

(Model.)

J. STRAUS.
HARNESS.

No. 249,267.

Patented Nov. 8, 1881.

Fig. 1.

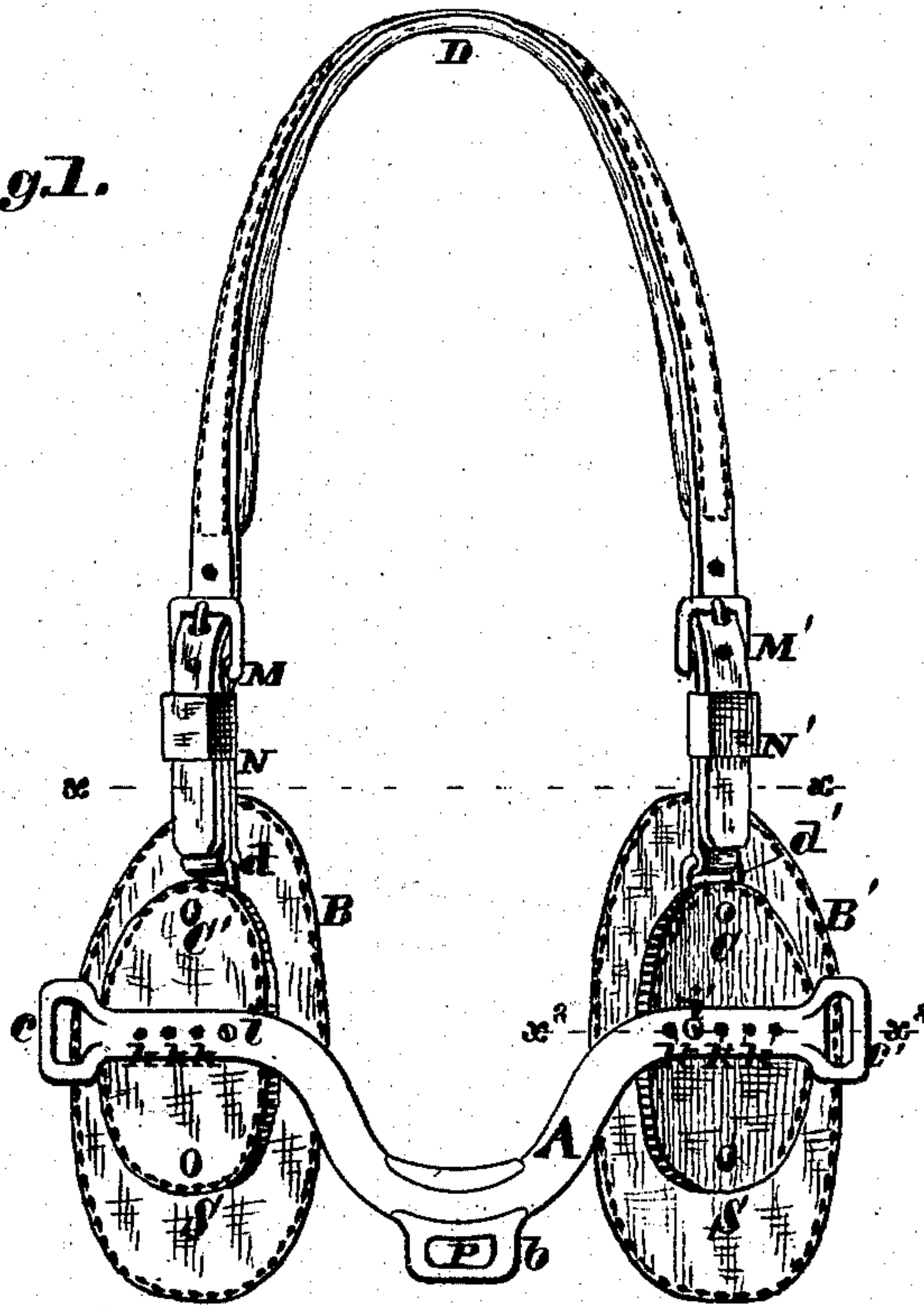


Fig. 2.

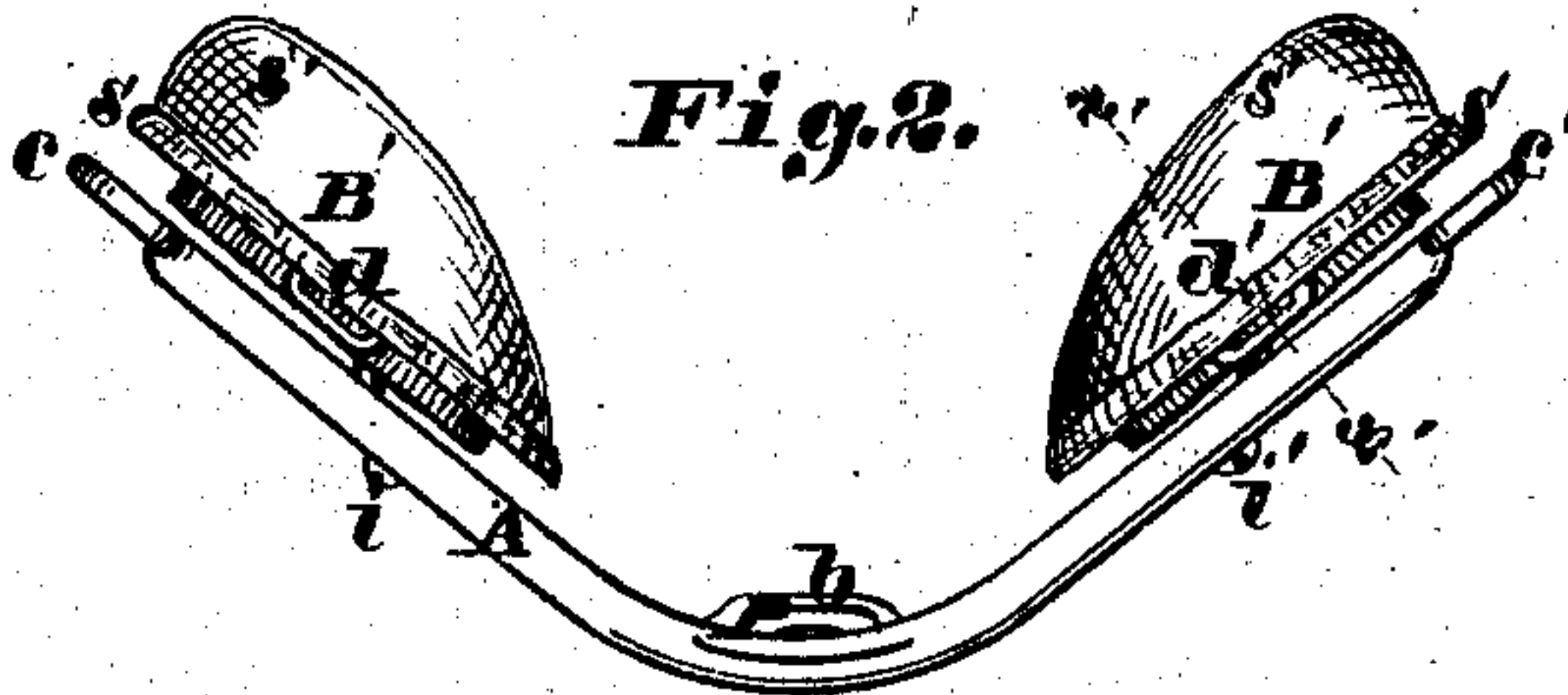


Fig. 3.

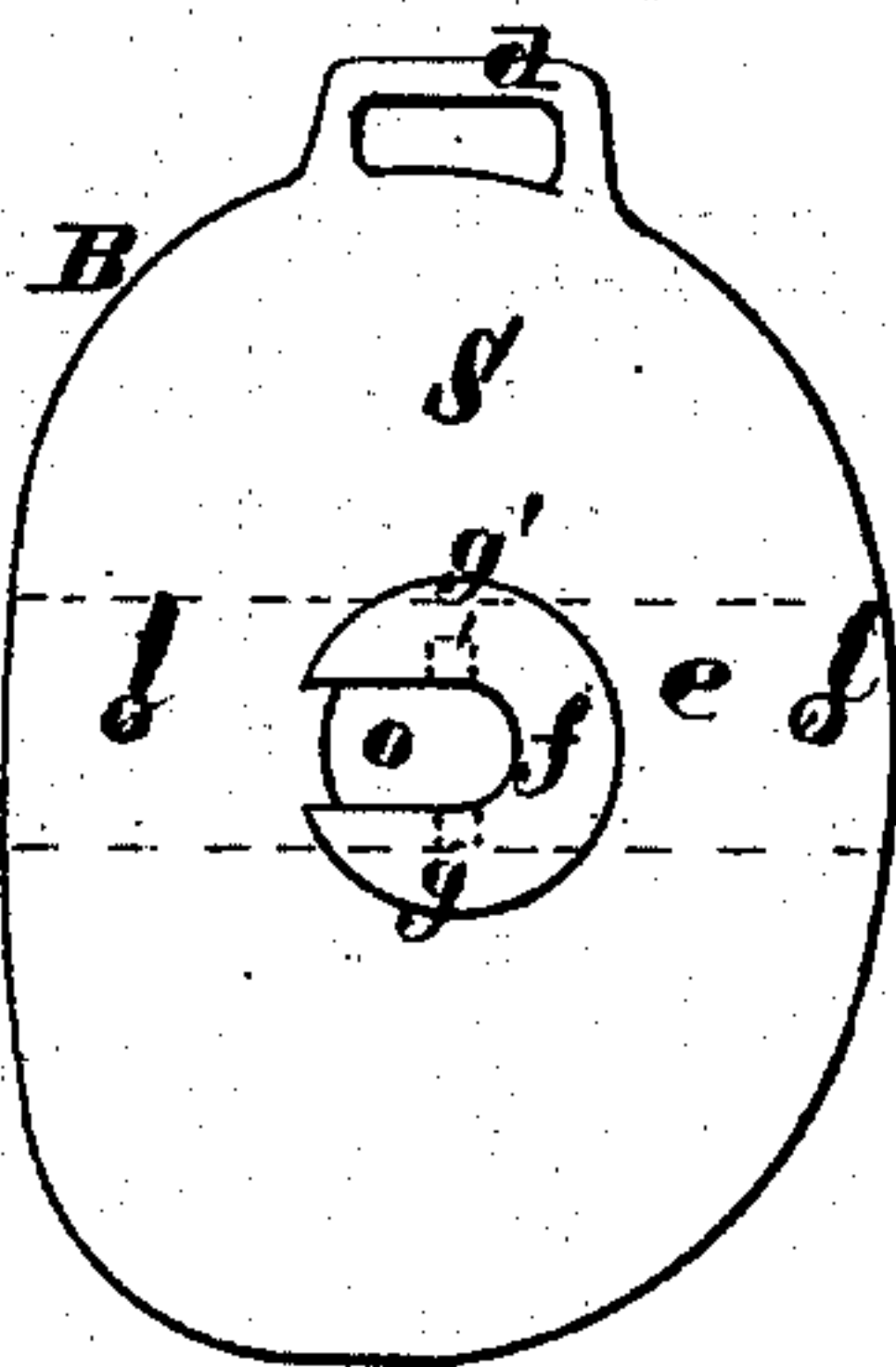


Fig. 4.

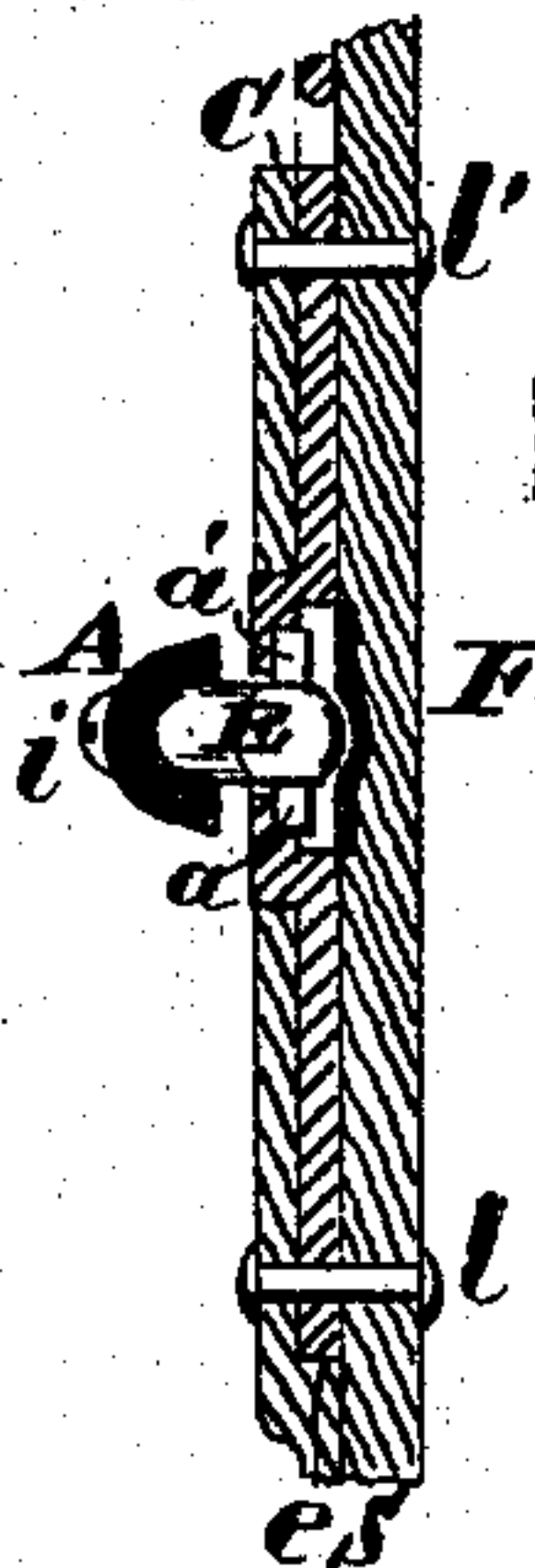


Fig. 5.

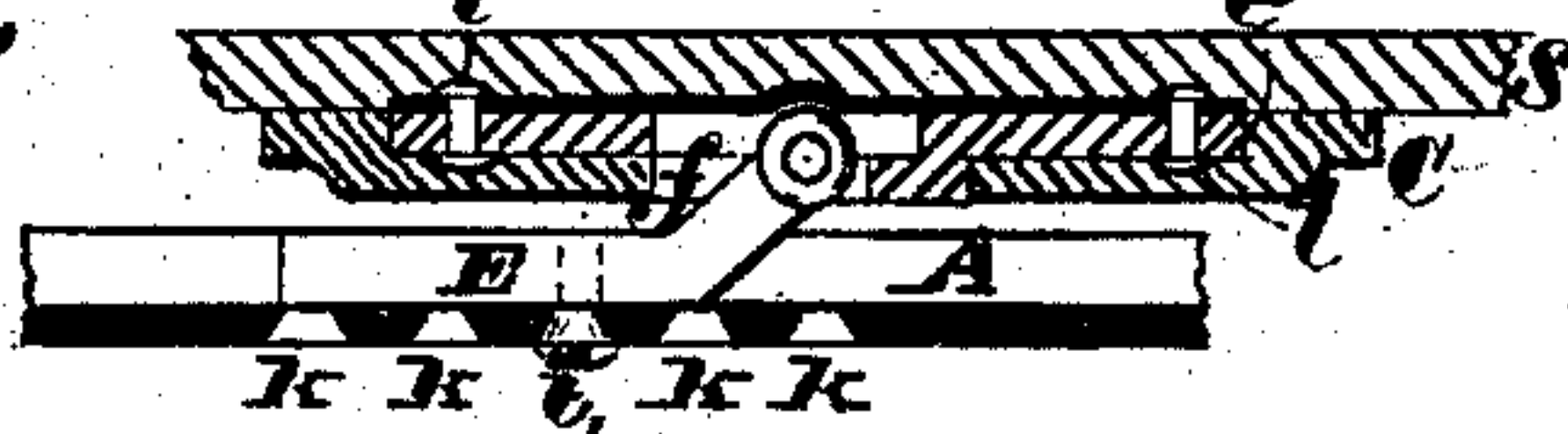


Fig. 6.

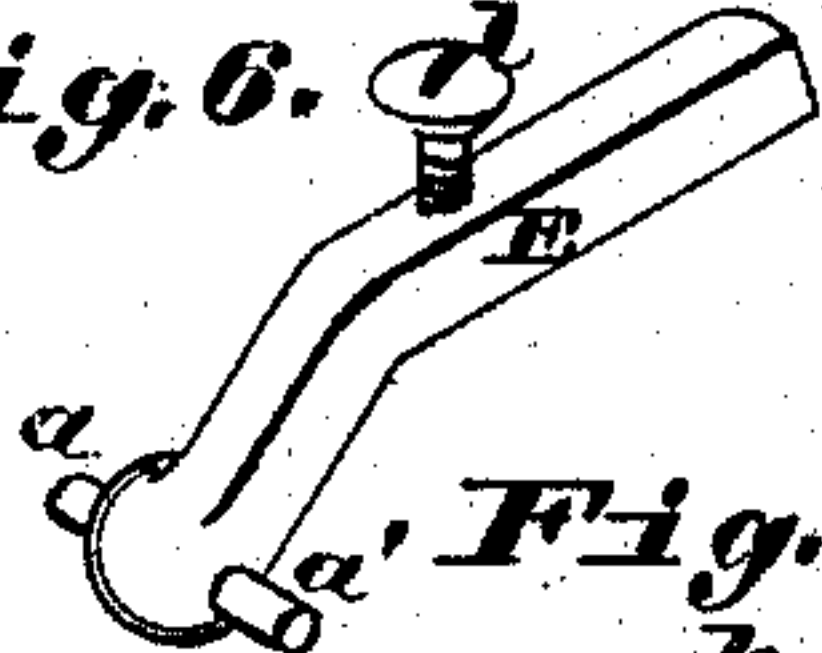
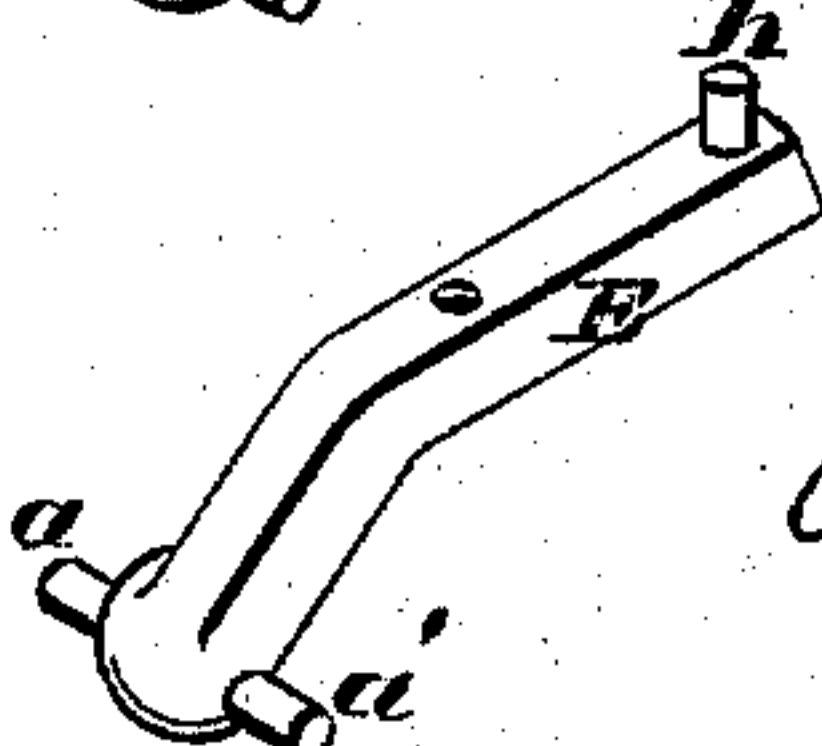


Fig. 7.



Inventor:

Jacob Straus

Attest:

H. Edwards Thompson,
Charles Pickles

UNITED STATES PATENT OFFICE.

JACOB STRAUS, OF ST. LOUIS, MISSOURI.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 249,267, dated November 8, 1881.

Application filed August 12, 1881. (Model.)

To all whom it may concern:

Be it known that I, JACOB STRAUS, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Breast and Shoulder Collars for Harness, of which the following is a specification.

My invention and improvement relates to breast-collars, wherein I use a metallic yoke combined with pads, connected and constructed as will be shown.

The objects of my invention are, first, to make a harness which may be readily fitted to the breast and shoulders of large or small animals and adapted for light or heavy draft and single or double harness; second, to combine strength with lightness of material and cheapness with durability and ease of manufacture.

The following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and plain specification, wherein are set forth the nature and principles of my invention, together with such parts thereof as are claimed to be new and are desired to be secured by Letters Patent.

In the accompanying drawings similar letters and figures of reference indicate like parts.

Figure 1 is a front elevation. Fig. 2 is a cross-section of Fig. 1 on line $x x$. Fig. 3 is an elevation of the T-socket plates. Fig. 4 is a vertical section on line $x' x'$ of Fig. 2. Fig. 5 is a longitudinal section on line $x^2 x^2$ of Fig. 1. Figs. 6 and 7 are perspective views of the T-jointed coupling.

The yoke A, Fig. 1, forms the breast part of the collar, and is made of metal or any other suitable material, and of such form and length as may be desirable. It has upon its center an eye, b , in which is the opening P, which is used for holding the pole and martingale straps when attached to the yoke. Upon each end of the yoke A are the eyes $c c'$, to which the tugs are fastened and held by them off from the animal, so as to prevent any chafing of its sides.

The T-jointed arm E, Figs. 5, 6, and 7, is made of metal, and formed as shown in Figs.

6 or 7, with the parts $a a'$ and the pintle h upon it, though the latter may be dispensed with. One hole or more is made in it for receiving the screw or bolt $i i'$, Fig. 2, by which it is rigidly or movably attached to the yoke A, with its T end socketed in the pads B B'. These pads are elongated in form from top to bottom, and are made and filled like other harness-pads. The exterior part, S, Fig. 1, however, is made of thick heavy leather, and has outside of it another piece, C C', made of leather, of similar character. Between these parts of the pad, and securely fastened there by the rivets $l l'$, Fig. 4, and the stitching, are the metallic plates f and e , Fig. 3. The plate f is recessed upon its inner surface at $g g'$ to receive the parts $a a'$ of the arm E, which are placed in them by inserting the T-headed part of this arm into the slot o of the plate f and crowding it into place. The pads thus attached to the T-jointed arm E are movable upon it in the socket formed for that purpose in the plates f and e . The perforations $k k k'$ in the yoke A, Figs. 1 and 5, are for inserting the screws $i i'$, and permit of shifting the pads in or out on it. The metallic plate e , Fig. 3, has the eye $d d'$ upon its upper periphery, for connecting the pads B B' to the lower part, N N', of the neck-strap D through the buckles M M', Fig. 1.

Very desirable advantages are obtained from the peculiar construction of and combined use of these several parts.

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

1. In a harness, the combination of the pads B B', having plate f , slotted and recessed, as at $o g g'$, and the plate e therewith, the T-jointed arm E, screw or bolt $i i'$, yoke A, neck-strap D N N', and buckles M M', as and for the purposes set forth.

2. In a harness, the combination of the pads B B', yoke A, screw or bolts $i i'$, and neck-strap D, and its several parts, all substantially as and for the purposes mentioned.

JACOB STRAUS.

Witnesses:

CHARLES PICKLES,

H. EDWARD THOMPSON.