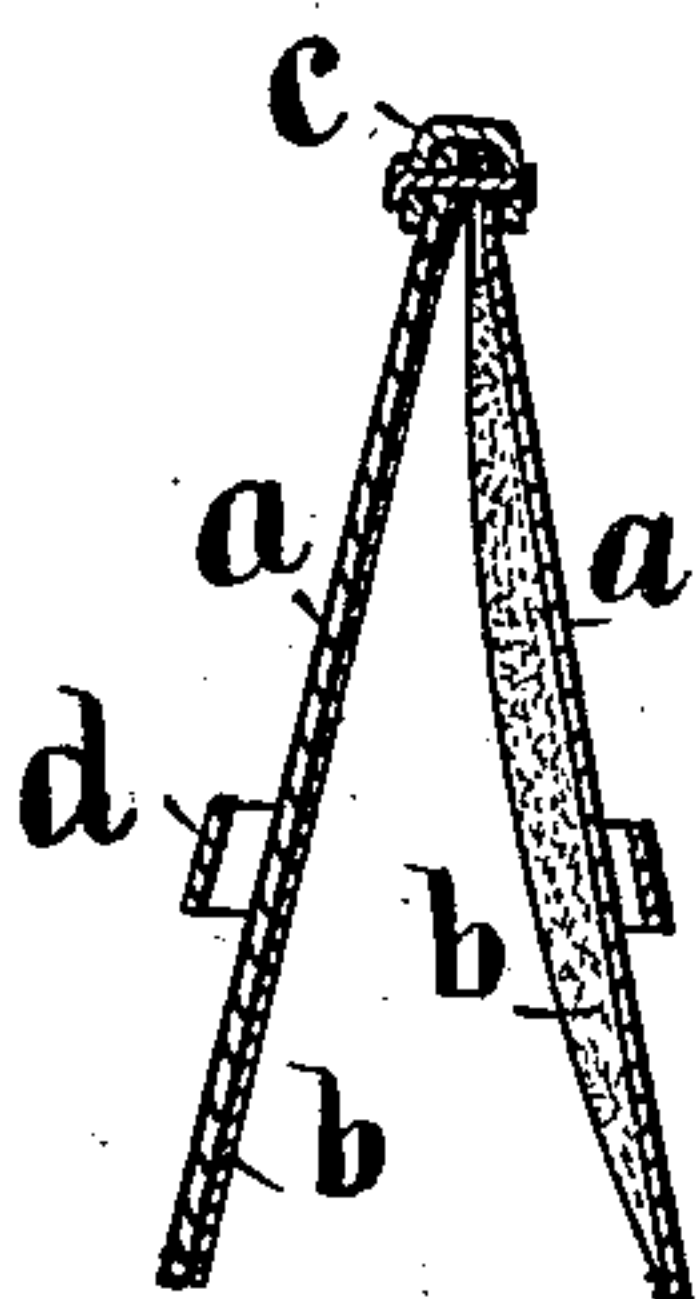
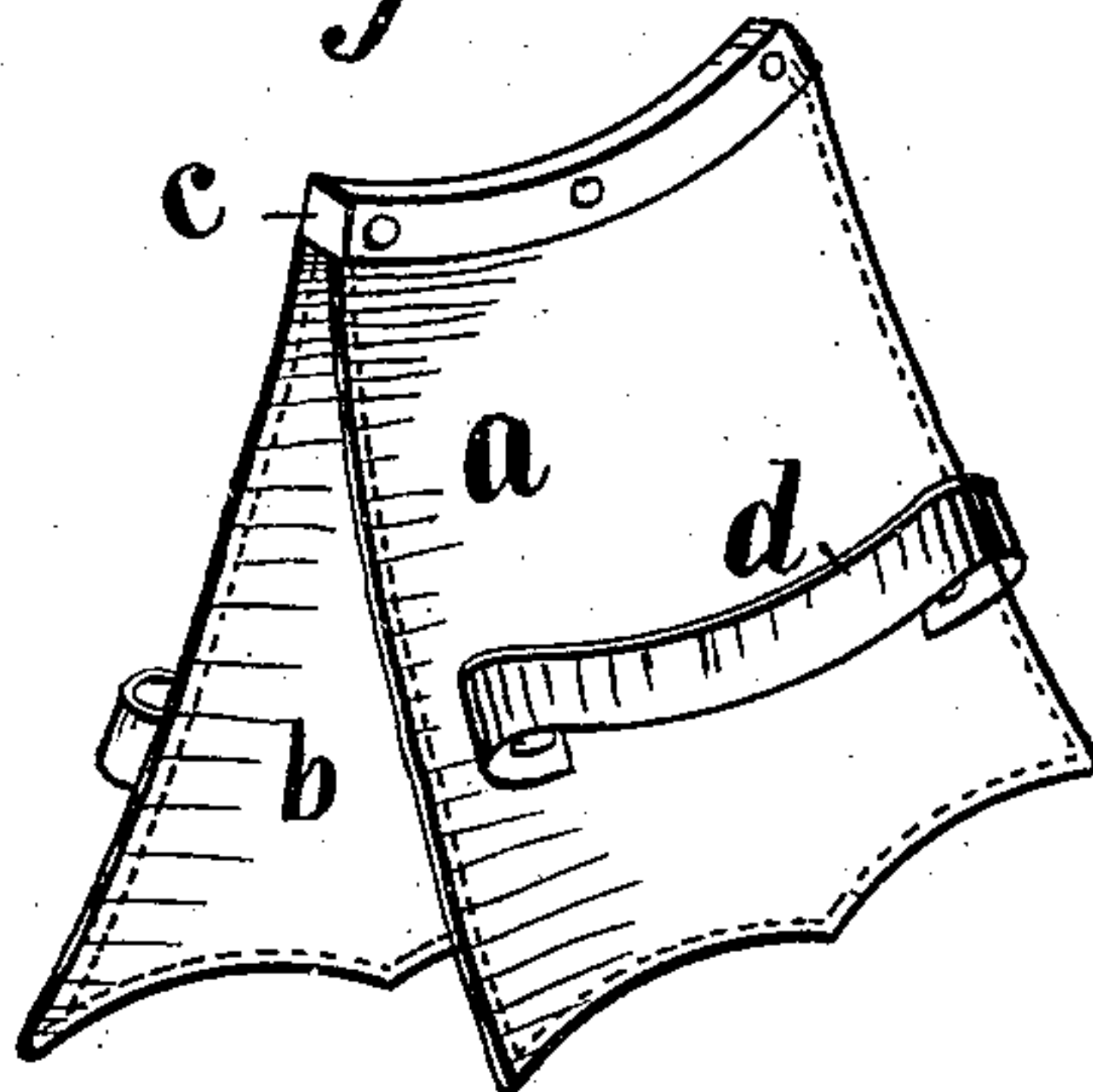


Fig. 3



Witnesses:

W. H. Walling
J. M. Sandford

Inventor:

Andrew Foley,
By Thomas G. Orwig,
Attorney.

UNITED STATES PATENT OFFICE.

ANDREW FOLEY, OF ATLANTIC, IOWA, ASSIGNOR OF TWO-THIRDS HIS
RIGHT TO J. J. HARDING AND J. A. McWAID, OF SAME PLACE.

IMPROVEMENT IN HORSE-COLLAR PADS.

Specification forming part of Letters Patent No. **190,428**, dated May 8, 1877; application filed
February 3, 1877.

To all whom it may concern:

Be it known that I, ANDREW FOLEY, of Atlantic, in the county of Cass and State of Iowa, have invented an Improved Horse-Collar Pad, of which the following is a specification:

The object of my invention is to construct a pad in such a manner that it will have a rigid concave top and back, that cannot come into contact with the animal's neck, and that will aid in retaining the flexible and self-adjusting sides of the pad in proper position to fit animals of various sizes, and at all times admit air to circulate under the pad to ventilate the animal's neck, and thereby prevent chafing. It consists in forming a pad of two uniform flexible sides, in such a manner that they will form an acute angle and have a curved and rigid longitudinal and central top rim or back, as hereinafter fully set forth.

Figure 1 of my drawing is a side elevation of my improved pattern and form of pad. Fig. 2 is a vertical cross-section view through the line *x x* of Fig. 1. Fig. 3 is a perspective view of a complete pad.

Together they fully illustrate the construction and operation of my invention.

a represents the outside part of one side of my complete pad. It is preferably a piece of good harness-leather; but any suitable flexible material may be substituted for the leather. It has straight sides and a curved or concave top edge. The bottom is scalloped, but may be straight or curved, as desired. *b b* (shown in Figs. 2 and 3) is a piece of sheep-skin, cloth, or other suitable flexible material, corresponding in size and shape with the part *a*, secured as a lining on the insides of the pieces *a* by stitching them together around their edges, or in any suitable way. They may be padded and cushioned, or hair or other suitable filling may be stuffed between the parts *a* and *b*.

When two sides of a pad are thus separately formed they are then joined together at their curved top edges by stitching, riveting, or in any suitable way to form a rigid concave back in the top and center of the pad.

c is a metal rim, clamped and riveted over the curved top edge of the joined sections, to protect the leather from wear, and to aid in keeping the concave back of the complete pad entirely rigid. *d d* represent loops, riv-

eted or otherwise secured on the outside of the pad, to connect the pad with the horse-collar and to keep it in proper place.

In the practical operation of my improved pad the respective flexible sides *a b* will readily spread apart, or close together, and adjust themselves on the necks of different animals until the pad fits, and in so doing will not come in contact with the top surface of the animal's neck. The apex of the acute angle formed by the two sides will always be open above the neck of the animal, to allow air to circulate between the animal's neck and the rigid back of the pad. Ventilation is thus always provided and chafing the animal's flesh is thereby prevented.

The concave in the back *c*, together with its stiffness, aids in keeping the complete pad in a central position relative to the collar and the harness-hames by keeping their fastenings from slipping from the pad; and the complete pad, by thus keeping all parts in proper place, provides comfort and protection to the animal, prevents chafing, or allows chafed and sore necks to heal.

I am aware that metal pad-trees have been used to preserve a vacant space between the animal's neck and the pad, and that two uniform flexible sides of a pad have been formed concave on their top edges to form a concave back. But I claim that my manner of clamping the concave top edges together with a rigid and concave metal binding-plate and back to retain an acute angle between the two flexible sides, and to thereby keep the pad away from the top edge of the animal's neck, and provide ventilation for it at all times, and also to form a metal bearing for the collar and hame fastenings, to thereby preserve the leather of the pad from wearing off, is a new and valuable improvement.

I claim as my invention—

As an improved article of manufacture, a horse-collar pad having two uniform flexible sides, *a b*, formed concave at their top edges, said edges being joined together by a rigid metallic clamping-plate, *c*, substantially as and for the purposes set forth.

ANDREW FOLEY.

Witnesses:

H. F. SHARP,
C. E. MARKS.