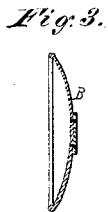
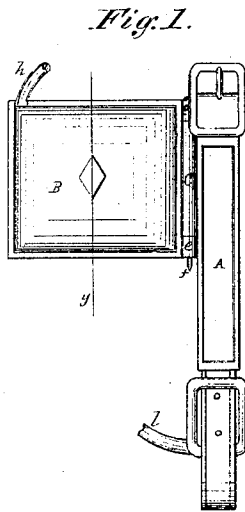
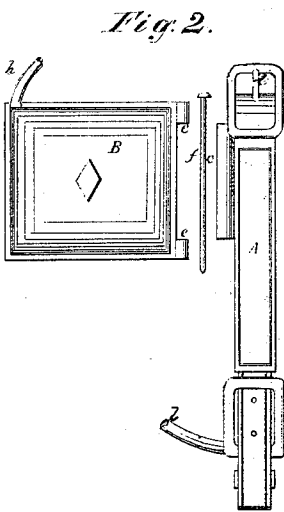


*J. L. Brown,*

*Harness Blind.*

*No. 108440.*

*Patented Oct. 18. 1870.*



*Witnesses*  
*P. G. Thomas*  
*D. Hestaway*

*Inventor*  
*John L. Brown* *By*  
*J. Johnston* *his attorney*

# United States Patent Office.

JOHN L. BROWN, OF CONNELLSVILLE, PENNSYLVANIA.

Letters Patent No. 108,440, dated October 18, 1870.

## IMPROVEMENT IN BLINDS FOR HARNESS-BRIDLES.

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, JOHN L. BROWN, of Conneltsville, in the county of Fayette and State of Pennsylvania, have invented a new and useful Improvement in "Blinds" or "Winkers" for Bridles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in hinging the winkers or blinds to the cheek-straps of a bridle, substantially as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

In the accompanying drawing which forms part of my specification—

Figure 1 represents the cheek-strap of a bridle furnished with my improvement in blinds or winkers.

Figure 2 represents the blind or winker detached from the cheek-strap.

Figure 3 represents a vertical section of the blind or winker when at line *y* of fig. 1.

In the accompanying drawing—

A represents the cheek-strap of a bridle, in which is secured a tube, C, of such diameter and length as will correspond to the tubes *e* and the space between, so that, when the tube C is placed between the tubes *e*, and the pintle *f* inserted in them, said tubes and pintle will form a perfect hinge-joint for the winker B,

so that it can be set at any desired angle with relation to the cheek-strap.

*h* represents the winker-strap, and  
*l*, the nose-strap of the bridle.

The tube C is made of sheet metal, and provided with a flange, for the purpose of securing it to the cheek-strap either by rivets or sewing it in or to the strap.

The blind or winker is constructed of sheet metal, and subsequently enameled or japanned, and may be of any desired contour, and is concave on the inside, and convex on the outside, for the purpose of giving it stiffness and strength.

Winkers constructed as herein described enable the manufacturer to construct bridles provided with them at less cost, greater facility, less weight, more durable and desirable, for the bridle can be used with and without the winker, it being susceptible of ready detachment, and easily replaced when such appendage is required on the bridle.

Having thus described the nature, construction, and operation of my improvement,

What I claim as of my invention is—

Hinging the blinds or winkers to the cheek-straps of a bridle, substantially as herein described, and for the purpose set forth.

JOHN L. BROWN.

Witnesses:

JAMES J. JOHNSTON,  
L. C. THOMAS.