

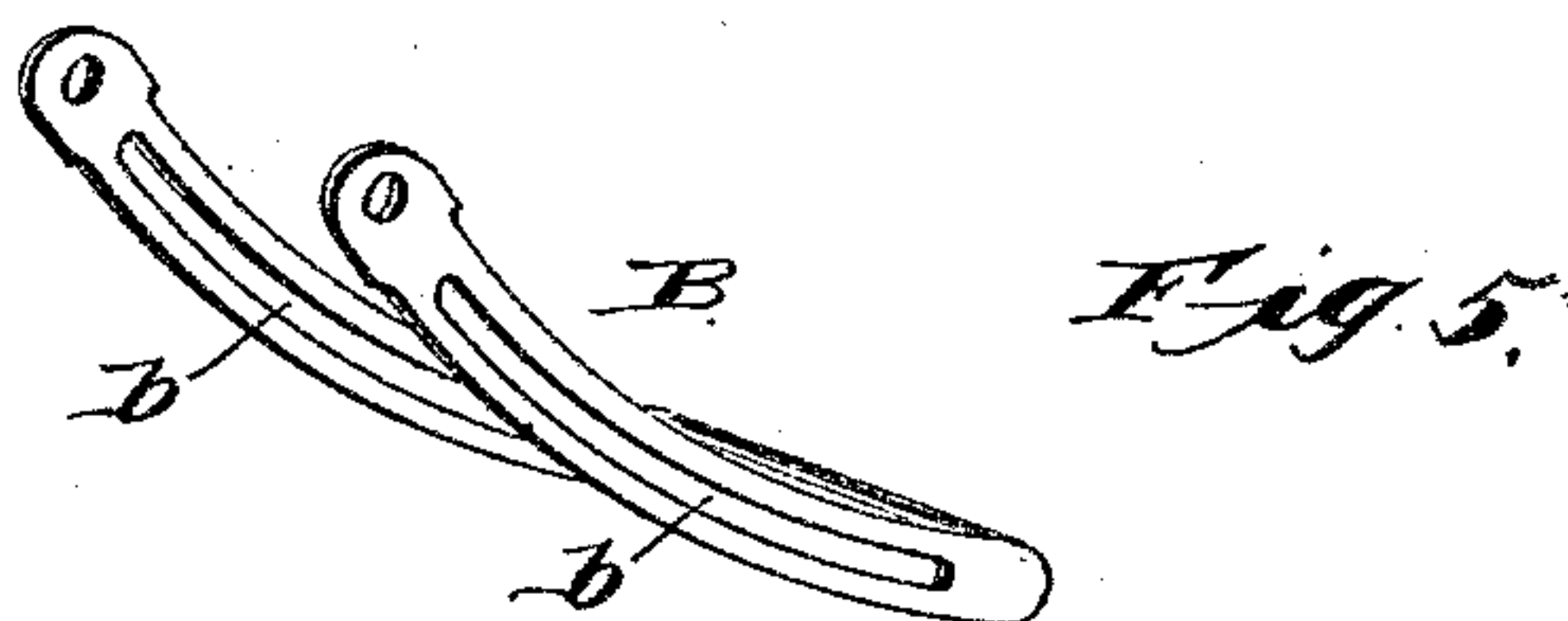
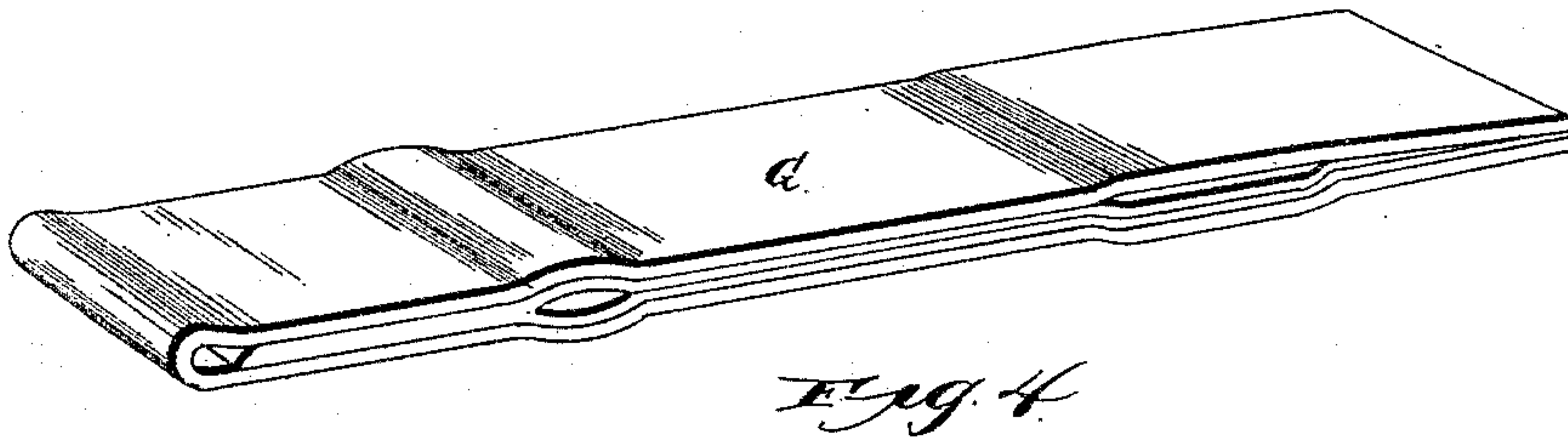
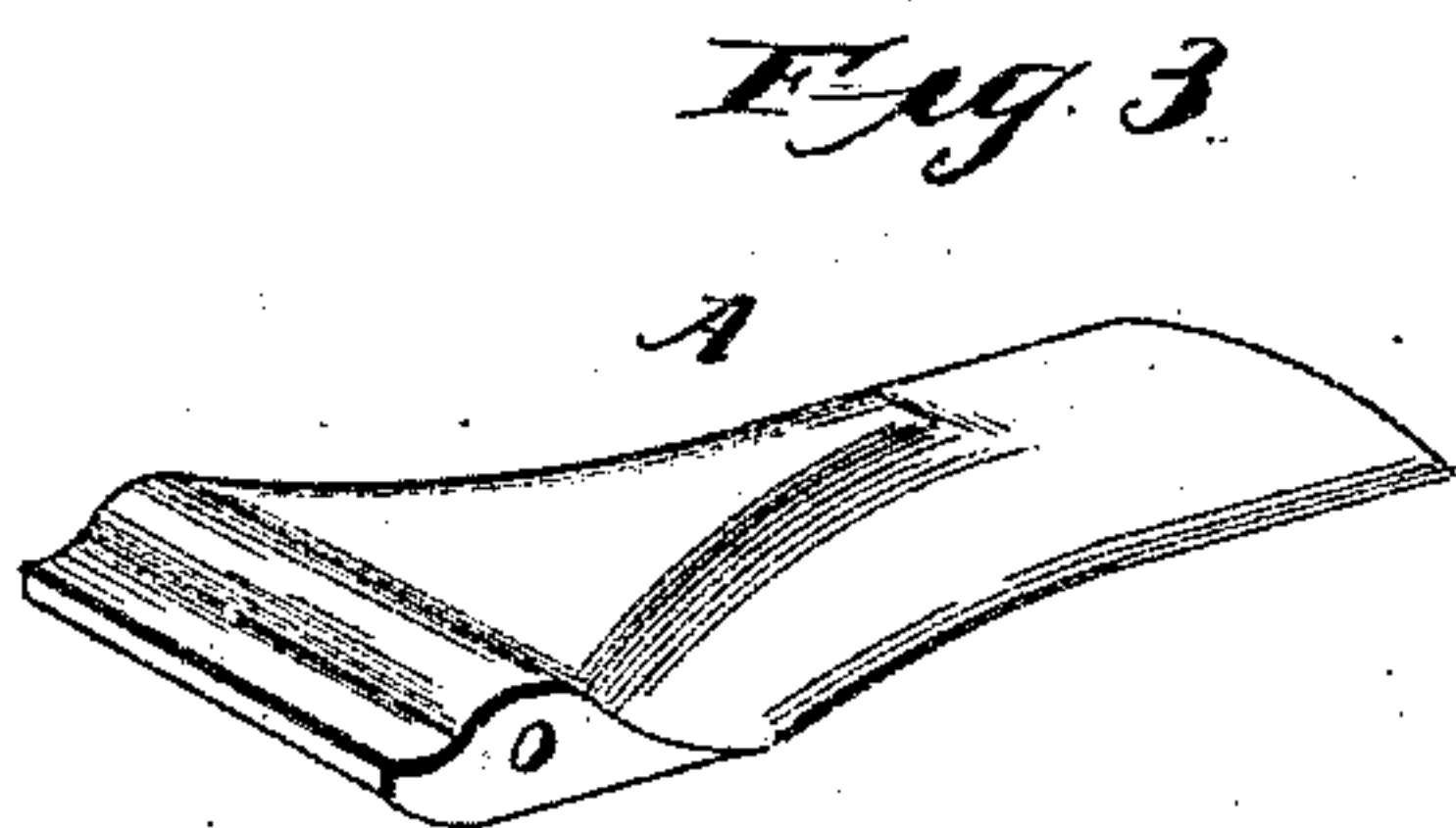
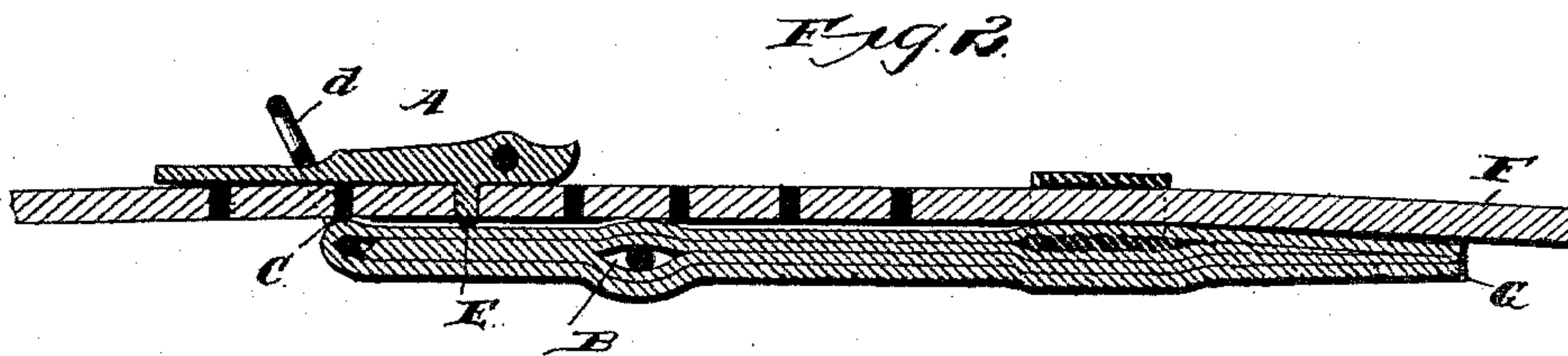
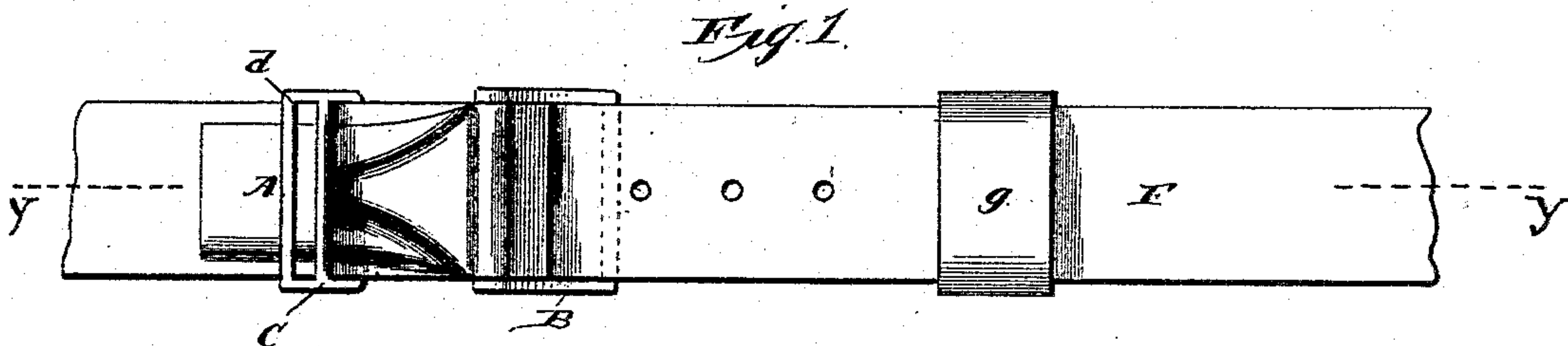
(No Model.)

M. I. WINTERS.

BUCKLE.

No. 412,151.

Patented Oct. 1, 1889.



WITNESSES

Walter H. Humphrey,  
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INVENTOR

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By R. A. Sacey  
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# UNITED STATES PATENT OFFICE.

MILTON ISADORE WINTERS, OF ATLEE'S STATION, VIRGINIA.

## BUCKLE.

SPECIFICATION forming part of Letters Patent No. 412,151, dated October 1, 1889.

Application filed June 24, 1889. Serial No. 315,341. (No model.)

*To all whom it may concern:*

Be it known that I, MILTON ISADORE WINTERS, a citizen of the United States, residing at Atlee's Station, in the county of Hanover and State of Virginia, have invented certain new and useful Improvements in Buckles; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to harness-buckles, and is designed chiefly as an improvement on the buckle which is patented to J. W. Funk, July 20, 1886, No. 346,036.

The object of the invention is to increase the efficiency of the device and to add to the comfort of the animal by preventing chafing.

The improvement consists in the tongue on the plate, which is placed in line with the connection of the loop with the said plate and in the link, which is pivotally connected with the hame-tug.

The improvement further consists of the novel features, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a top plan view showing the application of my invention. Fig. 2 is a longitudinal section on the line Y Y of Fig. 1. Fig. 3 is a perspective view of the plate. Fig. 4 is a perspective view of the hame-tug. Fig. 5 is a modification of the loop.

F is the trace or tug, and G the hame-tug, to which the buckle is attached and which comprises the plate A, having the tongue E,

the loop B, pivotally connected with the plate A and with the hame-tug G, and the link C, pivotally connected with the hame-tug G and adapted to be turned over the tapering end of the plate A. The trace is further held to the hame-tug by the leather loop *g*, which is sewed in between the straps of the said tug.

The tongue E is in line with the pivotal connection between the plate A and the loop B and is adapted to enter an opening in the trace F, as most plainly shown in Fig. 2.

The link C is provided with a supplemental loop *d*, to be coupled with the breeching.

In Fig. 5 the loop B has slots *b* to permit the tongue E entering the tug G before drawing the end of the plate under the loop C.

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

1. The combination, with the trace and the hame-tug, of the plate A, having the tongue E, the loop B, pivotally connected with the hame-tug and with the plate in line with the tongue E, and the link C, pivotally connected with the hame-tug and adapted to swing over the end of the plate A, substantially as specified.

2. The combination, with the trace, the hame-tug, the plate A, having the tongue E and the loop B, of the link C, pivotally connected with the hame-tug and adapted to fit over the end of the plate A and having the supplemental loop *d*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

MILTON ISADORE WINTERS.

Witnesses:

D. A. KUYK,  
G. C. SMITH.