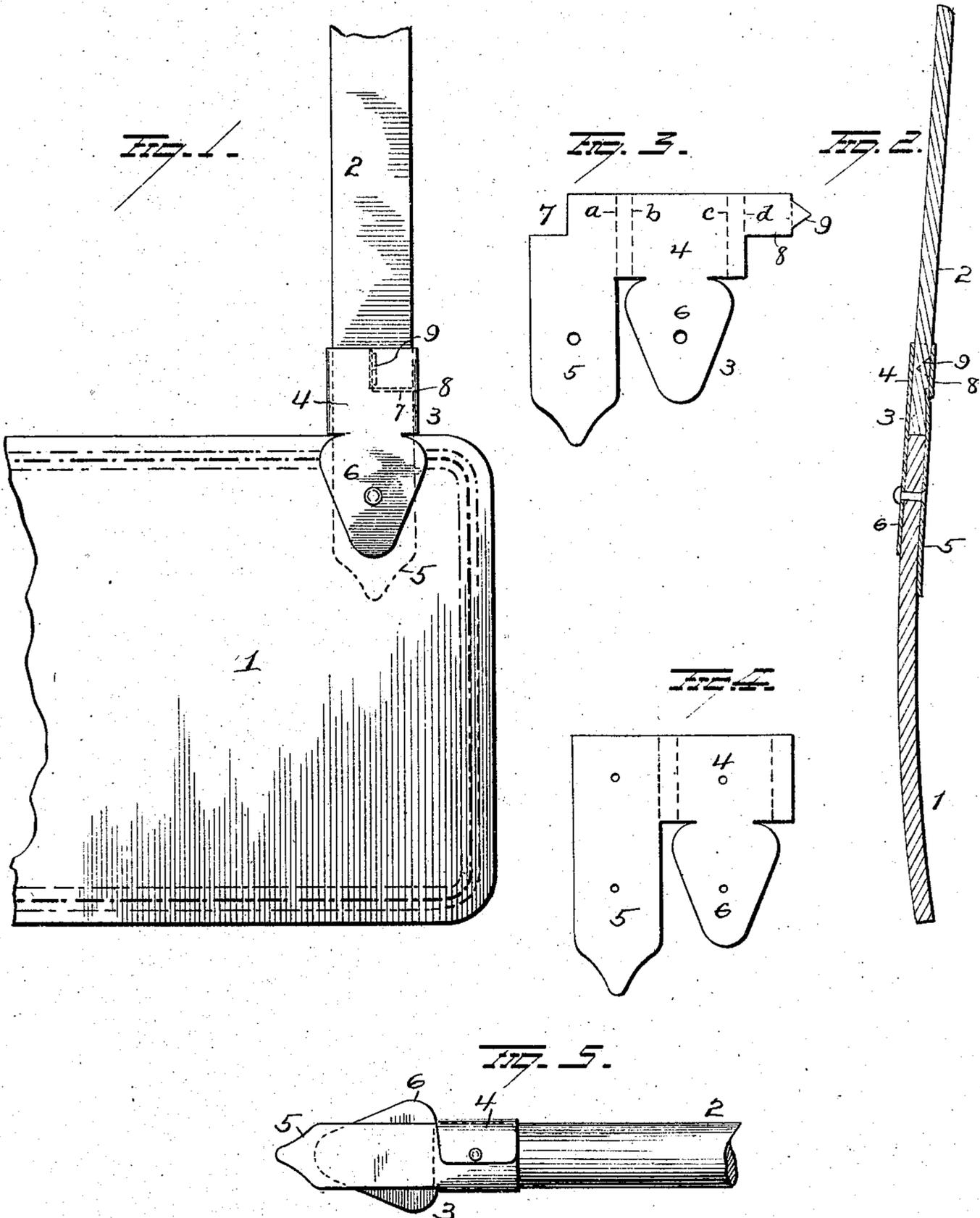


No. 894,467.

PATENTED JULY 28, 1908.

J. H. SCHAAF.  
WINKER BRACE CLIP.

APPLICATION FILED OCT. 24, 1907.



WITNESSES  
E. J. Nottingham  
G. J. Downing.

INVENTOR  
J. H. SchAAF  
By H. A. Seymour  
Attorney

# UNITED STATES PATENT OFFICE.

JOSEPH HENRY SCHAAF, OF LOUISVILLE, KENTUCKY.

## WINKER-BRACE CLIP.

No. 894,467.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed October 24, 1907. Serial No. 398,954.

*To all whom it may concern:*

Be it known that I, JOSEPH HENRY SCHAAF, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Winker-Brace Clips; 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.

My invention relates to an improvement in harness bridles, and more particularly to means for connecting braces to the winkers,—the object of the invention being to provide simple and efficient means for effectually securing the winker braces to the winkers and to so construct such means that they shall be cheap to manufacture, easy of application, strong and durable and attractive in appearance.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawing, Figure 1 is a view of a winker and its brace showing the application of my invention thereto. Fig. 2 is a sectional view. Fig. 3 a view of the blank from which the clip is made. Fig. 4 is a view of a blank from which a slightly modified form of clip is made, and Fig. 5 is a view illustrating the application of the clip to a round strap or brace.

1 represents a winker, such as used on harness bridles, and 2 the brace for holding the same in position. The brace 2 is rigidly secured to the winker, preferably in proximity to the upper, outer corner thereof, by means of my improved clip 3.

The clip 3 is preferably constructed of sheet metal or other sheet material capable of being bent or formed into a clip. In constructing this clip I first make a blank, such as shown in Fig. 3. This blank comprises a portion 4 from one end of which an arm or member 5 projects at right angles. In proximity to the arm or member 5, another arm or member 6 projects from the portion 4 of the blank so as to be disposed substantially parallel with the arm or member 5. These arms or members preferably

have an ornamental configuration so as to add to the attractiveness of the clip. One end of the portion 4 of the device, under the arm or member 5, is notched as at 7 to receive a tongue 8 which projects from the other end of the portion 4 when the blank is bent as hereinafter described, and at the end of the tongue 8, a tooth 9 is provided for a purpose which will presently appear.

The blank is bent or folded on the lines *a, b, c, d*. When folded on these lines the portion 4 can be made to embrace the end of a winker brace or strap having a rectangular cross-section,—the tongue 8 entering the notch 7 and overlapping one edge thereof and the tooth 9 (after having been bent at right angles to the tongue) is driven into the strap or brace, so as to secure the clip thereto. The arms or members 5—6 are then made to embrace the winker 1 and are secured thereto by means of one or more rivets. If desired that portion of the clip attached to the brace may be riveted to the latter in addition to being secured thereto by means of the tooth 9.

In the form of clip made from the blank shown in Fig. 4 the notch 7, tongue 8 and tooth 9 are omitted, and both portions of the clip are riveted respectively to the winker and winker brace.

When a round strap is used for a brace the base portion 4 of the clip can be made to encircle the same and riveted thereto as shown in Fig. 5,—the arms 5—6 being secured to the winker in the same manner as before described.

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

1. A clip comprising a body portion and two arms both projecting laterally from the same side of the body portion the other side of the body portion being plain, one of said arms being integral with said body portion at one end thereof, and the other arm being integral with the body portion intermediate the ends of the latter and spaced from the first mentioned arm said clip being adapted to be bent upon lines transverse of the body portion.

2. A clip comprising a base portion having a notch at one end and a tongue at the other

end entering said notch, and two substantially parallel arms integral with and projecting from one edge of the base portion, said parallel arms cooperating to receive a  
5 winker between them, and the base portion adapted to receive a winker brace.

In testimony whereof, I have signed this

specification in the presence of two subscribing witnesses.

JOSEPH HENRY SCHAAF.

Witnesses:

JACOB BITTEL,

WM. E. MOAKLER.