

(No Model.)

R. J. GOERNER.
COMBINED BUCKLE AND BUCKLE SHIELD.

No. 533,455.

Patented Feb. 5, 1895.

Fig I.

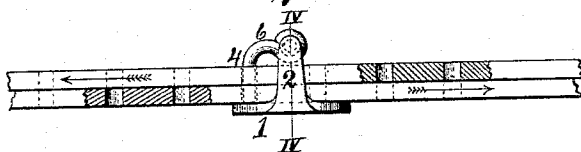


Fig II.

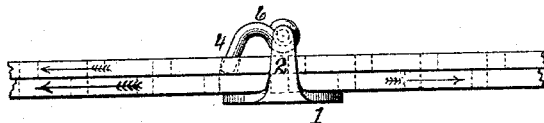


Fig III.

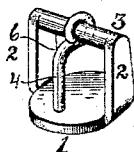
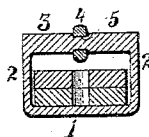


Fig IV.



Attest
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RUDOLPH J. GOERNER, OF ST. LOUIS, MISSOURI.

COMBINED BUCKLE AND BUCKLE-SHIELD.

SPECIFICATION forming part of Letters Patent No. 533,455, dated February 5, 1895.

Application filed November 27, 1893. Serial No. 492,069. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH J. GOERNER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in a Combined Buckle and Buckle-Shield, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a buckle which can be cheaply made, is exceedingly strong and durable, is not likely to tear the leather, is capable of being used on a very thick strap, or more than one strap of leather, and which when in use on a harness, (for which it is well adapted,) is not liable to catch the animal's tail, the point of the tongue of the buckle not being exposed.

My invention consists in features of novelty hereinafter fully described and pointed out in the claim.

Figure I is a side elevation of my improved combined buckle and shield, showing it in using position. Fig. II is a similar view, showing the tongue partly withdrawn from the straps. Fig. III is a perspective view of the combined buckle and shield; and Fig. IV is a section taken on line IV—IV, Fig. I.

Referring to the drawings, 1 represents a disk or plate, from which project vertical cheek plates or arms 2, the ends of which are joined by a cross-bar 3. The disk 1, arms 2 and cross-bar 3 are all formed in one piece, preferably by casting them, and thus are made very cheap, and there is no opportunity for any part to become loose.

4 is the tongue of the buckle, one end of which is bent around the cross-bar 3, the cross-bar being preferably grooved as shown at 5, Fig. IV, to receive the bent portion or eye of the tongue. Close to the bar 3, the tongue is bent, as shown at 6, so that it has a portion which extends at about a right angle to the length of the bar 3, and a normally vertical portion which extends from the bend 6 to the disk 1, as shown in Fig. III. When the buckle is in use, the portion of the tongue

from the bend 6 to the end is in a vertical position, as shown in Fig. I, so that there is a straight pull of the leather on the tongue instead of a slanting pull, as in the ordinary buckle, and thus danger of tearing the leather is, to a great extent, avoided.

When the buckle is in using position, the end of the tongue rests against the upper face of the disk 1, and is thus shielded and prevented from catching the animal's tail when the buckle is used on a harness.

By virtue of having the tongue enter the leather at a right angle to the line of strain, or at a right angle to the length of the strap, a very thick strap may be used, or more than one strap, as shown in the drawings, and when it is desired to disconnect the buckle, all that is necessary is to pull on the lower strap, as shown by the heavy arrow, Fig. II, if this strap alone is to be adjusted, and if both straps are to be adjusted, the tongue will be easily disengaged by holding the buckle with one hand and pulling on both straps with the other, in the direction of the heavy arrow, Fig. II.

When the buckle is in use, a strain on the two straps, in opposite directions, as shown by the light arrows in Figs. I and II, will not cause the tongue to be disengaged from either strap.

A buckle thus made is very strong and durable, and has a handsome appearance when in use.

I claim as my invention—

A combined buckle and shield comprising a body formed in one piece with an imperforate disk 1, vertical arms 2, and a cross-bar 3 connecting the arms, and a tongue 4 formed with an inner portion 6 extending radially from the cross-bar and with an outer portion extending at right angles to the inner portion and seating with its end on the inner face of the disk; substantially as described.

RUDOLPH J. GOERNER.

In presence of—

F. A. EDWARDS,
J. F. BRENNAN.