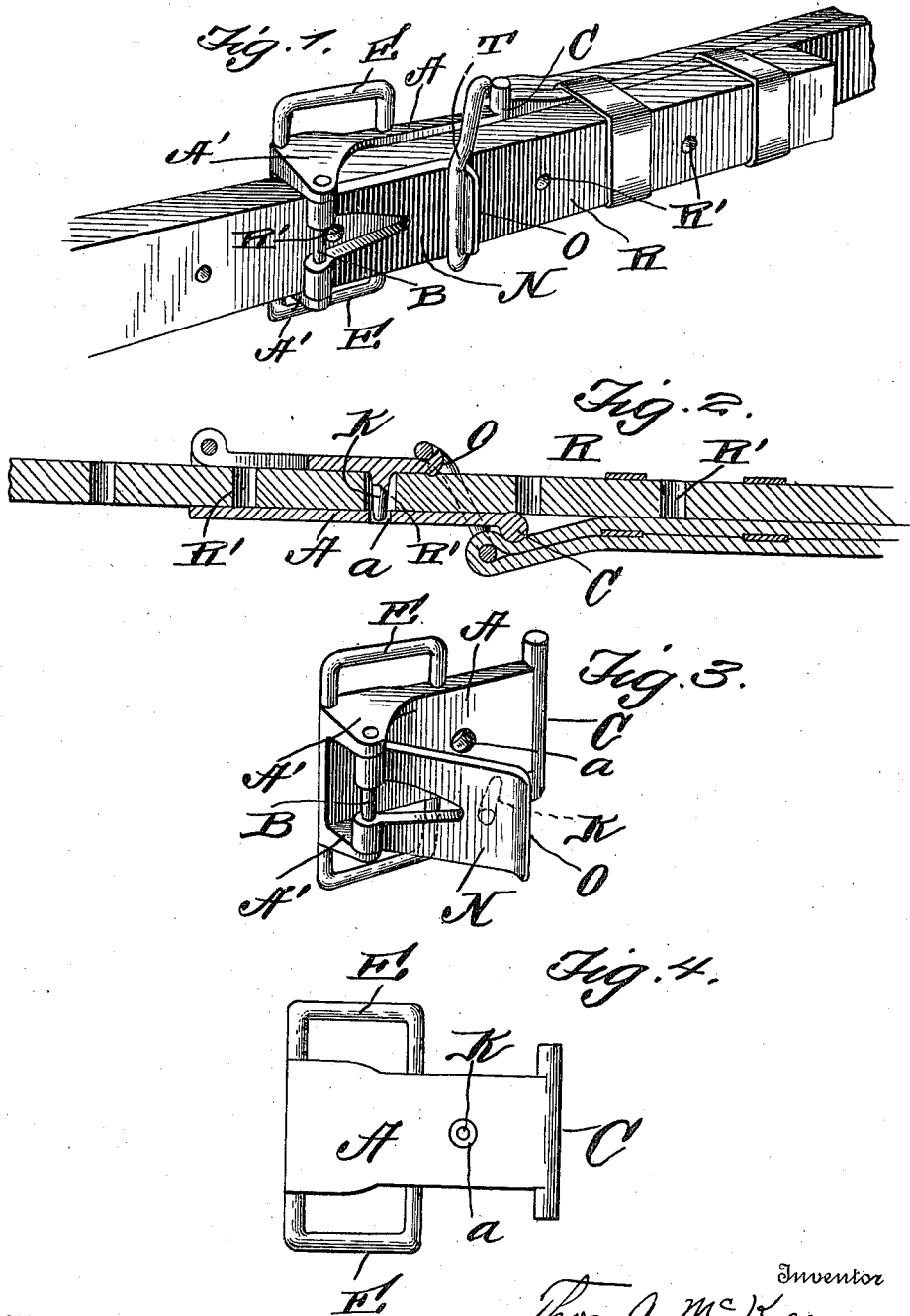


T. A. McKEE.
TUG BUCKLE.
APPLICATION FILED DEC. 18, 1909.

976,090.

Patented Nov. 15, 1910.



Witnesses

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TUG-BUCKLE.

976,090.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOS. A. McKEE, a citizen of the United States, residing at Memphis, in the county of Scotland and State of Missouri, have invented certain new and useful Improvements in Tug-Buckles; and I do hereby 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 and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in tug buckles and comprises a simple and efficient device of this nature, embodying various details of construction and combinations of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:

Figure 1 is a perspective view of a buckle applied to a tug showing the same locked. Fig. 2 is a central sectional view. Fig. 3 is a perspective view of the buckle, and Fig. 4 is a bottom plan view of the buckle.

Reference now being had to the details of the drawings by letter, A designates a plate forming a portion of the buckle, which has two wings A' projecting at right angles therefrom and parallel to each other and in which wings a pivotal pin B is mounted. The opposite end of the plate from which said wings project is a rib C, the ends of which project beyond the opposite edges of the plate proper, said rib projecting laterally from the under face of the plate of which it is an integral part and loops E project on either side of the plate and form means for attachment to the straps of a harness to hold the buckle in place. Said plate A has an aperture *a* formed therein and adapted to receive the pin K which projects from the under surface of the plate N, which latter is bifurcated and is pivotally mounted upon the pin B. The forward end of the plate N turns outwardly and has a convexed portion O, upon its under surface at its free end and which is adapted to co-

operate with the rib C, at the end of the plate A to grip the tug R, the pin K being adapted to pass through the aperture R' of the tug and engage the hole *a'* formed in the plate A.

T designates the bail upon the hame tug, and through which the plate A projects, the end of the bail T engaging over the plate N in the manner shown, thereby securely holding the latter in a locked relation. It will be noted that the lower part of the bail and the rib C cooperate to grip the strap between the same to securely hold the strap.

From the foregoing, it will be noted that by the provision of a buckle as shown and described, a secure fastening means adapted to withstand heavy strain, is afforded the tug for holding not only by the pin but by the gripping action of the two plates, which serve as jaws, the pin carrying plate being held in a secure locked relation.

What I claim to be new is:

In a buckle, the combination of a perforated plate having apertured ears along the marginal edges thereof adjacent to one end of the plate, the outer faces of said ears being flush with the edges of the plate and the outer ends of the ears flush with the end of the plate, one end of the latter terminating in a cylindrical outlined rib projecting from the face opposite the one from which said ears project, the ends of said rib projecting beyond the opposite edges of the plate, a pin mounted in the apertures of said ears, a hinged plate having one end turned into rolls forming bearings for the reception of said pin, the free end of said hinged plate bent to form a hook, a pin projecting from the under face of the hinged plate and adapted to engage a perforation in said first mentioned plate, a bail designed to engage over the hooked end of the hinged plate, and a strap secured to said bail and held by the latter frictionally against the projecting portion of said rib.

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

THOMAS ALEX. McKEE.

Witnesses.

FRANK F. REDD,
GEO. A. STANTON.