

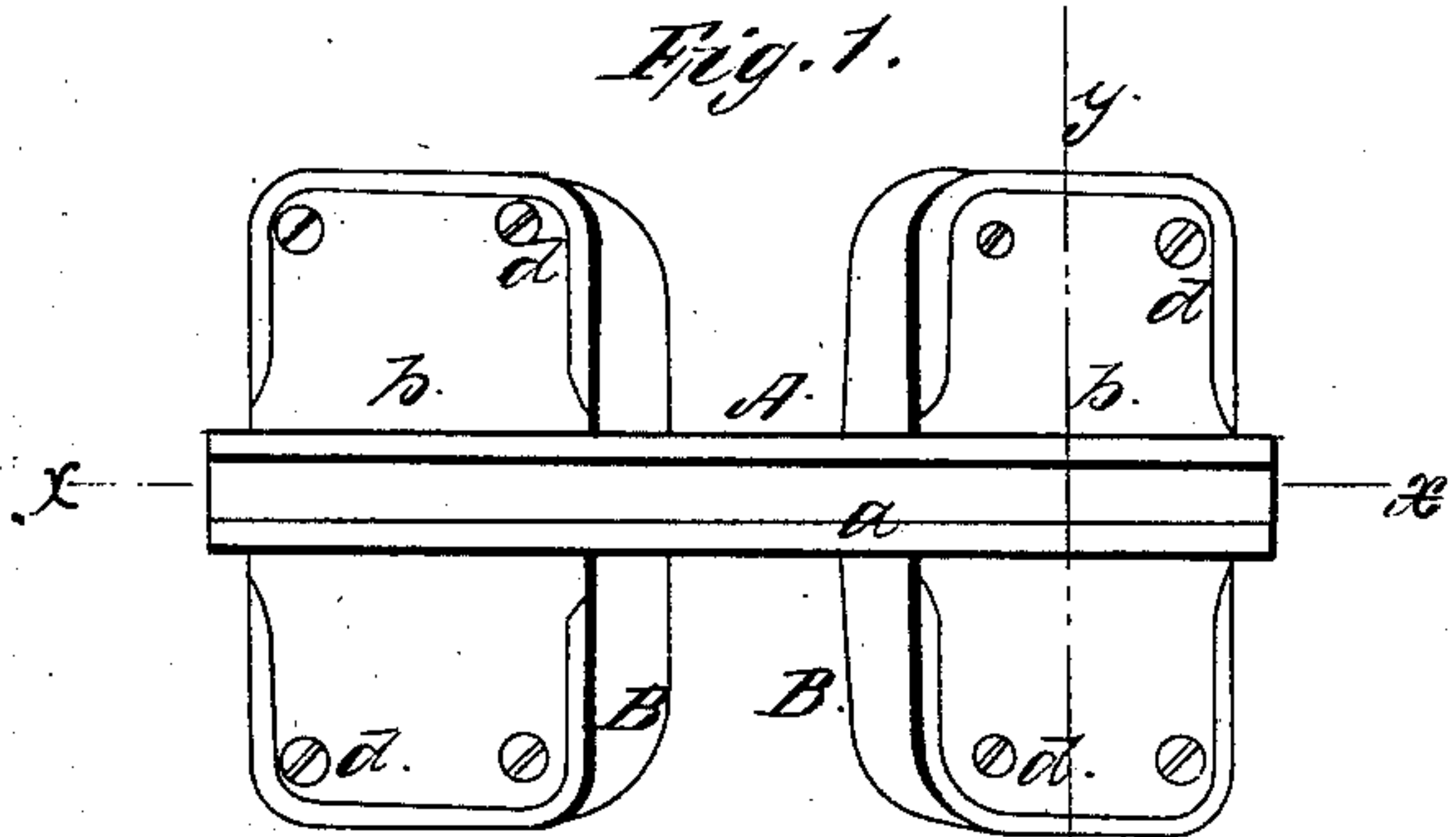
*J. Bea,*

*Harness Trimming.*

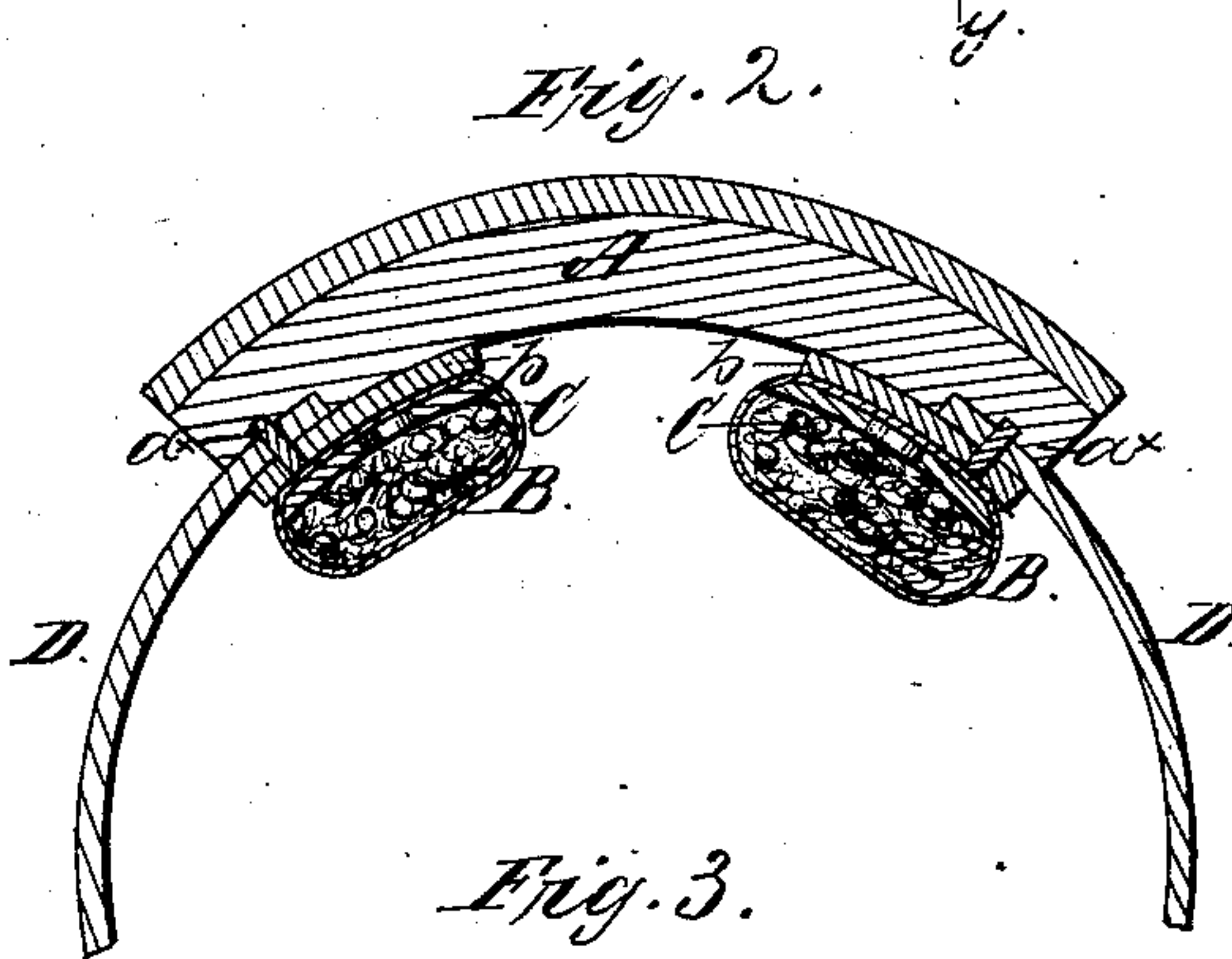
*N<sup>o</sup> 69,749.*

*Patented Oct. 15, 1867.*

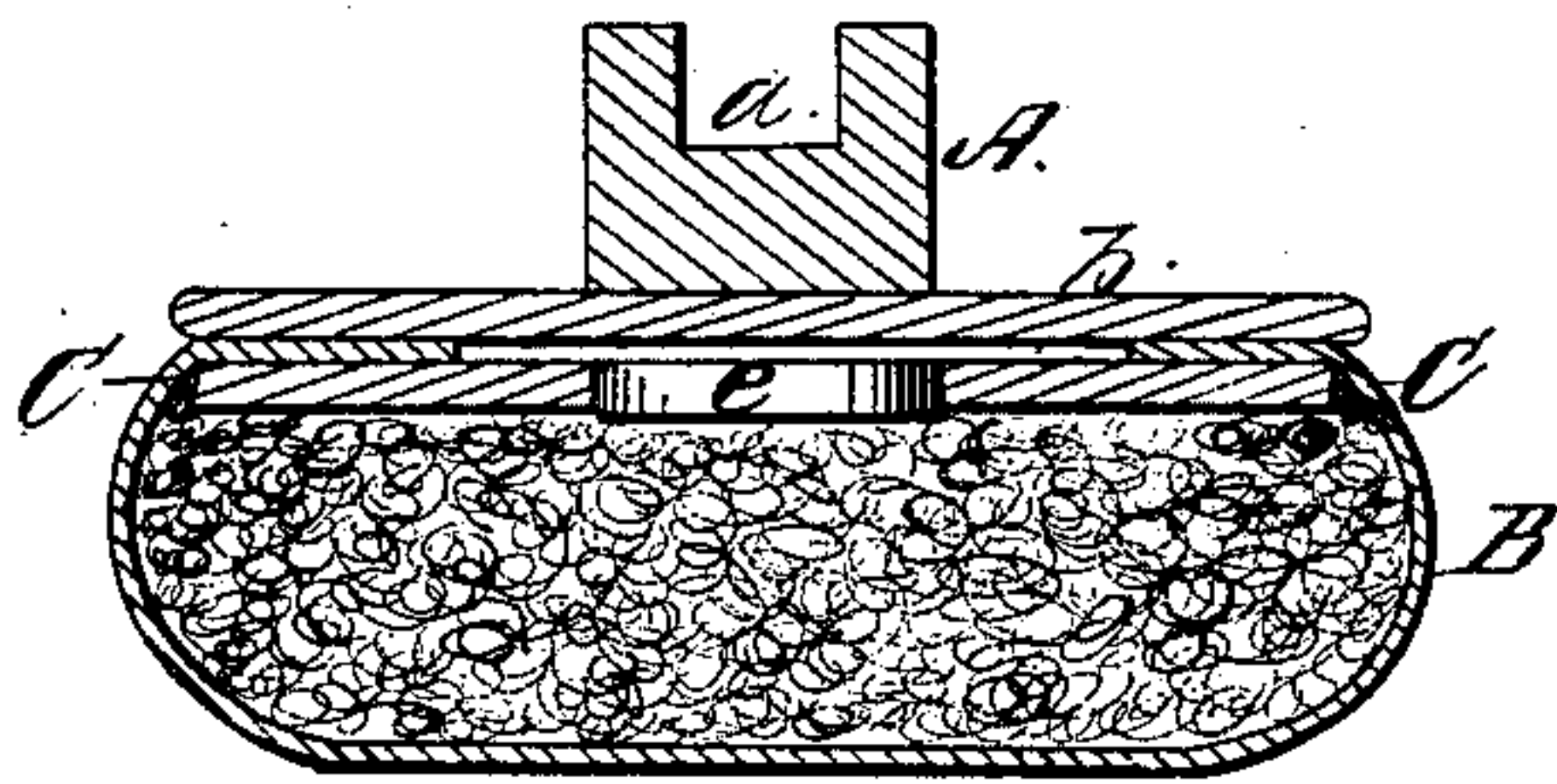
*Fig. 1.*



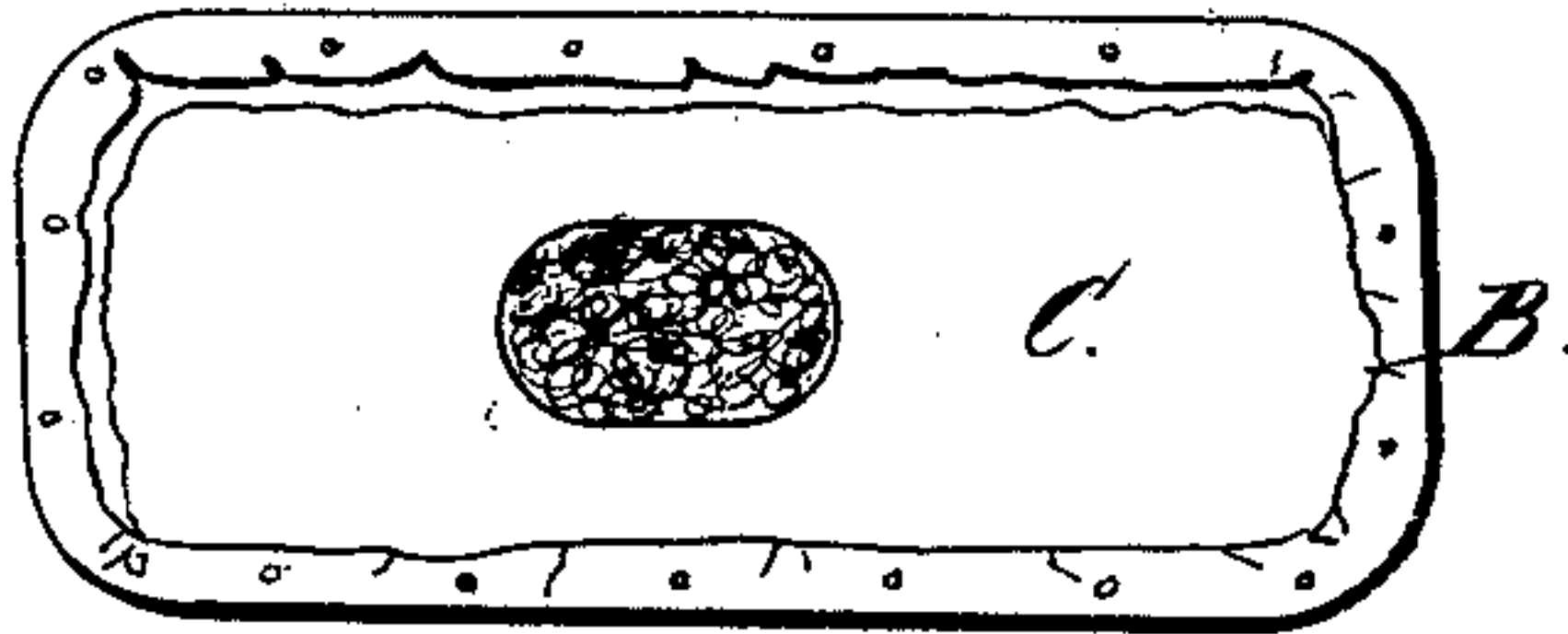
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses:*

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# United States Patent Office.

JOHN BEA, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF AND  
TIMOTHY D. GLADSON, OF BOONTON, NEW JERSEY.

*Letters Patent No. 69,749, dated October 15, 1867.*

## IMPROVEMENT IN CART-SADDLES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN BEA, of Newark, in the county of Essex, and State of New Jersey, have invented a new and improved Cart-Saddle, and that the following description, taken in connection with the accompanying drawings hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

This invention relates to a new and useful improvement in saddles which are used with cart-harnesses, and by which the horse is made to sustain a portion of the load of the cart.

The invention consists in a novel manner of constructing the saddle, whereby the same may be manufactured at a much less cost than hitherto, and equally as good a saddle obtained. In the accompanying sheet of drawings—

Figure 1 is a plan or top view of my invention.

Figure 2, a longitudinal vertical section of the same, taken in the line *x x*, fig. 1.

Figure 3, a transverse vertical section of the same, taken in the line *y y*, fig. 1.

Figure 4, a detached inverted plan of one of the pads pertaining to the same.

Similar letters of reference indicate like parts.

A represents a curved bar or bow, constructed of hard wood, perfectly rigid, and having a groove, *a*, made in its upper surface, and extending its whole length, in order to receive the chain which sustains the thills of the cart. To the under side of the curved bar or bow A there are firmly secured two wooden plates, *b b*, one near each end, said plates being secured to the bar or bow by bolts, screws, or other suitable means. B B represent the two pads of the saddle, which are each constructed by tacking leather or any suitable flexible or textile fabric to a wooden plate, C. The plates C are about equal in dimensions to the plates *b b*, which are secured to the bar or bow A, and the pads are stuffed by inserting a filling of tow or other suitable material into them through a hole, *c*, in each plate C, (see fig. 4.) When the pads are properly stuffed, the plates C are secured to the plates *b* by means of screws *d*. By this arrangement the pads may be very expeditiously manufactured, and at a very small expense.

The construction of the pads of cart-saddles has hitherto been attended with considerable trouble and expense, as a complete case is required of leather or other flexible material, and stuffed or padded in proper shape. The tacking of the flexible material to a wooden plate, C, may be done in a short time, and without any difficulty whatever in getting a proper shape, and the pads may be stuffed with the greatest facility through the openings in the plates, and the latter readily secured to the plates *b* of the bar or bow.

D D are leather straps, to which the girth is secured. These straps are secured by screws or nails, *a x*, between the ends of the bar or bow A and the plates *b b*, as shown clearly in fig. 2.

The whole arrangement is extremely simple and efficient, and may be constructed by persons of ordinary ability, skilled mechanics not being required in order to make a neat saddle.

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

1. The plates *b b*, attached to the bar or bow A, one at each end, in combination with the plates C C, having holes *c* made in them, and leather or other flexible material attached, which are stuffed to form pads B, substantially as shown and described.

2. The straps D D, attached to the saddle-tree between the ends of the bar or bow A and the plates *b b*, when said straps are applied to or used in combination with a cart-saddle, constructed in the manner substantially as herein shown and described.

JOHN BEA.

Witnesses:

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D. LAUCK.