(No Model.)

# S. I. FIELDS.

## FASTENER FOR SWEAT PADS.

No. 554,668. Patented Feb. 18, 1896.

Fig. 1.

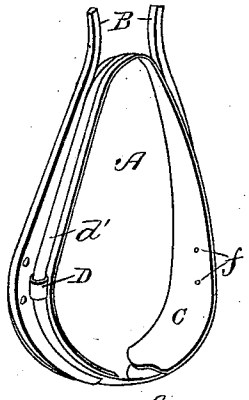



Fig. 2.

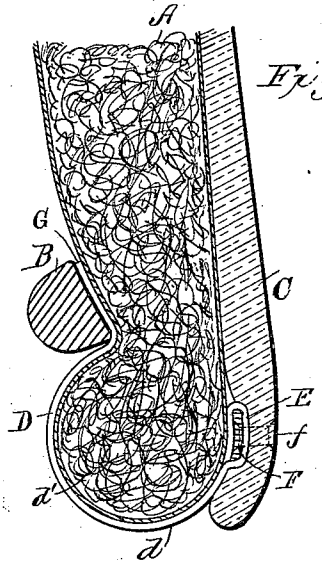
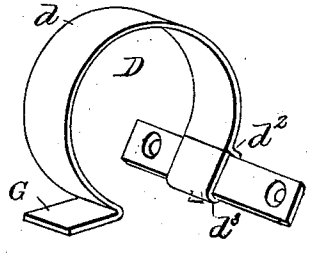



Fig. 3.




Witnesses
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# UNITED STATES PATENT OFFICE.

SAMUEL I. FIELDS, OF WILMINGTON, OHIO, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO ADAM SCOTT, OF SAME PLACE AND DECATUR, ILLINOIS.

## FASTENER FOR SWEAT-PADS.

SPECIFICATION forming part of Letters Patent No. 554,668, dated February 18, 1896.

Application filed December 21, 1892. Serial No. 455,897. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL I. FIELDS, a citizen of the United States, residing at Wilmington, in the county of Clinton and State of Ohio, have invented certain new and useful Improvements in Fasteners for Sweat-Pads; 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.

My invention has relation to fasteners for securing sweat-pads to horse-collars; and it consists in the construction and novel arrangement of parts, as hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the appended claim.

The object of my invention is to provide a fastener of the character described that is simple in its construction and positive in its working; further, to so form the fastener that when secured to the sweat-pad and in place on the collar all danger of chafing or rubbing either the pad or collar is reduced to a minimum; further, to form a securing-loop at one end of the fastener whose inner wall is flush with the interior plane of the ring portion of the fastener, whereby a smooth and regular interior surface is presented to the ring, thus allowing it to snugly grip the front roll of the collar. By so forming the loop any drawing or jerking action on the collar will not cause the loop to open or spread apart, and as a further guard against the pad working from under the collar the fastener is provided at its opposite end with a tongue adapted to fit between the collar and hames.

In the drawings, Figure 1 represents a perspective view of my invention shown attached to so much of a horse-collar as will suffice to illustrate its application; Fig. 2, a horizontal section taken through the collar and pad immediately above the fastener, the hame being shown in place; Fig. 3, a detail perspective view of the fastener.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A designates a horse-collar, B the hames, and C the sweat-pad, all of any preferred style.

D designates the fastener, which, by preference, is constructed of a piece of ribbon-steel and bent to the general form of a substantially C-shaped ring, as at *d*, said ring being adapted to snugly fit the front roll *d'* of the collar A.

At a suitable point on the ring portion *d* the ribbon-steel is given a short outward and downward bend, forming an approximate ogee curve $d^2$. The ribbon-steel is then given a return bend, as at $d^3$, and its end made to contact with the curve $d^2$, forming an elongated loop E, for a purpose presently explained. It will thus be seen that in forming the loop E in the manner above set forth its inner wall lies in the same plane as the interior of the ring portion *d*, thus permitting said ring portion to snugly grip the front roll *d'* of the collar A for its entire length and not present any uneven surface whereby the collar may be rubbed. This construction also utilizes the entire width of the strip of steel and avoids the necessity of slotting it longitudinally and bending the portion of it between the slots out of the plane to permit of the passage of the fastener, and it also avoids the uncovered end, which will soon wear holes in the material against which it rubs, or which will be catching against foreign substances, as will be the case where the end is not folded back upon itself upon the interior of the loop.

To attach the fastener D to the sweat-pad I prefer to employ the following means: F designates a strip of leather of such size as to fit the slot or loop E and of such length as to permit of being perforated at each end for the passage of rivets *f*, by means of which the fastener is secured to the sweat-pad.

At its free end the ring *d* is bent at right angles, forming a tongue G, adapted to fit between the collar and hames, rigidly holding the pad in position.

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

The combination, with a sweat-pad, of a

strap secured at its ends thereto, and a fastener secured to the strap, said fastener comprising a substantially C-shaped single piece of flat imperforate spring material, one end of which is bent at substantially a right angle, and is adapted to fit under the hames, and the opposite end is doubled back upon itself to form a substantially rectangular loop, the portion forming one end of the loop being bent outwardly from the main portion, and the free end forming one side of the loop lying in the same plane with the main portion, and ending adjacent to the said outwardly-bent portion, whereby the inner portion of the loop is substantially continuous with the main portion of the fastener, and the body of the loop lies in a different plane, substantially as set forth.

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

SAMUEL I. FIELDS.

Witnesses:
W. I. STEUART,
JENNIE PATTERSON.