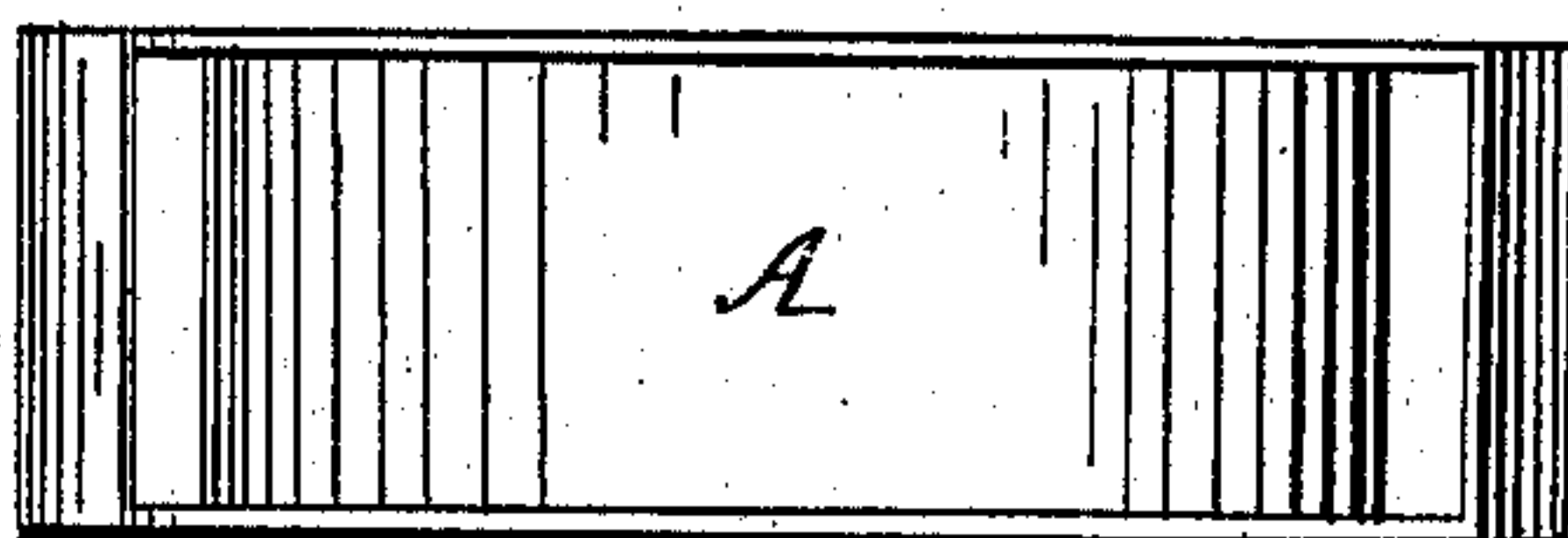
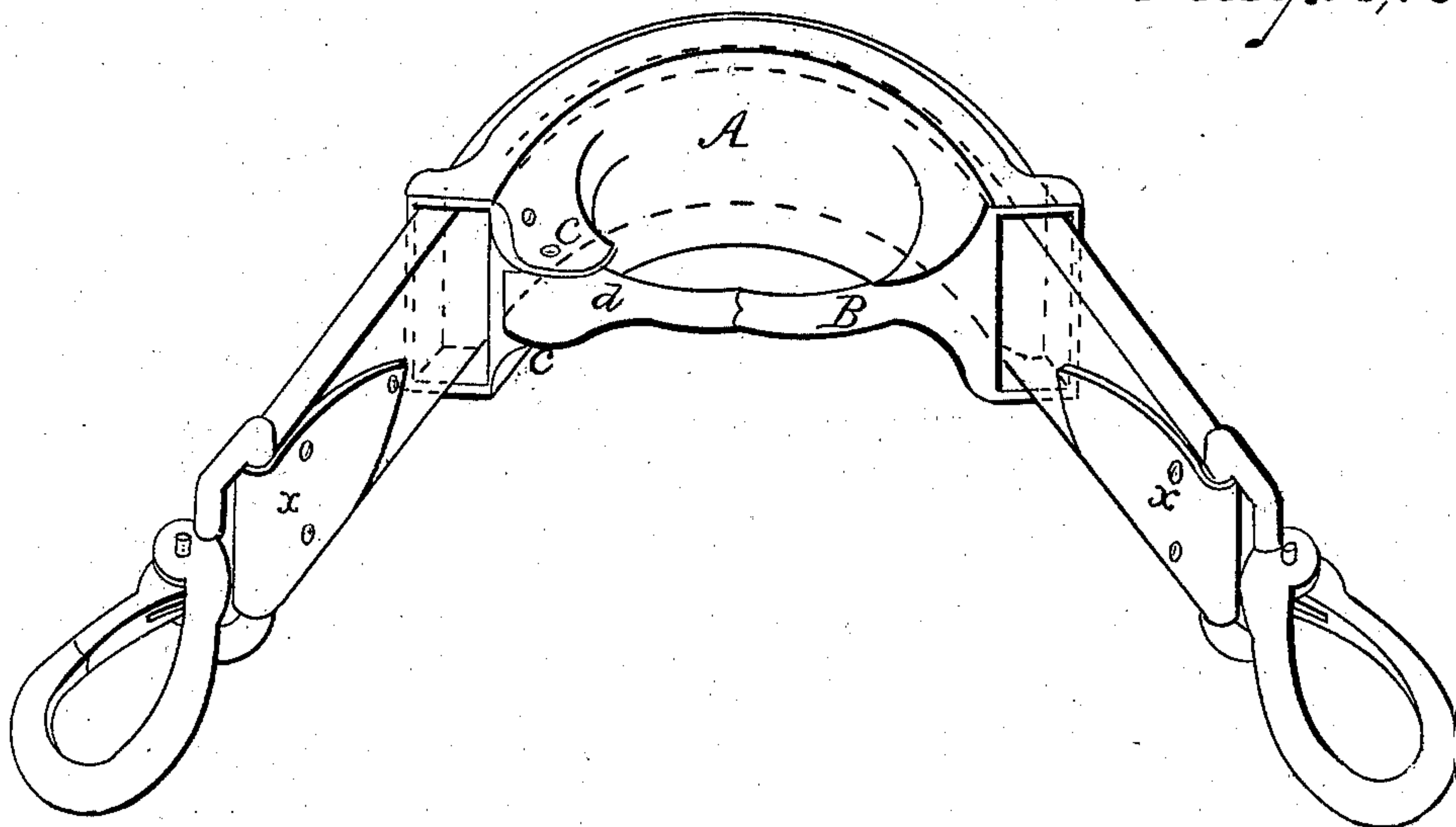


*I. Roraback,*  
*Harness Slide,*  
*Nº 67807. Patented Aug. 13, 1867.*



*Witnesses*

*A. H. Marr*  
*W. Stockbush*

*Inventor*

*Isaac Roraback*  
*per*  
*Alexander Hudson*  
*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.