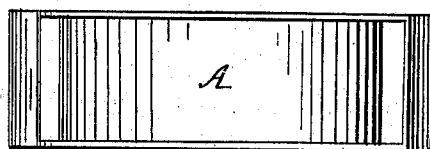
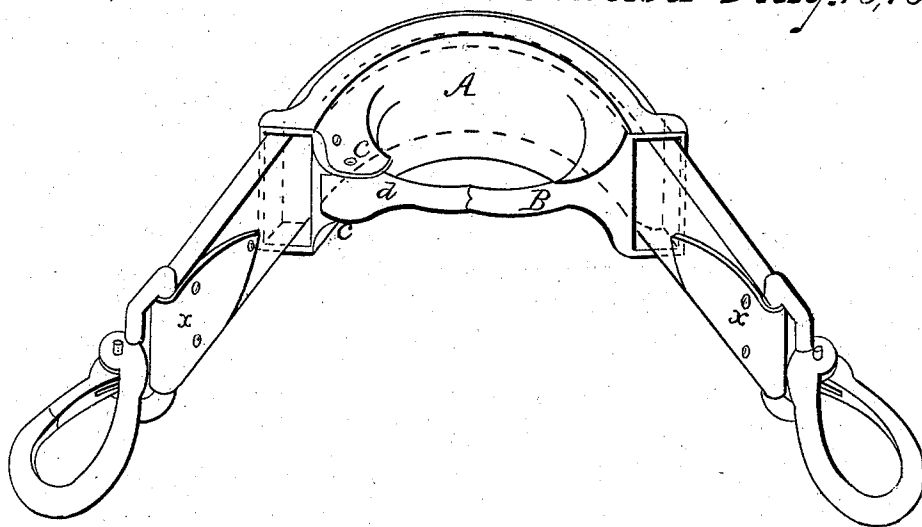


I. Roraback,
Harness Slide,
N^o 67,807. *Patented Aug. 13, 1867.*



Witnesses

A. H. Mann
V. D. Stockbridge

Inventor

Isaac Roraback
per
Alexander H. Mason
Att'y

United States Patent Office.

ISAAC RORABACK, OF SOUTH BEND, INDIANA.

Letters Patent No. 67,807, dated August 13, 1867.

IMPROVED BREAST-STRAP SLIDE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ISAAC RORABACK, of South Bend, in the county of St. Joseph, and in the State of Indiana, have invented certain new and useful improvements in "Breast-Strap Slides;" and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A represents the slide, which consists of a concavo-convex cast metallic plate. This plate has cast upon its concave side an arm, B, and two jaws *c c*, between which jaws is pivoted a tongue, *d*. A spring is placed under the pivoted end of tongue *d*, which throws it up against the arm B, the two serving to form a snap-joint. Upon the convex side of the slide is cast a broad groove, said groove being covered at its ends by a loop or keeper.

In using this slide the convex side is the under side. A strap is passed under the loops, and lies in the groove on the under side of the slide. Snap-hooks are secured to each end of the strap, and these hooks are caught in the rings on the hames. The neck-yoke ring at the end of the breast-chain is passed over the slide, and the tongue *d* being pressed down, said ring is caught and held on the concave side of the slide. The slide A shifts or slides upon the strap as the motion of the horse may require it. The strap which passes around the slide A is provided at its ends with metallic loops *x*, which are pivoted, and confine the snap-hooks to said straps.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The curved slide A, when provided with its arm B, jaws *c c*, and tongue *d*, with its spring, as and for the purposes specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 18th day of March, 1867.

ISAAC RORABACK.

Witnesses:

JAMES DAVIS,

GEORGE GEORGE.