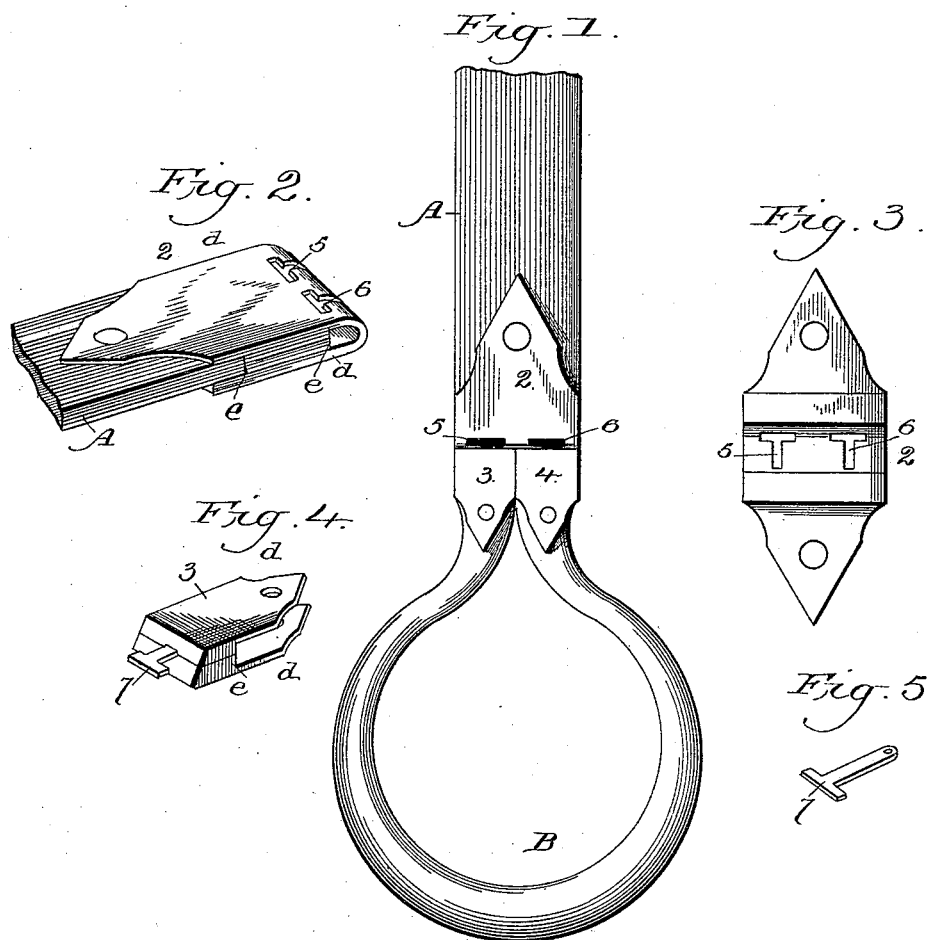


(No Model.)

C. E. BARKER.  
CRUPPER FASTENER.

No. 526,098.

Patented Sept. 18, 1894.



Witnesses  
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# UNITED STATES PATENT OFFICE.

CHARLES E. BARKER, OF MAHASKA, KANSAS.

## CRUPPER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 526,098, dated September 18, 1894.

Application filed April 5, 1894. Serial No. 506,405. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES E. BARKER, a citizen of the United States, and a resident of Mahaska, in the county of Washington and State of Kansas, have invented certain new and useful Improvements in Crupper-Fastenings; 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.

This invention relates to crupper attaching devices and aims to provide a simple fastening for readily securing the crupper to the back strap of harness, and has for its object to obviate the unevenness in adjusting the crupper about the horse's tail, particularly where no buckles or other like connections are used, as in most light harness now manufactured.

A further object of the invention is to overcome the annoyance where buckles are used, which is frequently occasioned by the entanglement of the hairs of the horse's tail with the tongues or projecting parts of buckles.

The invention consists of the novel features and the peculiar construction and combination of the parts which hereinafter will be more fully described and claimed and which are shown in the accompanying drawings, in which—

Figure 1 is a view showing the application of the invention. Fig. 2 is a detail view of the clip attached to the back strap and having the T-slots to receive the bits of the crupper. Fig. 3 is a detail view of the blank from which the clip shown in Fig. 2 is formed. Fig. 4 is a detail view of the clip at the end of the crupper strap. Fig. 5 is a detail view of the headed tongue which forms attachment with the T-slot in the clip of the back strap.

Similar letters and figures refer to corresponding parts in the several views.

The back strap A and the crupper B are the ordinary and well known parts of a harness, and are illustrated to show the application of the invention. The several clips 2, 3 and 4 are similarly constructed. Hence a detailed description of each is not deemed necessary as a full explanation of the one will suffice for each. The clip 2 is provided at one end with T-slots 5 and 6 to receive corresponding headed pro-

jections 7 of the clips 3 and 4, and has its opposite ends slightly incurved to press into the leather when in use and to prevent them from catching on other objects. Each clip comprises two plates *d, d*, arranged in parallel relation and between which the ends of the back strap and crupper straps are inserted and secured. The edge portion of the plates *d, d*, near the end having the T-slots are flanged, as shown at *e* to inclose and protect the edges of the strap. The clips are preferably formed from sheet material which is struck up in about the form shown in Fig. 3, and which is folded midway of its ends to form the plates *d, d*. The T-slots 5 and 6 are provided in the fold or bight of the blank as shown most clearly in Fig. 2. The back strap clip 2 is about the same width as the combined width of the clips 3 and 4, so that the latter may lie side by side and have the headed projections 7 fitted into and engaged with the T-slots 5 and 6. The several clips are secured, respectively, to the ends of the back band and crupper straps in any desired manner, preferably by rivets or similar fastening passing through the parallel plates *d, d* and the said straps to which the clips are respectively attached. The headed projections 7 which may be integrally formed with or removably attached to the clips 3 and 4 are of such relative construction as to enter the T-slots 5 and 6 and form ready attachment with the clip 2. Inasmuch as the clips 3 and 4 are constructed of sheet material, the headed projections 7 are removably attached to the clips 3 and 4, now to be described. These parts 7 constitute headed tongues, the shank portions of which are adapted to be passed through openings in the folded ends of the clips and be attached thereto in any desired manner, preferably by a pin or rivet passing through the plates *d, d* and the tongue or shank of the projection. In the assembling of the parts the clip 2 is fitted and attached to the end of the back strap and the clips 3 and 4 with the headed tongues attached thereto are secured to the ends of the crupper in the manner herein set forth. To attach or remove the crupper from the harness the clips 3 and 4 are turned relatively to a vertical position so that the heads thereof will be brought in register with and adapted to be removed or passed through the cross-slots of the T-

slots 5 and 6. When the clips occupy approximately the same plane and the headed projections are engaged with the T-slots the end portions of the headed tongues will project 5 beyond the walls or edges of the slots 5 and 6 and retain the clips in the required position, as shown most clearly in Fig. 1.

Having thus described the invention, what is claimed as new is—

- 10 In a harness, the combination of a back strap having a clip attached to one end thereof with a pair of T slots and a pair of clips 3 and 4 attached to the upper ends of the crupper,

having T headed projections to removably fit into the said T slots, the edges of the clips 3 15 and 4 at the point where they engage with the clip attached to the back strap being beveled, substantially as and for the purposes specified.

In testimony whereof I have signed this 20 specification in the presence of two subscribing witnesses.

CHARLES E. BARKER.

Witnesses:

GEORGE H. COOK,

D. A. VANDERPOOL.