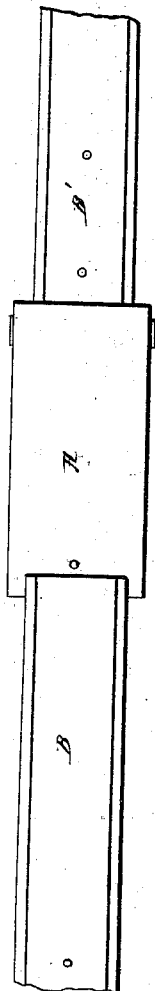


*J. S. Embich,*  
*Harness Buckle.*

*N<sup>o</sup> 7377.*

*Patented May 21, 1850.*

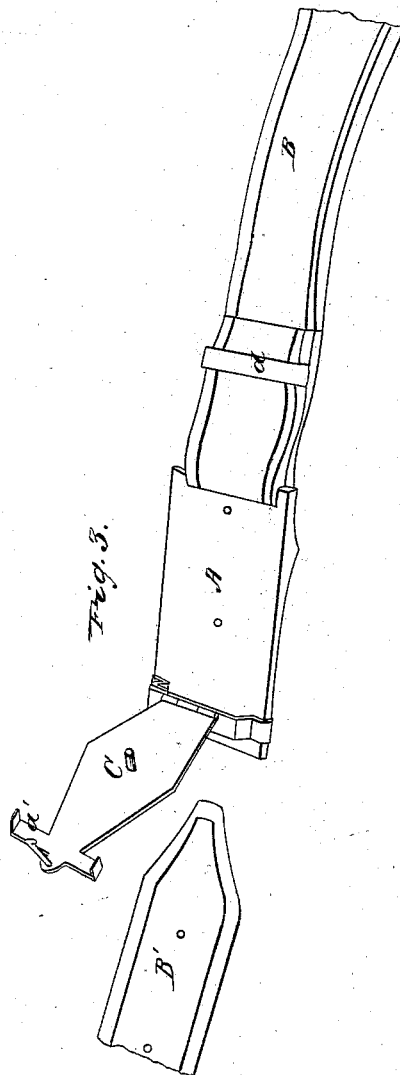
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



# UNITED STATES PATENT OFFICE.

JACOB S. EMBICH, OF GREEN VILLAGE, PENNSYLVANIA.

## IMPROVEMENT IN HARNESS-BUCKLES.

Specification forming part of Letters Patent No. 7,377, dated May 21, 1850.

*To all whom it may concern:*

Be it known that I, JACOB S. EMBICH, of Green Village, in the county of Franklin and State of Pennsylvania, have invented a new and useful Harness-Buckle, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form part of this specification, and in which—

Figure 1 represents a face view of my buckle and portions of the straps connected with it. Fig. 2 is a similar back view of the same, and Fig. 3 is a view with the movable strap disengaged.

My buckle consists of a plate of metal, which is secured at one extremity to one strap, and is furnished at its opposite extremity with a bridge or staple, beneath which the other strap is passed. A second plate is hinged fast to this bridge, and is furnished with two pins for holding the strap, (in place of the tongue of the common buckle,) which, when this plate is brought down upon the leather strap lying against the fixed plate, pass through holes made in the strap and enter holes made in the fixed plate, thus preventing the strap from being drawn from between the two plates. One of the pins is constructed with a hooked extremity, which, springing into a recess made for the purpose, prevents the plate to which the pins are secured from being accidentally withdrawn from the fixed plate.

In the drawings, A is the fixed plate of the buckle, in one extremity of which a rectangular opening is made, through which the end of the fixed shaft B is passed, and, being then doubled upon itself, is secured in the usual manner. The other extremity of the plate is fitted with a bridge or staple, *a*, of sufficient size to admit the movable strap B'. A plate, C, is hinged by one of its extremities to this bridge, and its opposite extremity is fitted with a bridge, *a'*, similar to the fixed one, *a*, so that this hinged plate, when in its nearest position to the fixed one, shall be separated from it by

a space equal to the thickness of the movable strap. The movable plate is fitted with two pins, *b c*, which are sufficiently long to enter holes made in the fixed plate when the two plates are closest to each other. The one pin, *b*, is a plane cylinder, the other, *c*, has a notch in its extremity, which catches upon the edge of the hole in the fixed plate, thus locking the two plates together.

When the movable strap is to be buckled, the operator applies his thumb-nail to the extremity of the pin *c* and disengages it from the fixed plate, and then turns the movable plate outward from the other. The movable strap B', which is punched with holes at distances apart equal to the distance of the one pin from the other, is then inserted beneath the fixed bridge and passed along the face of the fixed plate, its holes being brought over those of the latter. The hinged plate is then shut down upon the strap, and its pins, entering through the holes, prevent the strap from being withdrawn.

The movable strap should always be of sufficient length to allow its extremity to be passed beneath a loop or holdfast, *d*, on the fixed strap B, thus preventing the straining of the movable plate by the application of force to the end of the movable strap. I prefer to attach the pins *b c* to the movable plate; but it is obvious that they will effect the same purpose in retaining the movable strap when secured to the fixed plate.

What I claim as my invention, and desire to secure by Letters Patent, is—

A buckle constructed, substantially as herein set forth, of a fixed plate and of a movable plate, between which the strap is retained by pins secured to the one and engaging in the other.

JACOB S. EMBICH.

Witnesses:

JAMES S. ROSS,  
S. M. ARMSTRONG,