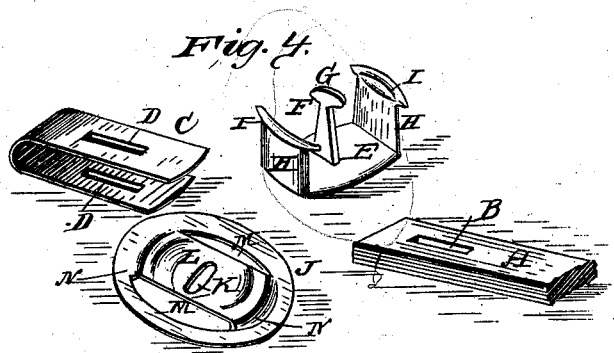
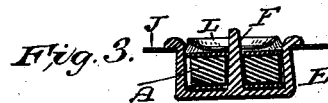
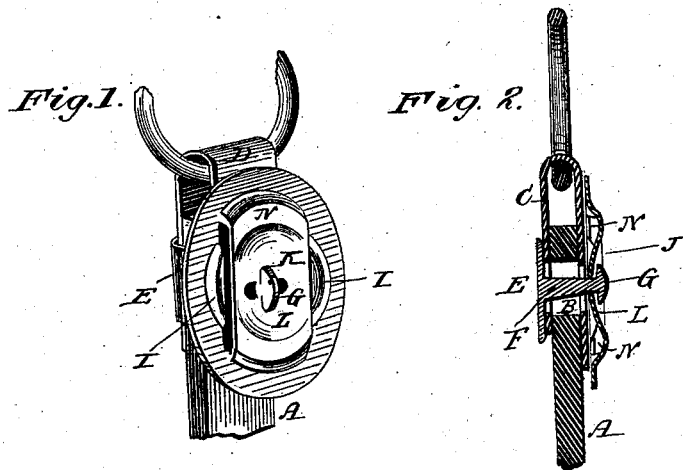


(No Model.)

G. D. SMITH.
Harness-Clasp.

No. 227,929.

Patented May 25. 1880.



WITNESSES
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UNITED STATES PATENT OFFICE.

GEORGE DAVIS SMITH, OF SPARTANBURG, SOUTH CAROLINA.

HARNESS-CLASP.

SPECIFICATION forming part of Letters Patent No. 227,929, dated May 25, 1880.

Application filed April 7, 1880. (No model.)

To all whom it may concern:

Be it known that I, GEORGE DAVIS SMITH, of Spartanburg, in the county of Spartanburg and State of South Carolina, have invented certain new and useful Improvements in Harness-Clasps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to an improved clasp for the attachment of rings, &c., to the ends of harness-straps; and it consists in certain improvements in the construction and arrangement of parts constituting the said clasp, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved clasp complete. Fig. 2 is a longitudinal sectional view. Fig. 3 is a cross-section; and Fig. 4 represents, in perspective, the several parts constituting my improved clasp detached from each other.

Corresponding parts in the several figures are denoted by like letters of reference.

A represents the end of a harness-strap, which is provided with a longitudinal slot, B.

C is a sheet-metal strap, which is bent into the form of a staple and fitted upon the end of the harness-strap. The ends of staple C, which is of the same width as the harness-strap, are provided with slots D D, corresponding with the slot B.

E is a metallic plate provided with a centrally-located T-stud, F, the upper or cross piece of which, G, is parallel to the sides H of the plate, which are turned up at right angles to the latter and provided with outturned segmental flanges I. The under side of the cross-piece G of the T-stud is beveled, as shown, from the shank up toward the corners.

J is a metallic plate provided with a central transverse slot, K, around which a depression or concavity, L, is formed in the upper side of the plate. Adjoining the said concavity the plate is provided with two longitudinal

slots, M M, located at the edges of a concavity or recess, N, in the under side of the plate. The latter is made, preferably, of sheet metal and stamped to the required shape, as shown.

In operation, the ring or other article which is to be attached to the end of the strap is first adjusted in the staple C. The strap A is then placed in the latter, and the slots B D D caused to register, so as to enable the T-stud F of plate E to be passed through. The head of the T-stud is now passed through the slot K in plate J, in the recess N of which the flanges I of plate E are meanwhile accommodated, and the said plate J is then turned upon the pivotal point formed by the shank of the T-stud until it is locked in position by the head of the T-stud and by the flanges I of plate E, which said flanges pass through the slots M in plate J and rest upon the edges of the latter.

From the foregoing description, and by reference to the drawings hereto annexed, my invention and its advantages will be readily understood by those skilled in the art to which it appertains. It is simple in construction, durable, inexpensive, and capable of being attached or detached in a moment's time. It is also capable of being made highly ornamental.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in clasps for harness, the combination, with a slotted strap, A, of the staple C, having slots D D, plate E, having T-stud F, and upturned sides H, provided with outturned segmental flanges I, and the plate J, having slots K M M and recesses or concavities L N, all constructed and operating substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE DAVIS SMITH.

Witnesses:

J. R. LITTELL,
WM. BAGGER.