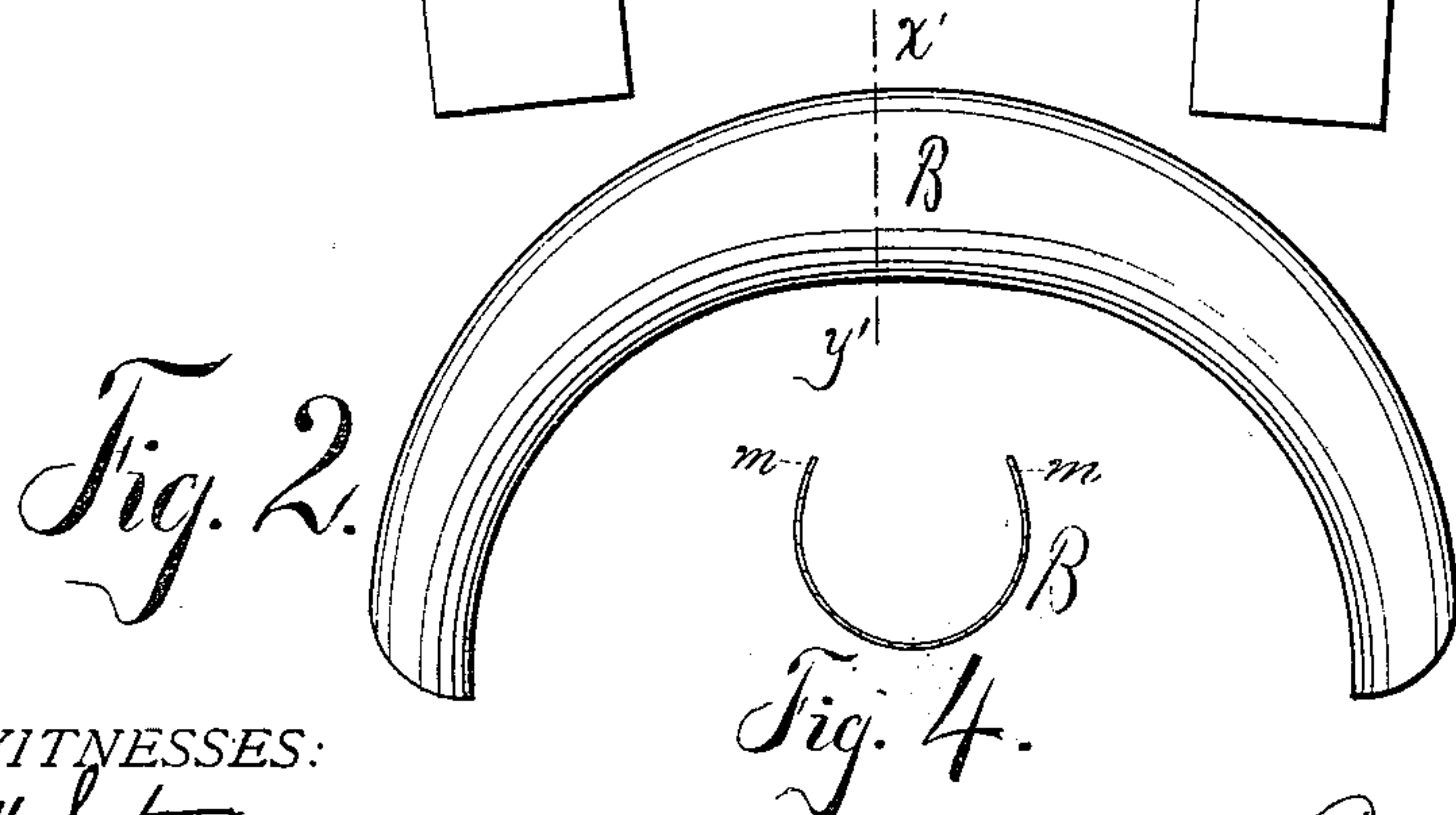
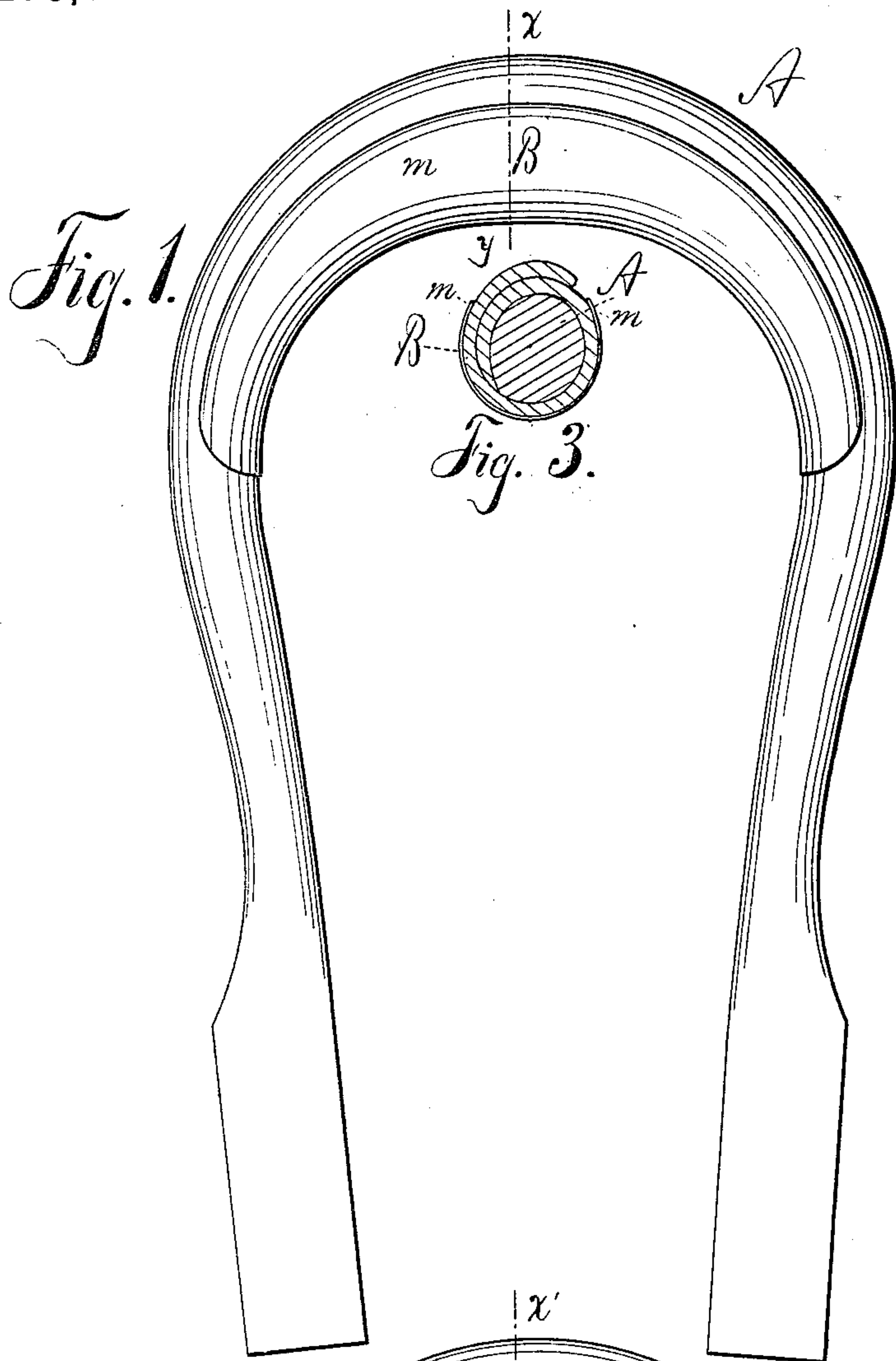


(No Model.)

C. TOBIAS.
METALLIC CRUPPER PADS.

No. 273,641.

Patented Mar. 6, 1883.



WITNESSES:

J. H. Stearns
A. W. Jones

INVENTOR

Cyrus Tobias
By Robt. H. Miles
ATTORNEY

UNITED STATES PATENT OFFICE.

CYRUS TOBIAS, OF FREEPORT, ILLINOIS, ASSIGNOR TO HIMSELF, MATTHIAS HETTINGER, FRED GUND, CLAAS O. COLLMANN, AND ESROM MAYER.

METALLIC CRUPPER-PAD.

SPECIFICATION forming part of Letters Patent No. 273,641, dated March 6, 1883.

Application filed May 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, CYRUS TOBIAS, a resident of Freeport, in the county of Stephenson, and State of Illinois, have invented certain new and useful Improvements in Metallic Crupper-Pads; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in harness-cruppers; and it consists in forming a readily-detachable metallic shield or pad for an ordinary leather crupper, and the combination of such shield or pad with such crupper. The form of the device and its manner of attachment to the crupper are shown in the accompanying drawings, in which—

Figure 1 is a top view of the pad attached to a crupper of ordinary form; Fig. 2, a top view of the pad detached; Fig. 3, a vertical section of crupper and pad, the plane of section passing through line xy , Fig. 1; and Fig. 4, a vertical section of the pad, the plane of section passing through line $x'y'$, Fig. 2.

As is shown by the drawings, the pad is a metallic shield of concavo-convex cross-section, open at its outer edge, and having its inner surface of such curve as to fit the inner surface of an ordinary crupper. The opening at the outer edge of the pad is slightly less than the greatest diameter of the crupper to which it is applied, so that the lips m , Figs. 3, 4, must be sprung apart to admit or release the crupper, and when in use the pad is held firmly in place thereon.

I do not intend to limit the invention to the exact form shown in the drawings, as it may evidently be varied without changing the operation of the device. Neither do I confine it to a pad held in place solely by the spring of the metal of which it is composed, as it may be found advisable to rivet or stitch it in place on the leather crupper. The form shown, however, and the manner in which it is held in place seem to me preferable.

I do not claim as my invention a metallic crupper in general terms, as a metallic crupper completely closed and having straps riveted to its ends has already been patented by me; but,

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

As a new article of manufacture, a metallic crupper-pad open at its outer edge, curved to conform to the inner surface of a crupper of ordinary form, and adapted to be readily attached to or detached from the same and form a shield for the inner surface thereof, substantially as shown and described, and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CYRUS TOBIAS.

Witnesses:

I. F. KLECKNER,
ROBT. H. WILES.