

(No Model.)

F. WIGGINS.  
SWEAT PAD ATTACHMENT.

No. 343,880.

Patented June 15, 1886.

Fig. 1.

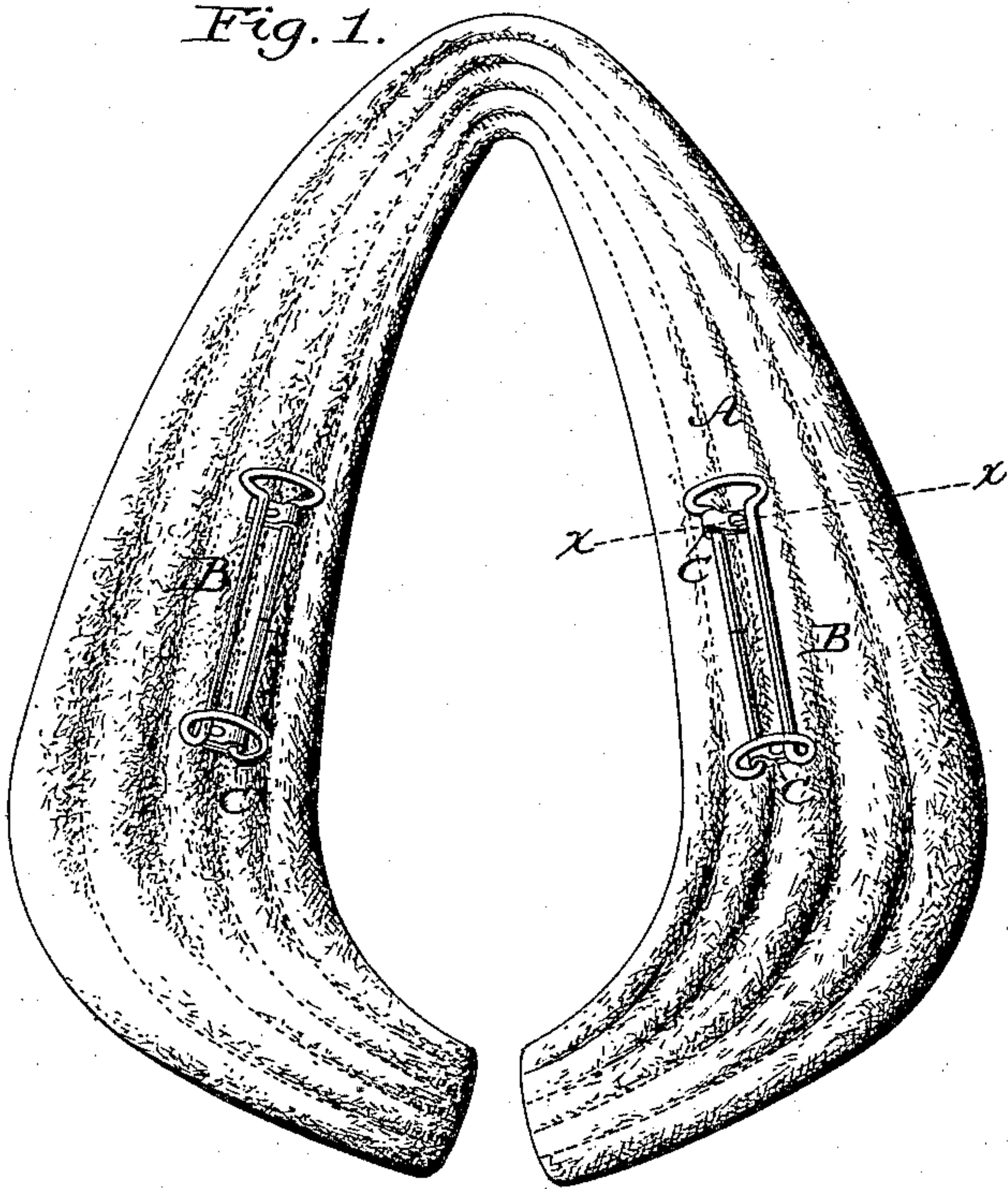


Fig. 2.

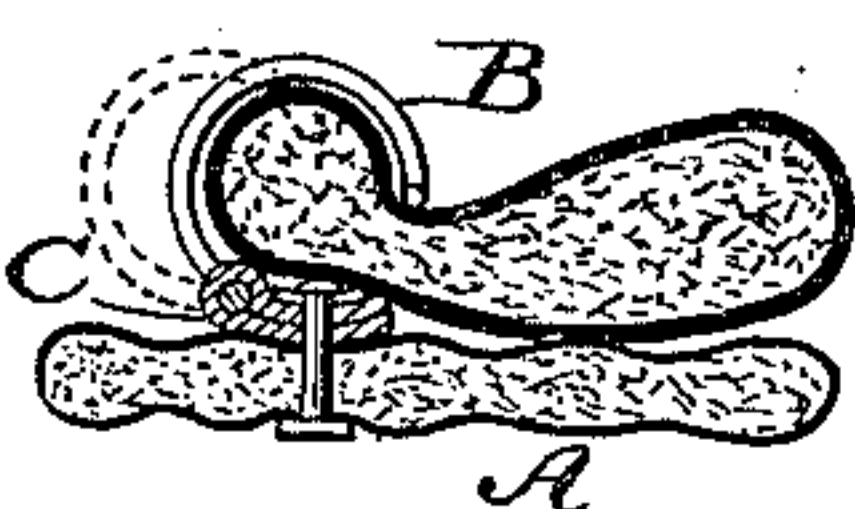


Fig. 4.

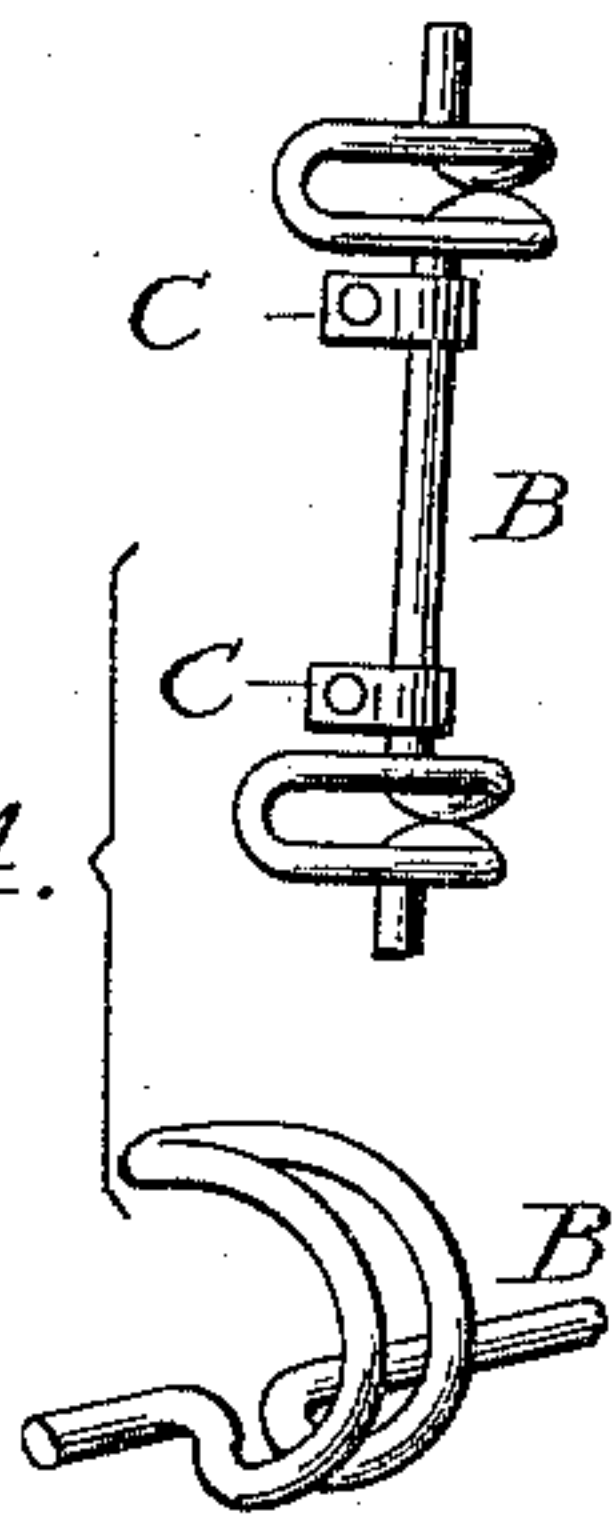
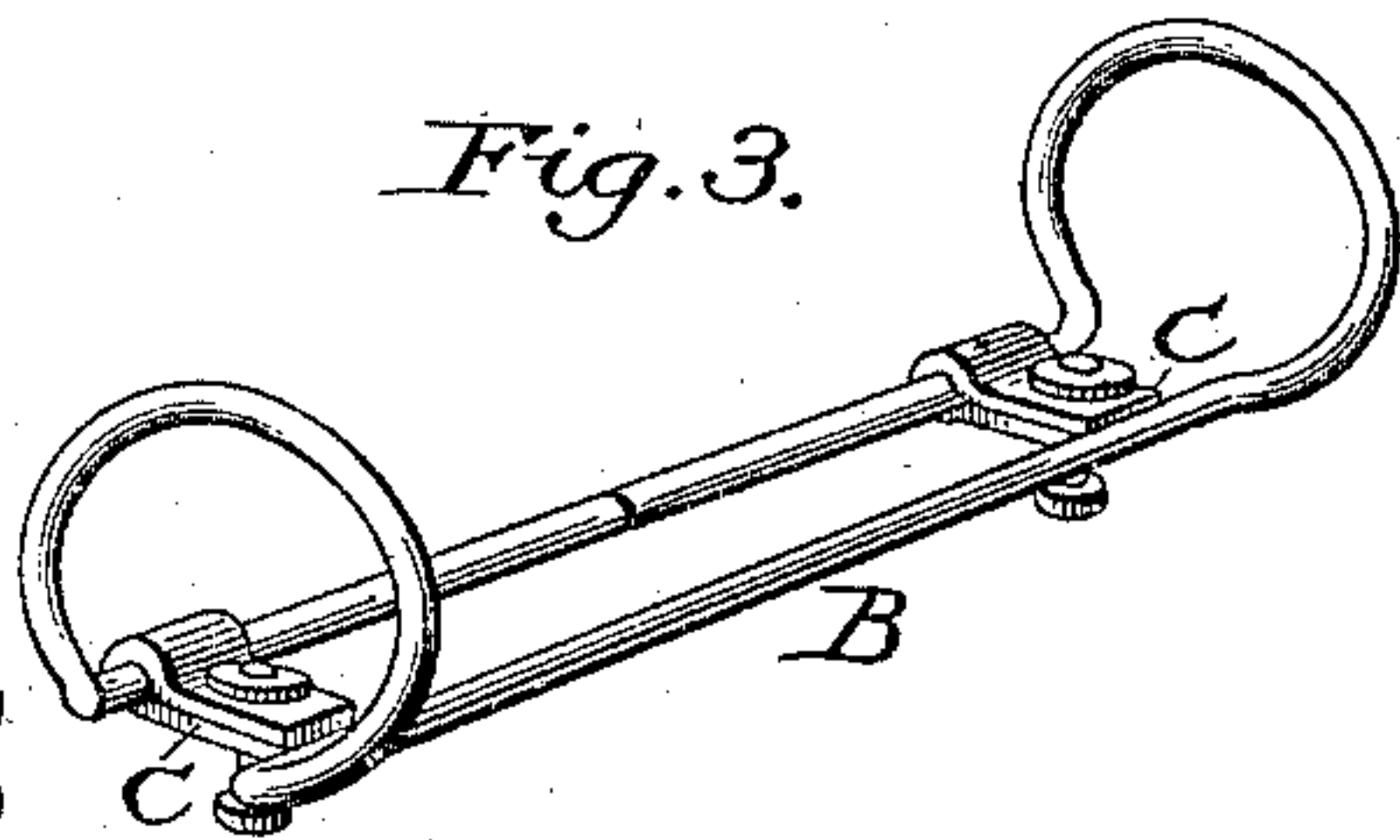


Fig. 3.



Witnesses:

James P. Duffham  
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Inventor:

Frank Wiggins,  
by Dodge Son,  
his Atty.



# UNITED STATES PATENT OFFICE.

FRANK WIGGINS, OF RICHMOND, INDIANA.

## SWEAT-PAD ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 343,880, dated June 15, 1886.

Application filed April 13, 1886. Serial No. 198,749. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK WIGGINS, of Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Sweat-Pads, of which the following is a specification.

My invention relates to sweat-pads for harness; and it consists in a novel construction of the spring-clamp for attachment of the pad, as hereinafter fully set forth.

In the drawings, Figure 1 is a face view of a sweat-pad for attachment to a horse-collar having my improved clamp attached; Fig. 2, a cross-section of the same on the line  $x x$ , and Fig. 3 a perspective view of the spring-clamp; Fig. 4, a view illustrating a slight modification.

The object of my invention is to so construct a device of this class that it shall be simple, cheap, and efficient; and to this end I adopt the construction shown in the drawings, in which A represents the sweat-pad of the form used in connection with a horse-collar, and B B the spring-clamps secured to the pad and forming the means of attachment to the collar. The clamps B, as shown, are preferably formed of a single piece of wire, and are secured to the pad A by means of clips C. These clamps B are formed of unannealed steel, preferably; but it is apparent that they may be made of brass or iron wire. The clips or attaching devices C are formed of a single or double plate of metal, leather, or other suitable material, which is bent upon itself, as shown in Fig. 2, and riveted, screwed, or otherwise secured to the pad A. I prefer, however, that the plates or clips C should be made of metal and be riveted to the pad, as indicated in Figs. 1 and 2.

The ends of the wire forming the spring-clamps B are inserted in the fold or bend of the clips C, and are preferably joined. Beyond the clips C at each end the spring-clamps B are bent into circular form at right angles to the pad, the said circular ends being connected by a straight portion running parallel with the pad and a short distance therefrom, as indicated.

In order to attach the pad to the collar, it is only necessary to open or spring out the

bowed or circular end portions of clamp B, as indicated in dotted lines in Fig. 2, and slip them upon the collar, allowing the clamps to resume their former position, hugging closely upon the circular outer portion of the collar, as shown.

The circular ends of the clamp will firmly hold the pad in place, and the straight portion will engage under the raised edge of the collar and prevent lateral displacement.

As shown in Fig. 4, the straight connecting-bar may be secured to the collar by the clips C, the clamp or clasp being formed with curved arms near each end, and the ends of the wire extended outward in line with the straight bar.

In some cases it will be found desirable to make the spring-clamps of several pieces, and solder or otherwise secure them to the ends of the straight connecting-bar.

It is very desirable that the pad be attached to the collar at two (or more) points by each of the spring-clamps B, which are on opposite sides of the pad, as shown in Fig. 1, so that any tendency there is of the pad slipping on the collar is avoided, and the pad held much more firmly in place than where a single hook is used on each side of the collar. It is for these reasons that I provide the clamp B with circular ends and a straight connecting portion.

The number of clips C used may be varied as deemed desirable.

I am aware that it has been proposed to make a hook for clasp the front roll of a horse-collar of wire, and bent near its ends to form laterally-extending arms, and I make no claim thereto.

Having thus described my invention, what I claim is—

In combination with pad A, plates C, riveted or otherwise secured thereto, spring-clamp B, attached to said plate at one side, and having the circular ends and straight connecting portion.

FRANK WIGGINS.

Witnesses:

WM. C. BERNHARDT,  
ED. THATCHER.