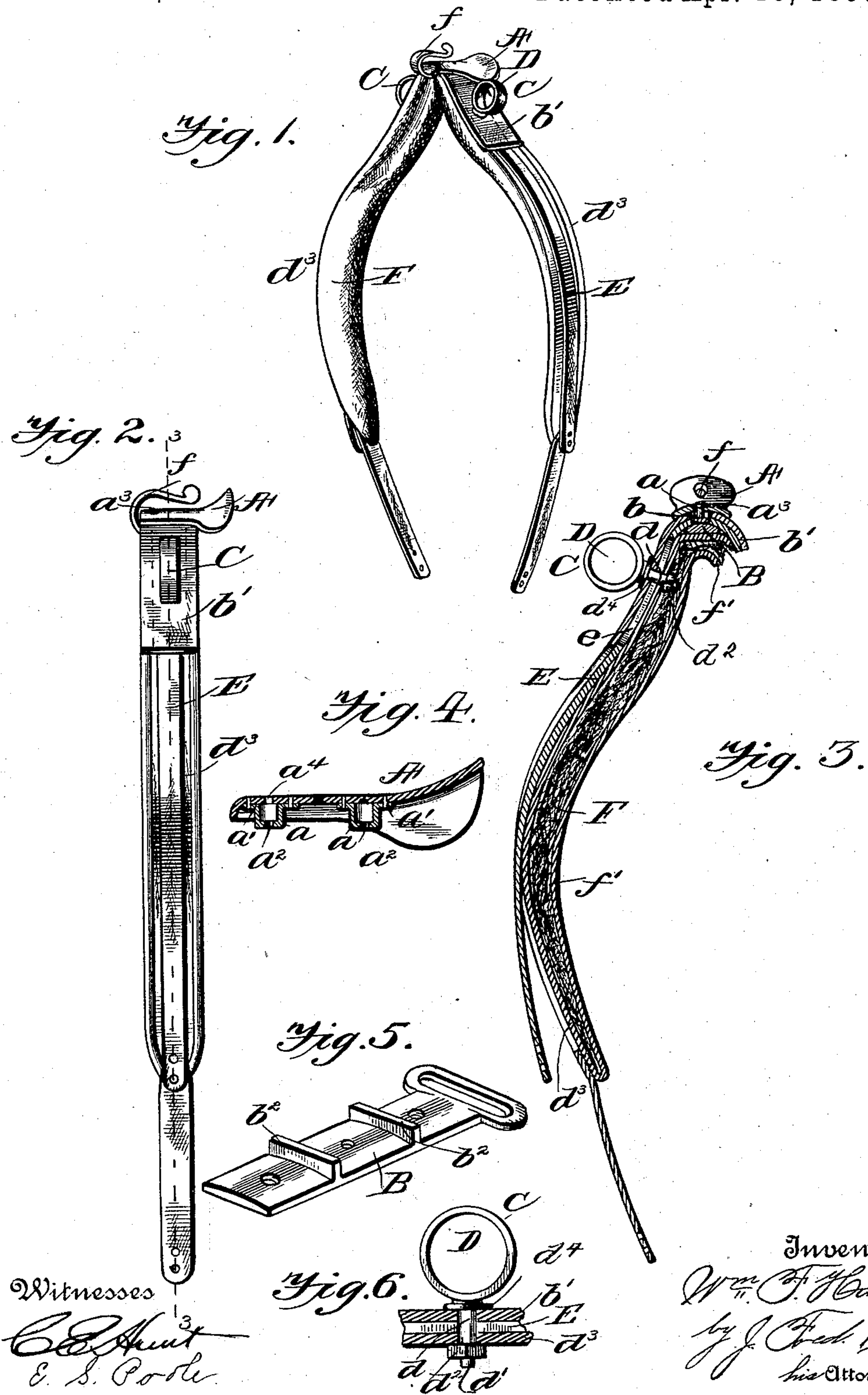


(No Model.)

W. F. HASPEL.  
HARNESS SADDLE.

No. 580,616.

Patented Apr. 13, 1897.





# UNITED STATES PATENT OFFICE.

WILLIAM F. HASPEL, OF ST. JOSEPH, MISSOURI.

## HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 580,616, dated April 13, 1897.

Application filed August 13, 1896. Serial No. 602,662. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM F. HASPEL, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Harness - Saddles; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in harness-saddles; and it has for its object the production of a saddle which will be simple and inexpensive and at the same time comprise many advantages in point of strength, durability, and general ease and efficiency when in actual service.

A further object is to so construct a flexible leather harness-saddle that the usual saddle tree or frame is entirely dispensed with.

In carrying out my invention the saddle-seat is secured to the skirt and "jockey" by means of suitable bolts or rivets and is provided with spaced-apart stems adapted to rest on a metallic crupper-loop, said bolts or rivets extending through and being secured to said crupper-loop. Said crupper-loop is provided with two upturned ribs or flanges between which and the stems of the saddle is designed to loosely fit the back-band or shaft-bearing strap. Said strap is adapted to slide in either direction and is slotted to receive the usual terrets, said slots serving to allow free motion of said strap. The skirt of the saddle is secured to the remaining portions in any suitable manner.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective illustrating my improved saddle. Fig. 2 is a side view thereof. Fig. 3 is a sectional view on line 3 3, Fig. 2. Fig. 4 is a detail view of the saddle-seat. Fig. 5 is a similar view of the crupper-loop. Fig. 6 is a view of one of the terrets.

Referring to the drawings, A designates the saddle-seat, the same being preferably

made of thin metal and provided on its under surface with two stems  $a$ , which are formed by angular plates  $a'$ , secured to said saddle in any preferred manner. Both of these plates are provided with holes or openings  $a^2$  for the passage of bolts or rivets  $a^3$ , and said saddle is provided with a hole or opening  $a^4$ , registering with one of said openings  $a^2$ . The stems  $a$  are passed through suitable holes or openings  $b$ , formed in the jockey  $b'$ , and normally rest against the outer faces of ribs or flanges  $b^2$ , formed in the upper face of the crupper-loop B, the bolts or rivets  $a^3$  being passed entirely through said crupper-loop to which they are secured, whereby the latter and said saddle are firmly united.

C C designate the rein-terrets, which are preferably formed with stems  $d$  and an upper ring-like portion D, said stem being provided with a lower threaded reduced portion  $d'$ , adapted to receive a nut  $d^2$ . The stems of said terrets are extended through the jockey  $b'$  and the skirt  $d^3$  and secured in position by means of the nuts  $d^2$ , said terrets bearing against washers  $d^4$ . The back-band or shaft-bearing strap E is passed between the skirt  $d^3$  and jockey  $b'$  and is free to move in either direction, being guided in its movement by the stems  $a$  and ribs or flanges  $b^2$ . The stems  $d$  of the terrets are passed through slots  $e$  in said strap, whereby the same is free to move longitudinally but not laterally.

The padding F is extended all the way up under the checkrein-hook  $f$  and is provided with a leather facing  $f'$ , whereby the same causes less friction on the back of the animal to which the saddle may be applied.

The advantages of my improved saddle will be at once apparent to those skilled in the art to which it appertains. It will be especially observed that a saddle tree or frame is not needed, but that the saddle proper may be detachably secured directly to the crupper-loop. It will also be noted that by loosely mounting the back-band or shaft-bearing strap the same is free to move according to the vibrations of the vehicle-shafts and at the same time cause less friction on the back of an animal than if rigidly secured.

My improved saddle is also extremely simple in construction, inexpensive, and durable.

I claim as my invention—



1. The herein-described improved harness-saddle, comprising a saddle-seat, stems projecting downwardly therefrom, a crupper-loop, means for uniting said saddle-seat and  
5 said crupper-loop, a skirt for supporting said crupper-loop, and a bearing-strap adapted to move between said saddle-seat and said crupper-loop and be guided by said stems, as set forth.
- 10 2. The herein-described improved harness-saddle, comprising a saddle-seat, a crupper-loop to which said seat is secured and provided with transverse ribs or flanges on its upper face, a skirt to which said crupper-loop  
15 is secured, and a bearing-strap adapted to move between said saddle-seat and said crupper-loop and be guided by said ribs or flanges, as set forth.
- 20 3. The herein-described improved harness-saddle, comprising a saddle-seat having stems projecting from its under surface, a crupper-loop to which said saddle-seat is secured and provided with ribs or flanges corresponding  
25 to said stems, a skirt to which said crupper-loop is secured, and a bearing-strap adapted to move between said saddle-seat and said crupper-loop and be guided by said stems and said ribs or flanges, as set forth.
- 30 4. The herein-described improved harness-saddle, comprising a saddle-seat, angular plates secured to the under surface thereof and having holes or openings therein, a crupper-loop having corresponding holes or openings, and nutted bolts for uniting said saddle-seat and said crupper-loop, as set forth.  
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5. The herein-described improved harness-saddle, comprising a saddle-seat, a crupper-loop to which said seat is secured, said crupper-loop having transverse ribs on its upper  
40 face, a skirt to which said crupper-loop is secured, terrets having their stems secured to

said skirt, and a bearing-strap loosely mounted between said saddle-seat and said crupper-loop and guided by the ribs of the latter, said strap having slots therein adapted to receive the stems of said terrets, substantially  
45 as set forth.

6. The herein-described improved harness-saddle comprising a saddle-seat, a crupper-loop to which said seat is secured, said crupper-loop having transverse ribs on its upper  
50 face, a skirt to which said crupper-loop is secured, terrets having upper ring-like portions and lower stems having reduced threaded portions, securing-nuts working on said threaded portions, and a bearing-strap loosely  
55 mounted between said saddle-seat and said crupper-loop and guided by the ribs of the latter, said strap having slots therein through which the stems of said terrets are passed, substantially as set forth. 60

7. The herein-described improved harness-saddle, comprising a saddle-seat, a crupper-loop to which said seat is removably secured, said crupper-loop having transverse ribs on  
65 its upper face, a skirt to which said crupper-loop is secured, terrets secured to said skirt, a bearing-strap loosely mounted between said saddle-seat and said crupper-loop and guided by the ribs of the latter, said strap having  
70 slots therein adapted to receive the stems of said terrets, padding secured to the under face of said skirt, and a facing for said padding consisting of a smooth pliable material, substantially as set forth. 75

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM F. HASPEL.

Witnesses:

J. C. HEDENBERG,  
FRED. HENSHAW.