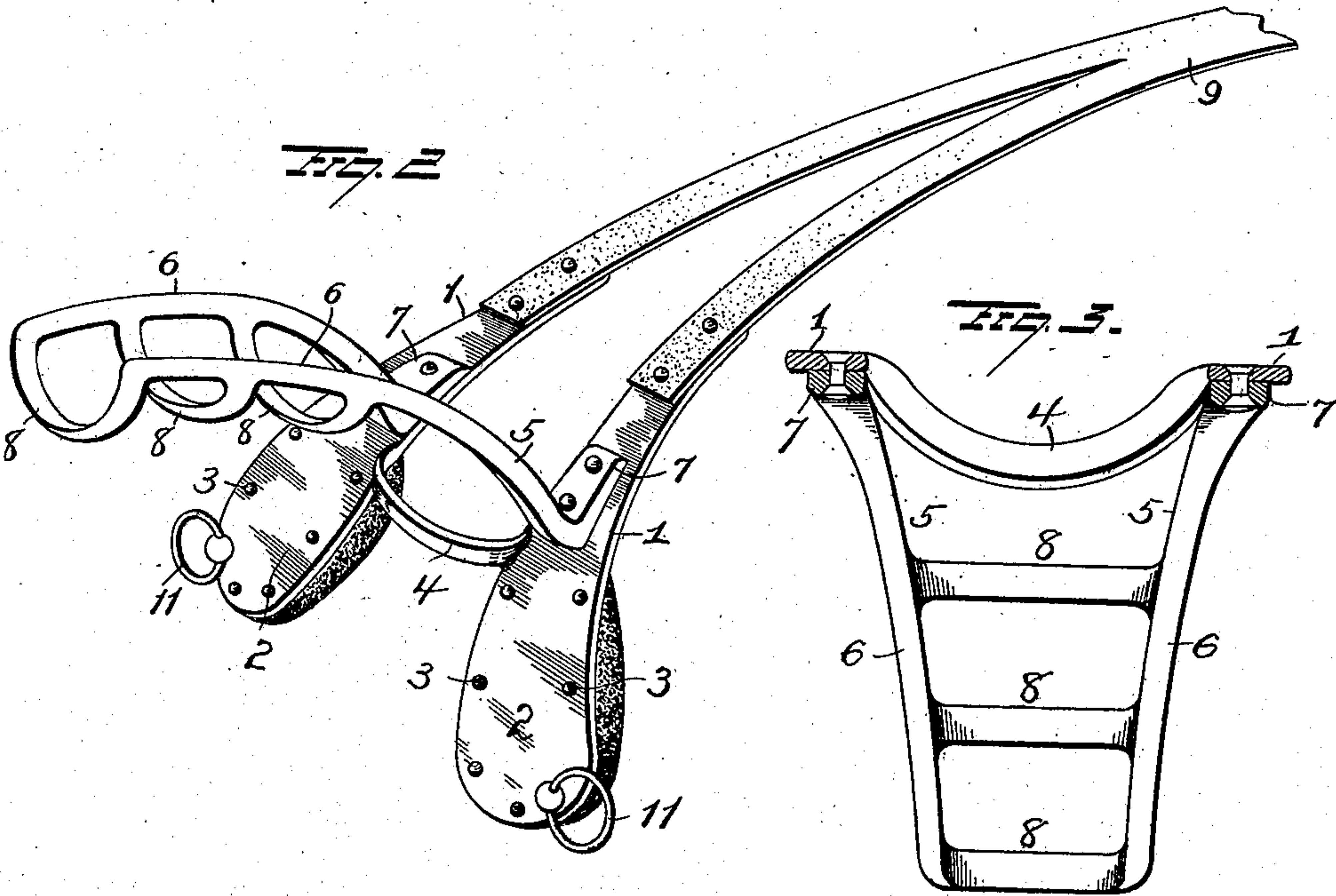
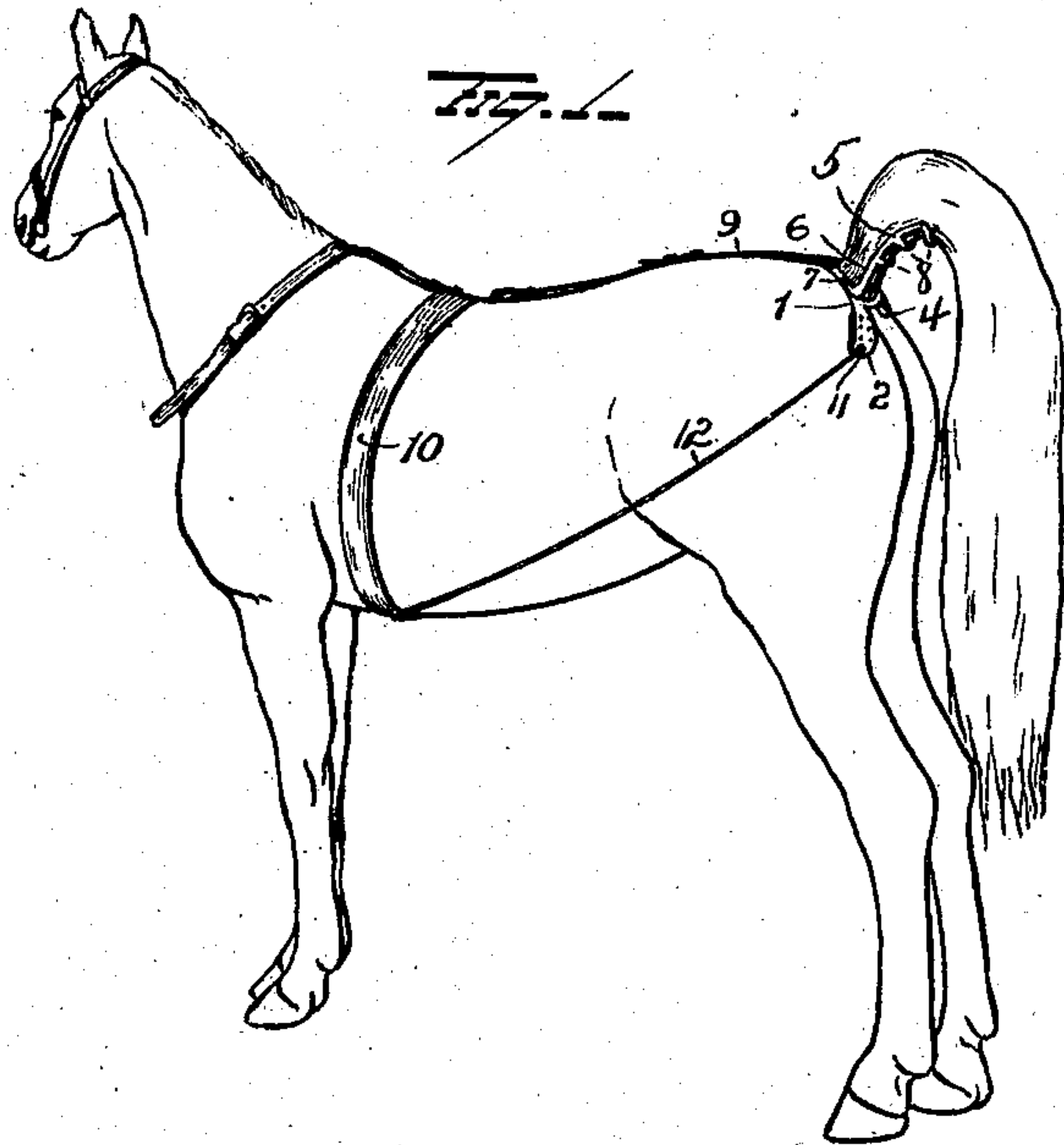


899,661.

L. S. ELLIS.  
CRUPPER.  
APPLICATION FILED MAY 9, 1908.

Patented Sept. 29, 1908.



WITNESSES  
*E. Nottingham*  
*G. J. Downing*

INVENTOR  
*L. S. Ellis*  
*By H. A. Seymour*  
Attorney



# UNITED STATES PATENT OFFICE.

LEWIS SANDERS ELLIS, OF LEXINGTON, KENTUCKY.

## CRUPPER.

No. 899,661.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed May 9, 1908. Serial No. 431,922.

*To all whom it may concern:*

Be it known that I, LEWIS S. ELLIS, of Lexington, in the county of Fayette and State of Kentucky, have invented certain new and useful Improvements in Cruppers; 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 appertains to make and use the same.

My invention relates to improvements in cruppers,—the object of the invention being to so construct such a device that the weight of the tail of a horse will be distributed throughout the crupper.

A further object is to so construct a crupper that it will operate to train the tail of a horse in such manner that it will become set to a graceful curve, with that portion of the tail close to the body of the horse disposed approximately perpendicular.

A further object is to provide a crupper which shall be simple in construction; comprise few parts, and which can be so applied to a horse that it will retain its position and avoid discomfort to the horse.

With these objects in view the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating the application of my improvements to a horse. Fig. 2 is an enlarged perspective view of the crupper, and Fig. 3 is a sectional view.

1, 1, represent heel plates having broad rear portions 2 and these plates are somewhat curved so that they will adapt themselves to the horse with the broadened portions 2 resting against the buttocks. Each broadened portion 2 of the heel plates is provided near its side edges with perforations 3 for the accommodation of suitable fastening means whereby pads are secured to said broadened portions 2. The heel plates 1, 1, are spaced apart, disposed at a slight angle to each other and connected in proximity to the forward ends of the broadened portions 2 by means of a curved cross-bar 4 which is integral at its ends with the respective heel plates.

Immediately in front of the cross-bar 4 a brace or support 5 is secured to the heel plates. This brace or support comprises two curved members or standards 6, 6, provided at their lower ends with feet 7 disposed at an angle thereto and secured to the heel plates.

The members or standards 6, 6, are connected by a series of curved bars 8 integral at their ends with said standards. The brace or support 5 is so formed that it will be somewhat tapering with its narrowest portion at its free end and it is secured to the heel plates in such manner that it will be disposed slightly forward of the perpendicular with relation thereto.

When the crupper is placed on a horse with the broadened portions 2 of the heel plates resting against the buttocks of the horse, the tail will be supported in a graceful curve by the brace 5 and the curved cross-bar 4,—the latter supporting the tail close to the body of the horse.

With my improvements that portion of the horse's tail close to his body will be supported in a position slightly forward of the perpendicular and the pressure or weight of the tail will be distributed to all parts of the device, being sustained not only by the cross-bars of the brace but also by the cross-bar 4 which connects the heel plates.

The heel plates are provided near their forward ends with perforations to permit the attachment of the bifurcated rear portion of the back-strap 9, the forward portion of which latter is connected with the surcingle 10. At one of the outer series of perforations 3 of each heel plate, a loop or ring 11 is attached and to these loops or rings, straps 12 are connected and the forward ends of these straps are attached to the surcingle. The straps 12 thus serve to prevent lateral displacement of the crupper and insure the retention of the brace in position to maintain the tail of the horse always comfortable.

It will be observed that my improved crupper comprises but two castings and that these are permanently secured together, thus producing a device which is cheap in construction and yet substantial and which will be efficient in the performance of the functions required of it.

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

1. A crupper comprising two heel plates adaptable to the buttocks of an animal, a curved cross-bar connecting said heel plates, and a brace or support permanently secured to said heel plates and disposed approximately perpendicular thereto.

2. A crupper comprising two heel plates adaptable to the buttocks of an animal, a



curved cross-bar connecting said heel plates, a brace projecting upwardly from the heel plates and provided with a series of cross-bars which coöperate with the first mentioned cross-bar to support the tail of a horse, said brace permanently secured to said heel plate.

3. A crupper comprising two castings, one of said castings consisting of two heel plates adaptable to the buttocks of a horse and connected by an integral cross-bar and the other casting consisting of two standards secured directly to said heel plates and a series of curved integral cross bars.

4. The combination with downwardly pro-

jecting heel plates adaptable to the buttocks of an animal and a brace secured thereto and projecting upwardly from said heel plates, of straps connected with the lower portions of the downwardly projecting heel plates and adapted to be connected with the harness to prevent lateral displacement of the crupper.

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

LEWIS SANDERS ELLIS.

Witnesses:

SHELBY T. HARBISON,  
WILLIAM T. GRIFFY.