

(No Model.)

J. C. MENDENHALL.  
COLLAR PAD FASTENER.

No. 452,079.

Patented May 12, 1891.

Fig. 1.

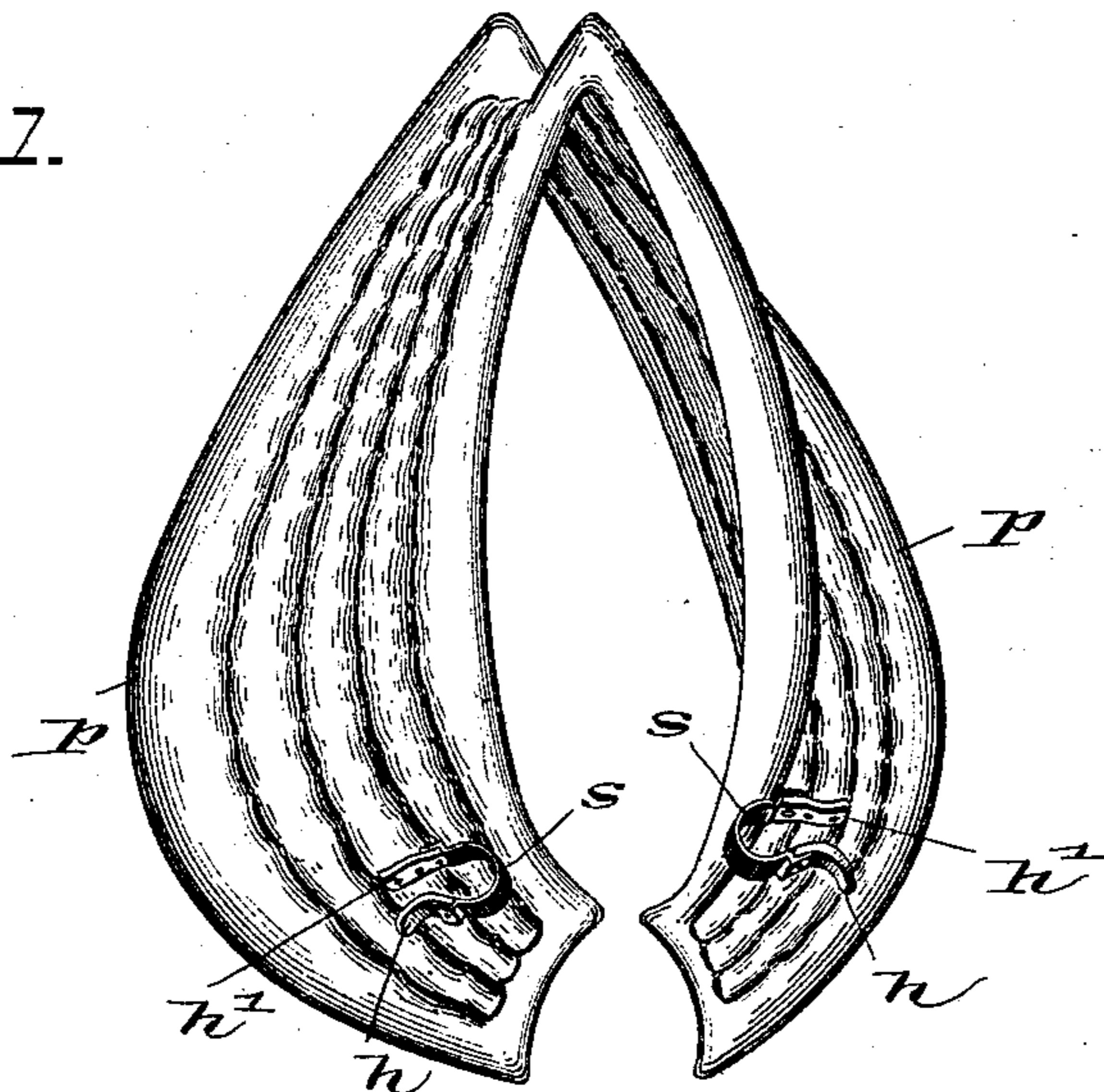


Fig. 2.

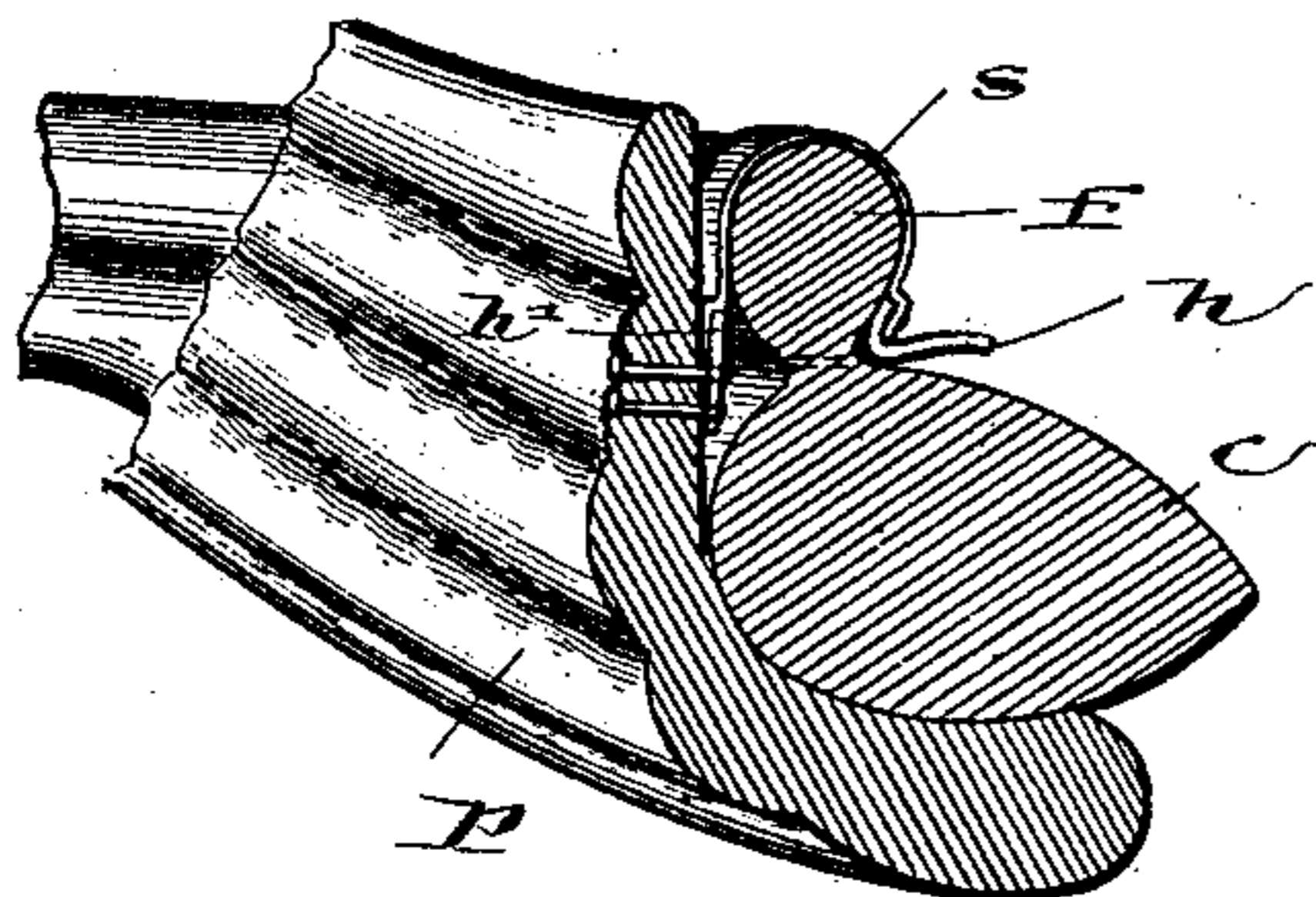
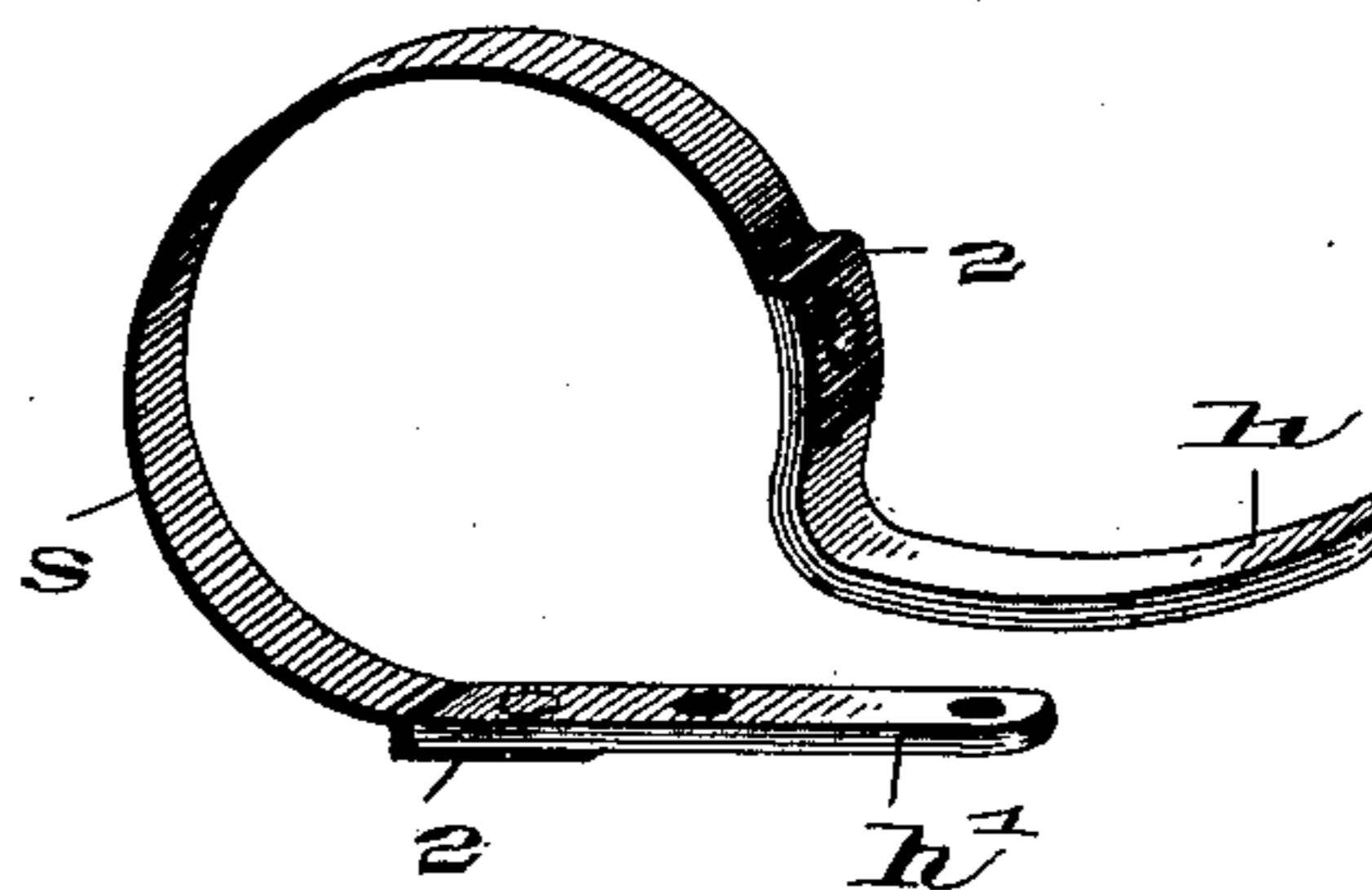


Fig. 3.



WITNESSES:

H. D. Neely.  
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JOHN C. MENDENHALL, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF TO WILLIAM WILLIAMS, OF SAME PLACE.

## COLLAR-PAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 452,079, dated May 12, 1891.

Application filed June 26, 1890. Serial No. 356,908. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. MENDENHALL, of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Collar - Pad Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters and figures refer to like parts.

My invention relates to improvements in devices for securing sweat-pads to collars, and is an improvement upon the device for which Letters Patent were granted to me August 2, 1887, No. 367,423, and will be understood from the following description.

In the drawings, Figure 1 represents a perspective view of a collar-pad with my device attached. Fig. 2 is a section through the collar-pad and collar, showing the fastener clasping the fore-roll of the collar and the manner of securing the fastener to the pad. Fig. 3 is a perspective view of the fastener.

In detail, *p* is the pad, made of canvas, stuffed, and is intended to be placed upon the horse's neck and the collar set directly upon this pad, which furnishes a soft bearing therefor, thus avoiding chafing the animal's skin.

The fastener comprises a spring-loop *s*, made of metal, the ends of which are offset, as at 2 2, and two short straps, the one forming a handle *h* and the other a hinge *h'*, are riveted to the spring-loop below the offsets, so that the inside of the leather will be flush with the inside of the spring-loop, as shown in Fig. 3. The hinge portion *h'* is secured to the pad by rivets in the manner shown in Fig. 2, forming a flexible hinge, which will bear strain in almost any direction without breaking, while the strap *h* forms a handle which, when the spring is looped over the fore-roll *f* of the collar, provides means for throwing the spring-loop up off the fore-roll, so that the collar may be easily removed from the pad.

The use of this device is similar to that of my former device; but in that the leather lining is continuous and the spring of uniform thickness and curve throughout. The disadvantage of that form of construction was that it required a long strap to form the leather lining and odd pieces could not be used therefor, and in pulling upon the handle the

strain was uniformly brought upon the spring about at the same point and was exerted the full distance from such point to the end of the handle, making a long leverage, which tended to weaken the spring at that point, and the leather lining at the top was likely to get out of place unless secured by an additional rivet, which tended to weaken the spring at the top. I avoid these objections by making offsets 2 2 in the spring, thus stiffening it at these points, throwing the spring out far enough to afford a backing for the strap, whose inner face will then be flush with the inside of the spring-loop, and the strain upon the handle is then only borne practically from the top of the offset 2 to about midway of the spring. In other words, I retain the advantage of a leather hinge and a leather handle, in combination with a spring-loop, and yet make the inside of the leather flush with the inside of the spring, while I avoid the long strain upon the spring, and stiffen it at each end by means of the offsets 2 2, as herein shown. If the short leather pieces *h h'* were attached to the ordinary plain spring-loop, they would stand out beyond the inner face of the spring, forming a projection on each side which would chafe and wear both the strap and collar and be difficult to operate, while in securing the advantage of the leather ends for the hinge and handle I avoid these objectionable features, forming the offsets 2 2 to receive the ends of the straps *h h'*, which are riveted thereto, as shown in Fig. 3.

What I claim as my invention, and desire to secure by Letters Patent, is the following:

1. A pad-fastener comprising a spring-loop *s*, having offsets 2 2, a handle *h*, and a hinge-strap *h'*, fastened to such loop within the offsets, substantially as shown and described.

2. A collar-pad fastener comprising a spring-loop *s*, having offsets 2 2, a handle *h*, and a hinge-strap *h'*, connected to such looped spring in the offsets by rivets or similar devices, and means for attaching the fastener to the pad, all combined substantially as shown and described.

In witness whereof I have hereunto set my hand this 23d day of June, 1890.

JOHN C. MENDENHALL.

Witnesses:

H. D. NEALY,  
E. B. GRIFFITH.