

(No Model.)

J. THOMAS.  
HARNESS PAD PLATE.

No. 249,693.

Patented Nov. 15, 1881.

fig. 1

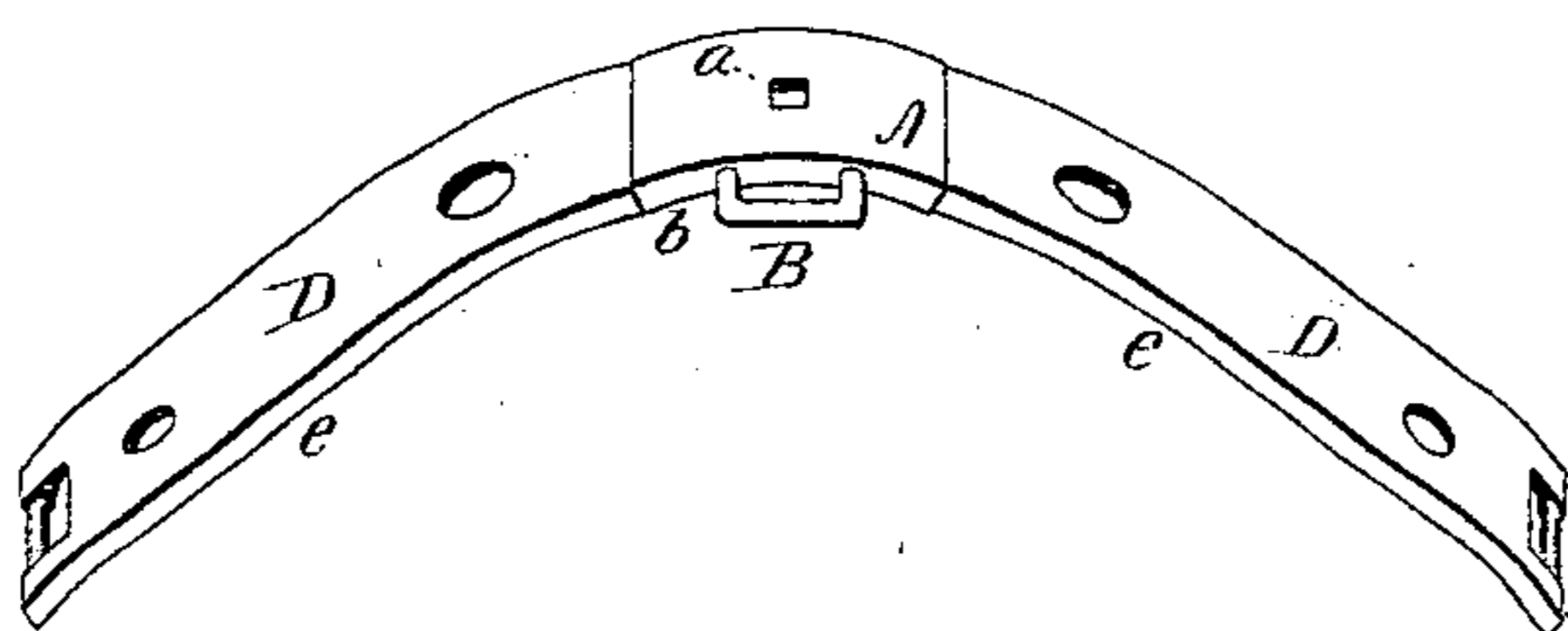


fig. 4

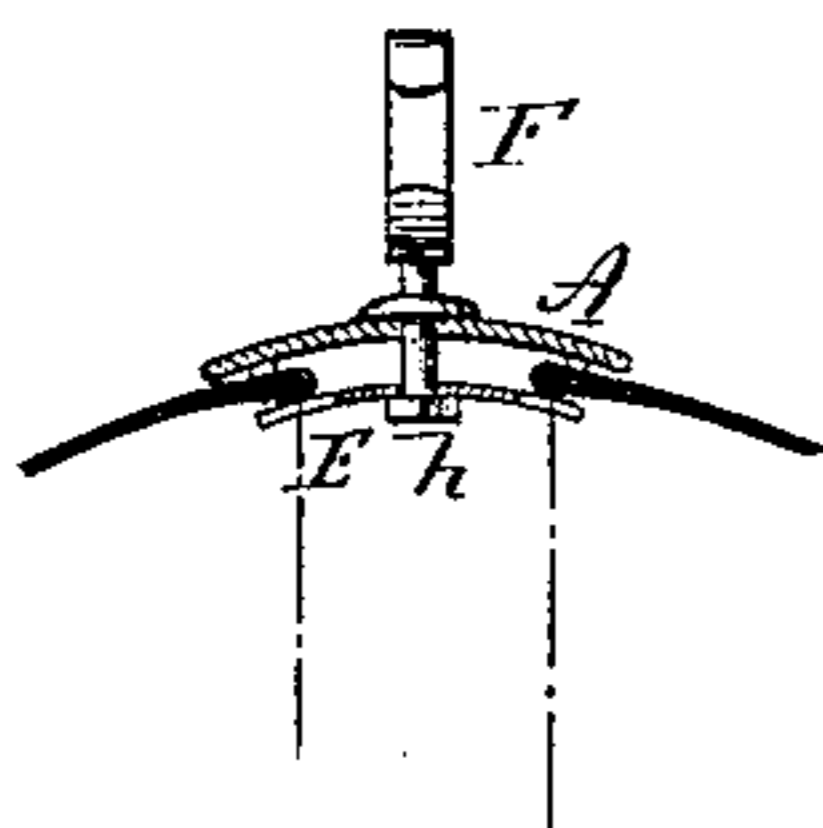


fig. 2

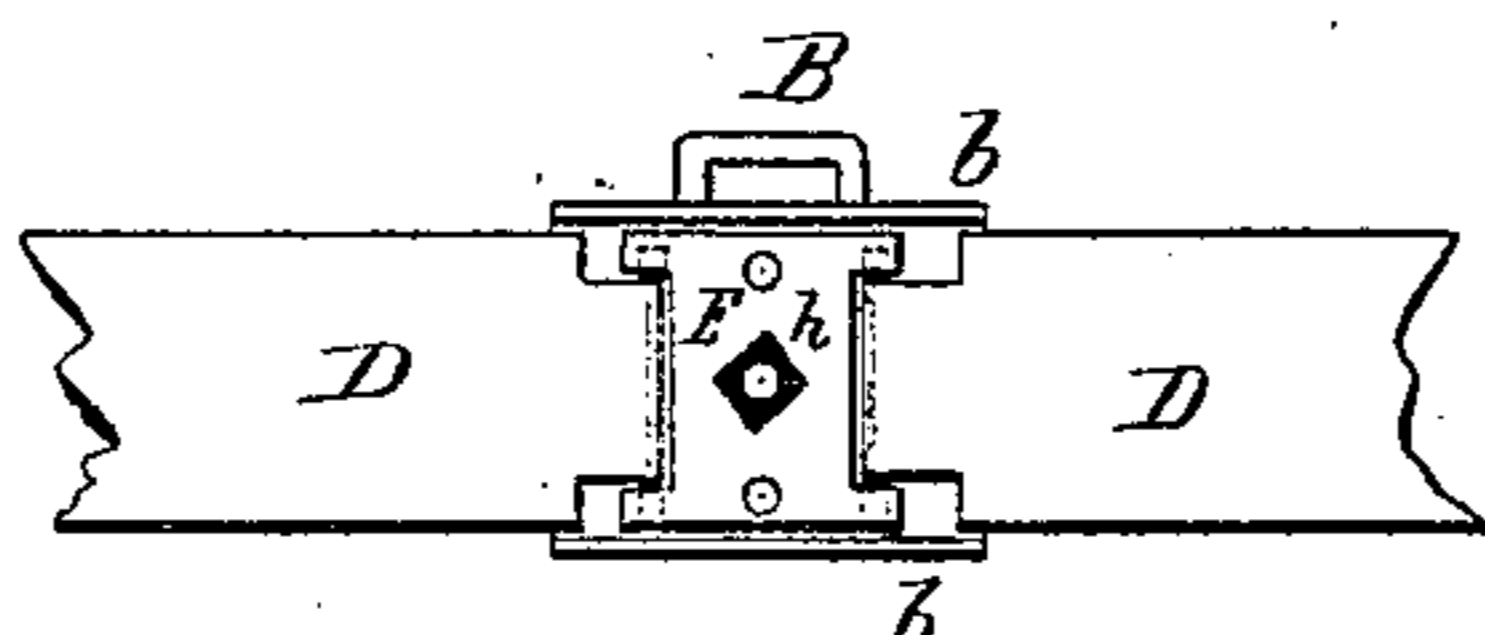


fig. 3

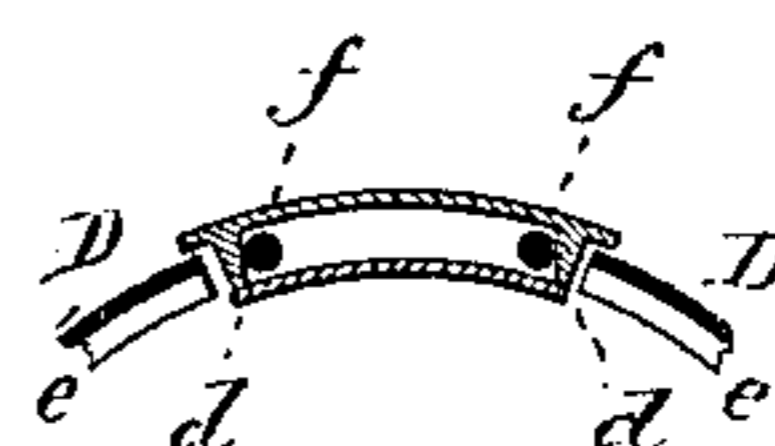
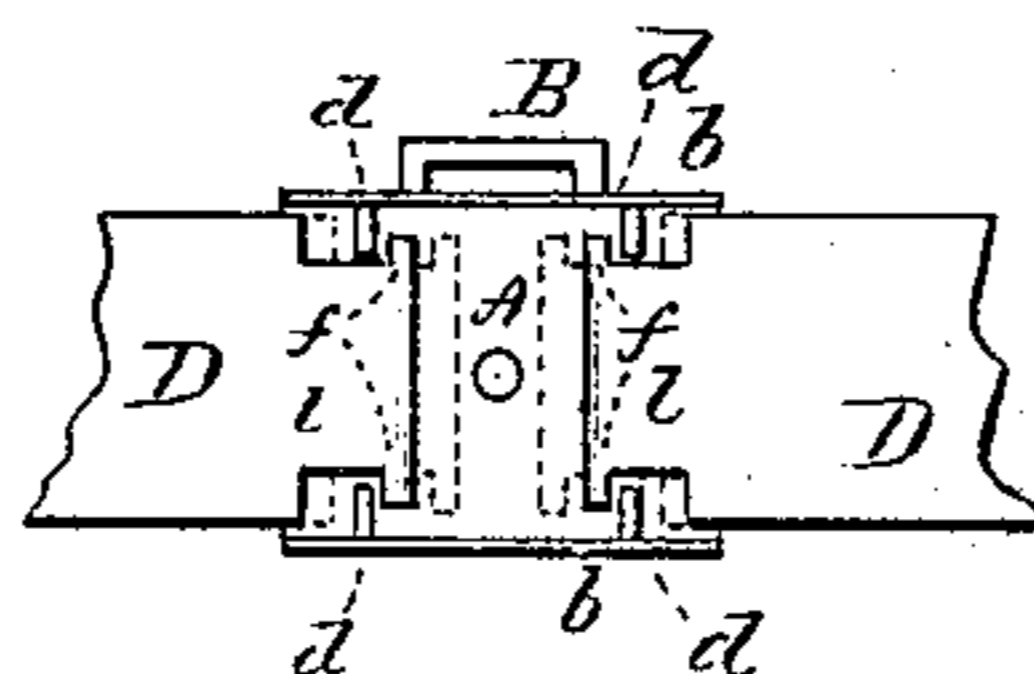


fig. 5



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN THOMAS, OF CEDAR RAPIDS, IOWA.

## HARNESS PAD-PLATE.

SPECIFICATION forming part of Letters Patent No. 249,693, dated November 15, 1881.

Application filed June 6, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN THOMAS, of Cedar Rapids, in the county of Linn and State of Iowa, have invented a new Improvement in Harness Pad-Plates; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view; Fig. 2, an under-side view; Fig. 3, a longitudinal section on the hinging-line; Fig. 4, a longitudinal central section; Fig. 5, an under-side view with the covering-plate removed.

This invention relates to an improvement in harness pad-plates, the object being to hinge the two sides or wings to the central part; and it consists in the construction, as hereinafter described, and particularly recited in the claim.

A represents the central part, constructed with an opening, *a*, to receive the water-hook, and also the back-strap loop B. The plate is also constructed with a downwardly-projecting flange, *b*, upon each side, and on the under side with lugs *d*, projecting inward from each flange for a short distance and arranged upon opposite sides of the center.

D D are the wings or side pieces, each constructed with a flange, *e*, at each side, and at their inner ends with trunnions, *f*, to set over

the lugs *d* on the central plate, A, as seen in Figs. 3 and 5; then upon the lugs and over the inner ends of the wings D a covering-plate, E, is arranged, and secured by means of the water-hook F, as seen in Fig. 2, the base of the water-hook resting on the plate A, the shank extending down through the cover E, and there fitted with a nut, *h*, to bind the parts together. The wings are recessed at each side below the trunnions, forming a tongue, *l*, and so as to permit the play of the two wings, as indicated in broken lines, Fig. 5; but if such plate is not desired the trunnions may lie in close seats, so as to permit simply a hinged or swinging movement of the wings, as indicated in broken lines, Fig. 4. This construction makes a complete metal hinge, simple and durable.

I do not wish to be understood as broadly claiming the wings of a pad-plate hinged to the central part, as such, I am aware, is not new.

I claim—

As an article of manufacture, the herein-described harness pad-plate, consisting of the central plate, A, and two metal wings, D D, the wings constructed with trunnions to rest in corresponding seats on the underside of the plate A, substantially as described.

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Witnesses:

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