

2 Sheets-Sheet 1

J. G. Taylor,

Harness.

N^o 30,775.

Patented Nov 27, 1860.

Fig. 1.

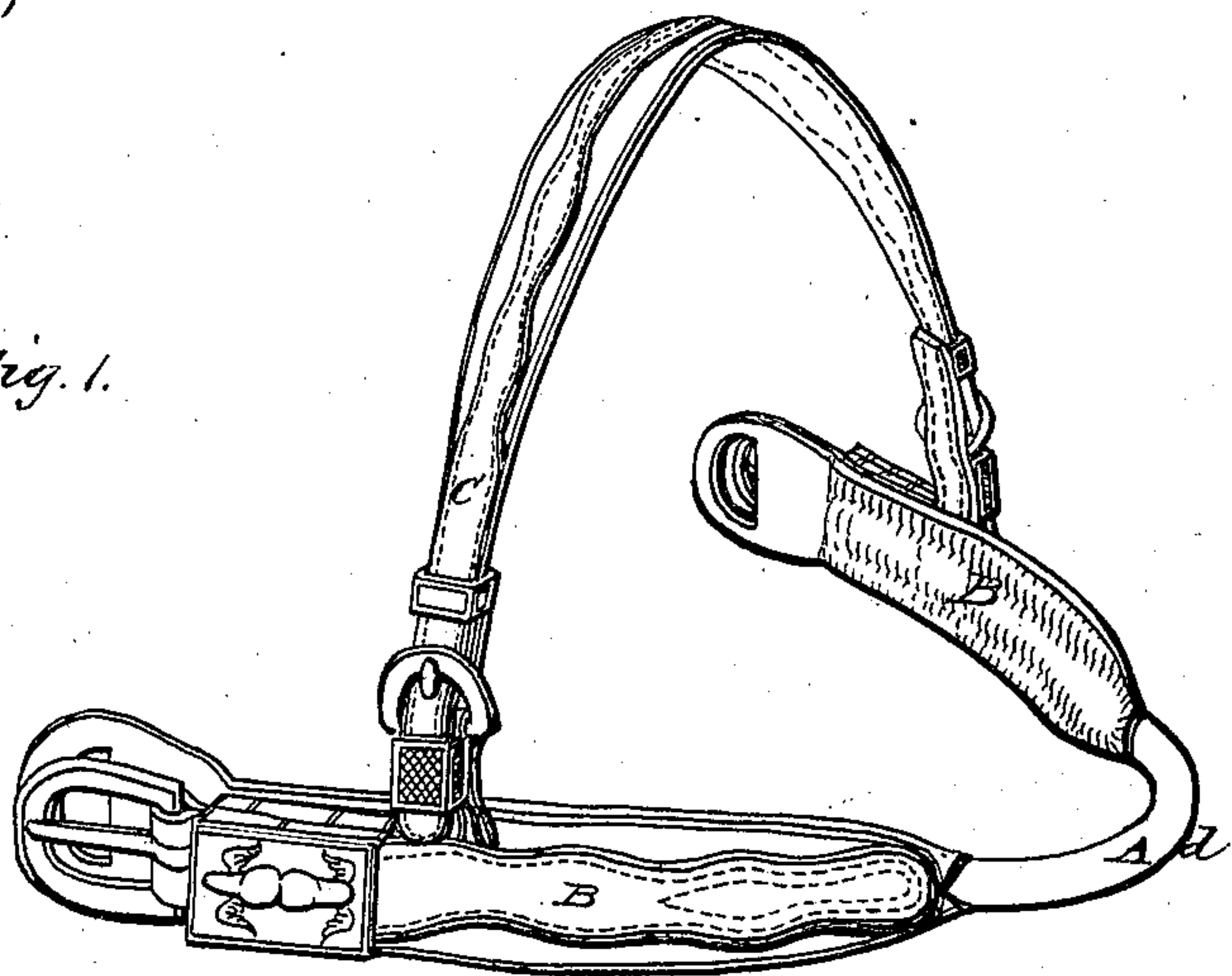
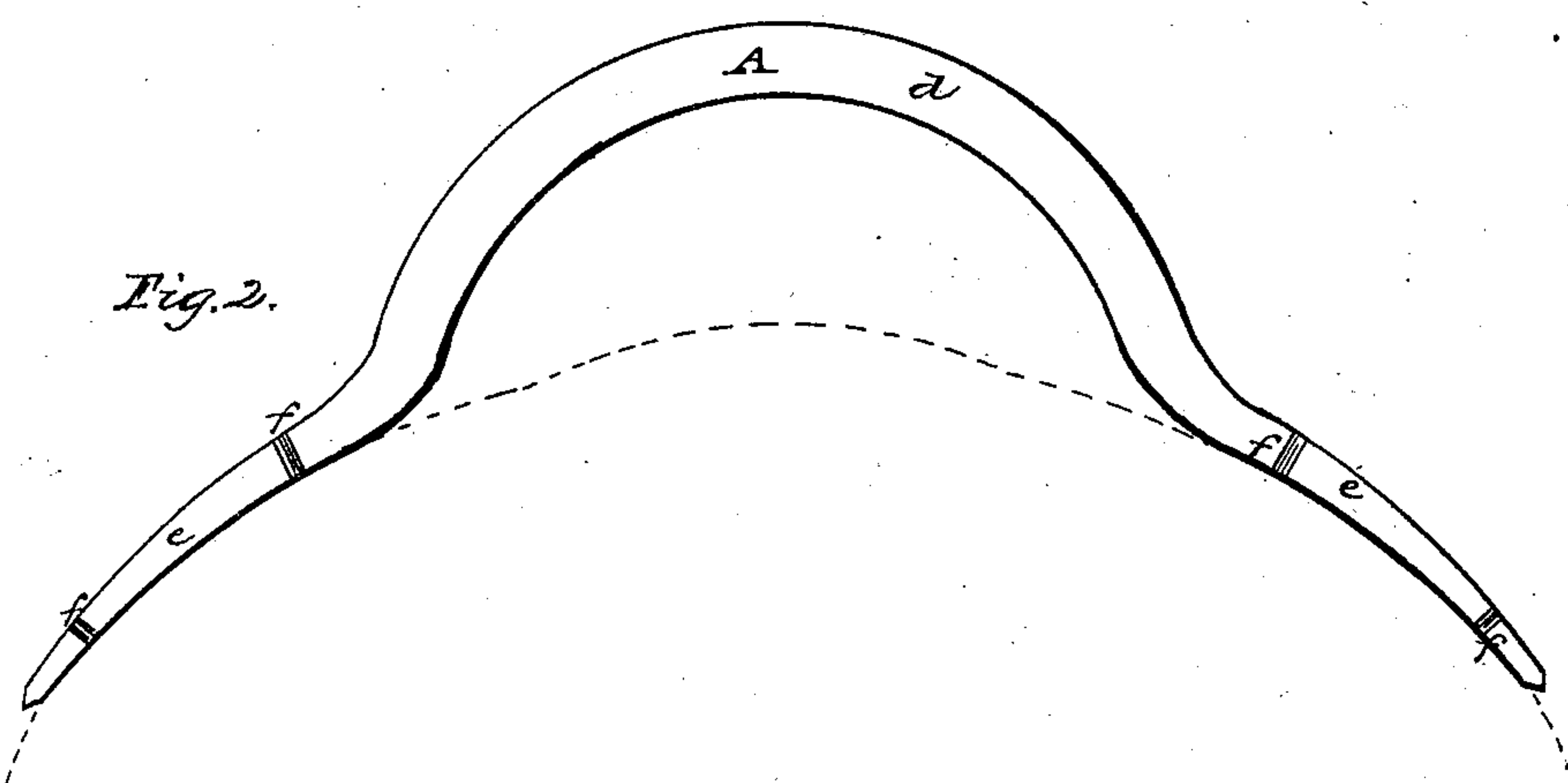


Fig. 2.



Witnesses:

Wm. Morrison

James R. Cox

Inventor:

John G. Taylor

2 Sheets Sheet 2

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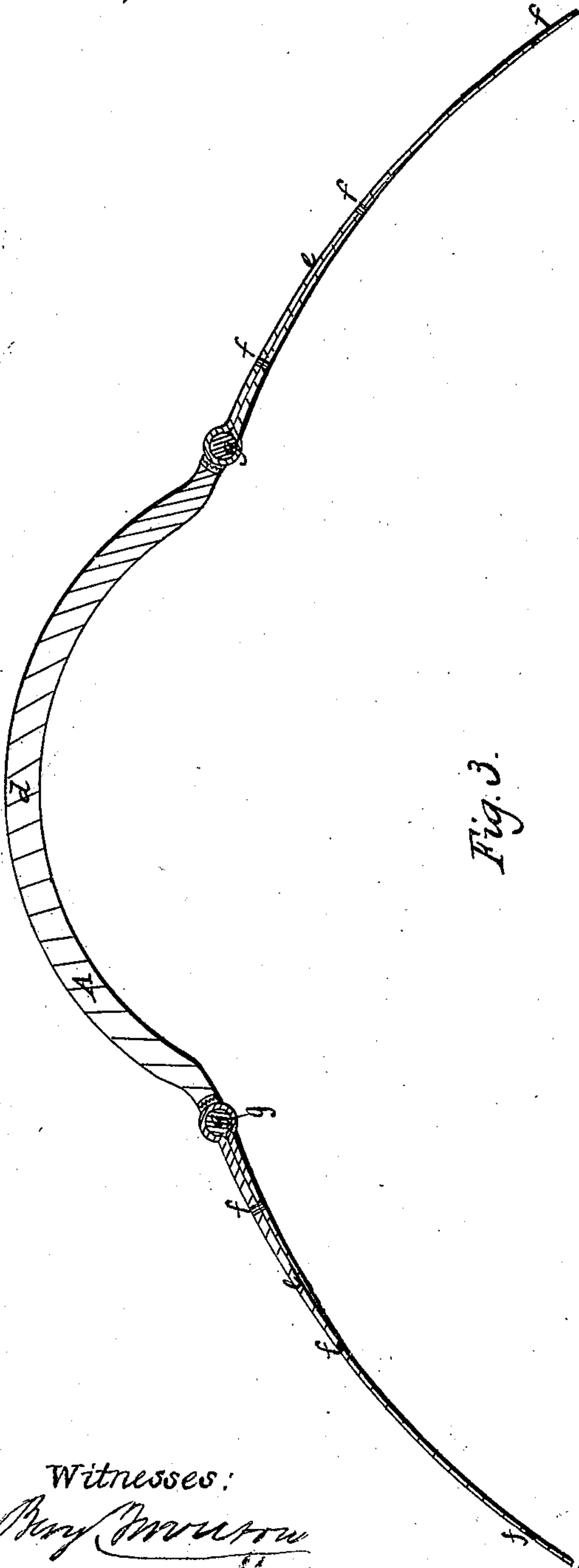


Fig. 3.

Witnesses:

Benj. Morrow

John R. Olden

Inventor:

John G. Taylor

UNITED STATES PATENT OFFICE.

JOHN G. TAYLOR, OF PHILADELPHIA, PENNSYLVANIA.

BREAST-COLLAR FOR HORSES.

Specification of Letters Patent No. 30,775, dated November 27, 1860.

To all whom it may concern:

Be it known that I, JOHN G. TAYLOR, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Breast-Collars for Horses and other Draft-Animals; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a perspective representation of a breast-collar made with a metallic arch or bow projecting in front, for the purpose of avoiding all pressure of the collar upon the wind-pipe and jugular vein of the animal; Fig. 2 a sectional representation of the said arch or bow, as heretofore constructed with rigid elongations or plates for securing it to the trace-tugs; and Fig. 3, a horizontal section of the said arch or bow and plates, connected together by means of hinge-joints.

Like letters when on the different figures, indicating the same parts.

My invention has for its object the production of a breast-collar that, in addition to the advantage afforded by the arch or bow—whereby pressure is avoided upon the wind-pipe and jugular vein of the animal to which it may be applied—will also be self adjusting to the shoulders so that one and the same collar will fit different sized horses without diminishing the said protective function of the arch or bow; and thus, not only making the collar fit better around the shoulders, in any case, but avoiding the sliding or rubbing motion of the padding against the shoulders from the alternating action of the latter in the movements of the horse.

It consists, substantially as hereinafter described, in making the said arch or bow and its two plates, in separate parts connected together by means of hinge-joints which, when the usual padded tugstraps are secured to the said plates, the collar will readily yield at the said joints, so as to adjust itself to fit properly the shoulders of different sized horses, as before stated.

In the drawings, A, represents the arch or bow, B, B, the trace tugs, and C, the neck strap, of a breast-collar.

The bow (A) is made of steel—the cylindrical portion, *d*, being of sufficient diameter or thickness to resist bending in use, and also of sufficient height and span to entirely clear the throat or neck and at the same time reach from shoulder to shoulder of the animal—as indicated by the dotted line of Fig. 2.

The two plates *e, e*, whereby the padded tugs (B, B) are secured to the ends of the bow (A)—by rivets through the holes *f—f*, or otherwise—have heretofore been made as rigid elongations of the said bow—as seen in Fig. 2—and consequently the collar would not fit the shoulders of more than one size of horses. In order, therefore, to adapt one and the same collar to fit the shoulders of different sized animals, as before stated, I connect the said plates (*e, e*,) to the ends of the bow (A) by means of the hinge-joints *g, g*, as seen in Fig. 3, and then cover the said joints with the leather of the usual tugs (B, B) so as to present the finished appearance seen at these parts in Fig. 1; consequently, when the collar, so hinged, is applied, the padded tugs (B, B) will readily adjust themselves to the shoulders of very different sized horses, without varying the form or position of the protecting arch or bow (A). The adjustability thus afforded, I have found, by experience, to be sufficient to adapt one and the same collar to fit the shoulders of a horse weighing 2000 pounds, as well as those of a horse weighing only 800 to 900 pounds—while in either case the throat and jugular vein were left entirely free from all pressure.

Having thus fully described my improvement in breast-collars, and pointed out its superior utility, what I claim as my invention and desire to secure by Letters Patent is,—

A breast-collar having the projecting, metallic arch, or bow, (A) articulated, or jointed to the tugs (B, B) substantially in the manner described and for the purposes specified.

JOHN G. TAYLOR.

Witnesses:

BENJ. MORISON,
JAMES DIX.