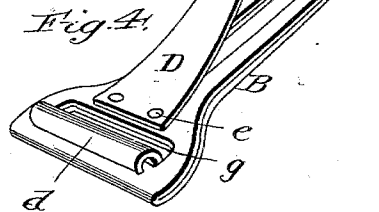
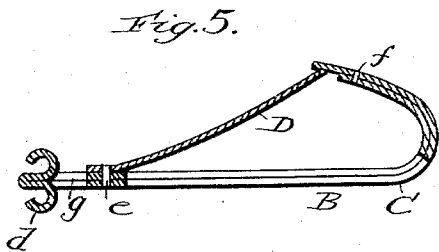
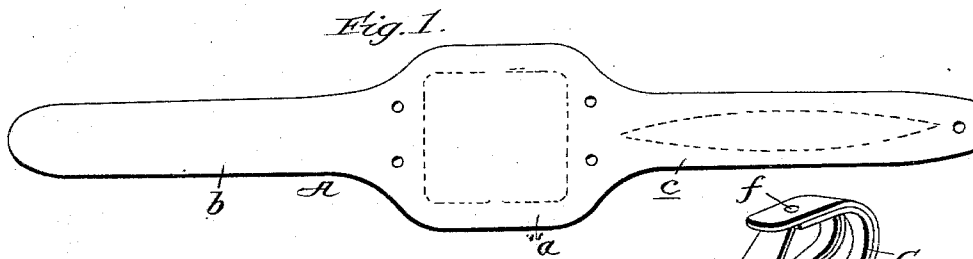
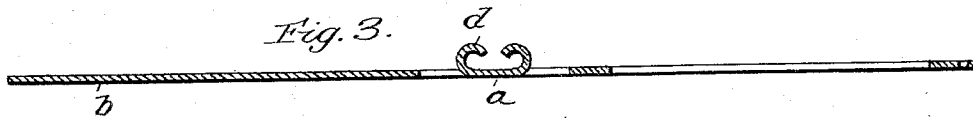
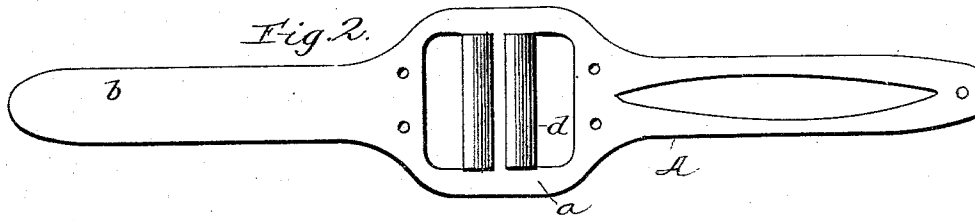


(No Model.)

J. C. FENDLER.
HARNESS STRAP HOOK.

No. 563,851.

Patented July 14, 1896.



Witnesses:

E. Raeder
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UNITED STATES PATENT OFFICE.

JOHN C. FENDLER, OF ST. LOUIS, MISSOURI.

HARNESS-STRAP HOOK.

SPECIFICATION forming part of Letters Patent No. 563,851, dated July 14, 1896.

Application filed February 17, 1896. Serial No. 579,548. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. FENDLER, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Harness-Strap Hooks; 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.

My invention relates to improvements in snap-hooks, and its novelty and advantages will be fully understood from the following description and claims when taken in connection with the drawings, in which—

Figure 1 is a plan view of the blank from which the body of my improved snap-hook is formed. Fig. 2 is a plan view of the blank with a portion removed and other portions struck up preparatory to bending it upon itself. Fig. 3 is a longitudinal central section of the same. Fig. 4 is a perspective view of the snap-hook ready for use. Fig. 5 is a longitudinal central section of the same.

Referring by letter to the said drawings, A indicates the blank or piece of metal from which the body B of my improved snap-hook is formed. This blank A, as better shown in Fig. 1, comprises the middle portion *a*, the portion *b* at one end of the portion *a*, which is reduced in width as compared to the portion *a* and preferably has its outer end rounded, and the portion *c* at the opposite end of the portion *a*, which is of the same width as the portion *b*, but is preferably of a less length than the same, for a purpose presently described.

In forming the body B of the snap-hook from the single sheet-metal blank described a portion is stamped out of the reduced portion *c* of the blank, as illustrated in Fig. 2, to permit of the said portion *c* being readily bent, and the portions *d* (better illustrated in Figs. 2 and 3) are struck up from the middle portion *a*, and are curved, as shown, to afford a broad bearing for the strap or the like to which the hook is connected. The said blank is then bent upon itself and the portions *b c* are shaped to form the hook C, after

which the two branches of the blank are connected together by the rivets *e* and the rivet *f*, as better illustrated in Fig. 5 of the drawings.

As will be readily appreciated, the hook-body B may be very quickly and easily formed in the manner just described from a single piece of sheet metal, and it will also be appreciated that such a hook-body is very strong and durable and is well able to withstand the sudden shocks, as well as the long continued strains, to which the snap-hooks are ordinarily subjected.

D indicates the tongue of my improved hook. This tongue D, which is formed of spring or resilient metal, is connected at one end to the body B, preferably through the medium of the rivets *e*, before described, and at its opposite end it is designed to bear against the under side of the portion *b* of the blank from which the body is formed, as illustrated.

The striking up of the portions *d* from the blank A serves, when the blank is bent upon itself, to form an eye *g* for the reception of a harness-strap or other device to which the hook is connected, and the said portions *d*, being rounded, as illustrated, will afford a broad bearing for the strap and will consequently prevent cutting or wearing of the same, which is a desideratum.

Having described my invention, what I claim is—

1. The snap-hook described comprising the hook made of a single piece of sheet metal bent upon itself at a point that becomes the rear end of the hook so as to form a hook of two thicknesses of metal and having the portions *d*, struck up from its two thicknesses of metal and curled outwardly from its opposite sides and rearwardly so as to form a broad and strong bearing and also having the aligned apertures *g*, in its thicknesses of metal formed by the displacement of the portions *d*, rivets connecting the thicknesses of metal, a tongue, and rivets connecting the tongue to the hook, substantially as specified.

2. The hook described made of a single piece of sheet metal bent upon itself at a

point that becomes the rear end of the hook
so as to form a hook of two thicknesses of
metal and having the portions *d*, struck up
from its two thicknesses of metal and curled
5 outwardly from its opposite sides and rear-
wardly so as to form a broad and strong
bearing and also having the alined or regis-
tered apertures *g*, in its thickness of metal

formed by the displacement of the portions
d, substantially as specified. 10

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

JOHN C. FENDLER.

Witnesses:

HENRY C. WILLIAMS,
JOHN GANSMAN.