

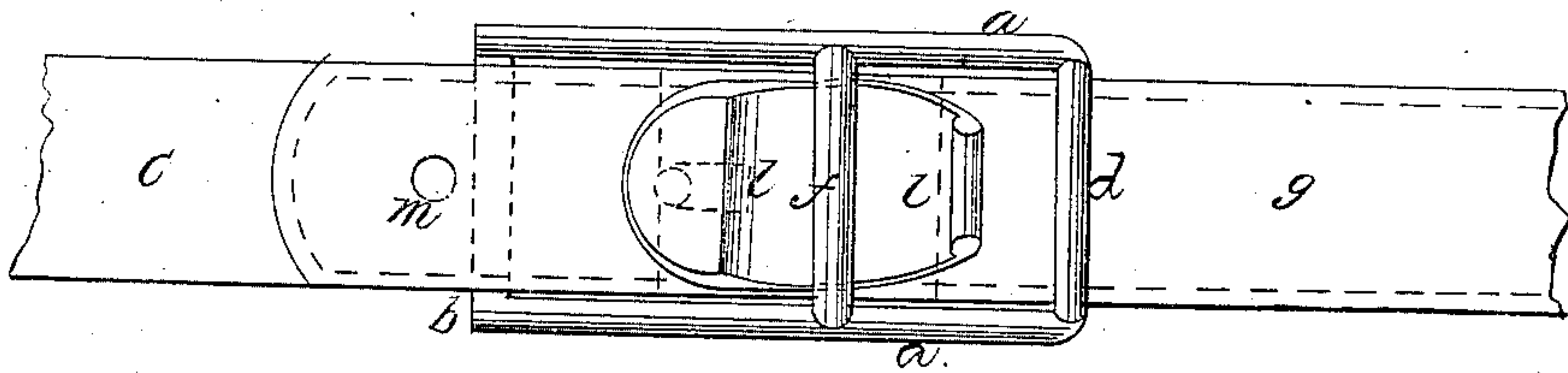
*A. H. Cole,*

*Harness Buckle.*

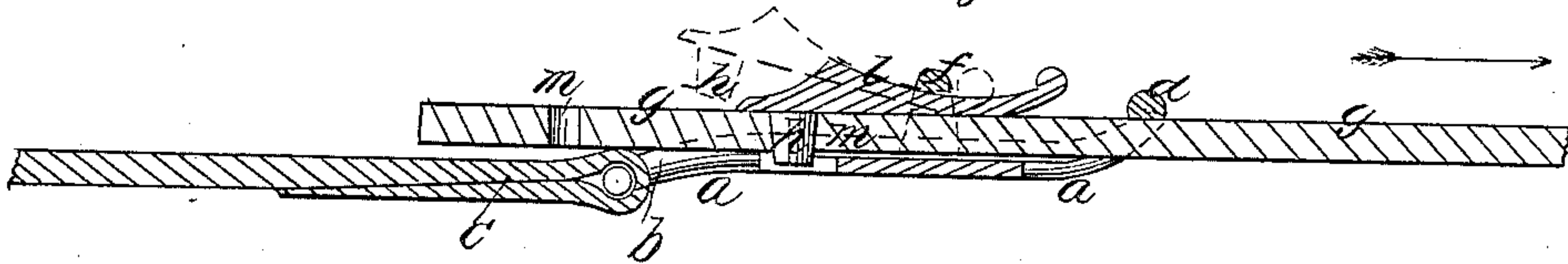
*N<sup>o</sup> 50,337.*

*Patented Oct. 10, 1865.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Thos Tusch*  
*L. L. Topeff*

*Inventor:*

*A. H. Cole*  
*By Mann & Co*  
*attorneys.*

# UNITED STATES PATENT OFFICE.

A. H. COLE, OF SYLVANIA, OHIO.

## IMPROVED BUCKLE.

Specification forming part of Letters Patent No. 50,337, dated October 10, 1865.

*To all whom it may concern:*

Be it known that I, A. H. COLE, of Sylvania, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates more particularly to buckles used for the tugs or trace-straps to the hames of harnesses for horses; and it consists in a novel construction of the same, whereby the tugs can be buckled and unbuckled with great readiness and with no trouble, and, besides, it is not necessary to bend the straps in order to pass them through the buckles, the disadvantages of which have been long apparent.

In accompanying plate of drawings my improved buckle is illustrated, Figure 1 being a side view of the same, showing it applied to a strap; Fig. 2, a central section taken in the direction of its length.

*a a* in the drawings represent the frame of the buckle, made of any suitable metal and hung at one end, *b*, to and in the strap *c*, fastened to the hame-collar of the harness, as with ordinary buckles. Through this frame *a*, and in the direction of its length, under the cross-bars *d* and *f* of the same—one at the outer end and the other between it and the end hung in the hame-strap, as described—the tug or trace-strap *g* is passed, and secured at any desired

position by interlocking the prong *h* of the wedge-shape piece *l*, with the proper aperture *m* thereof. This wedge *l* is placed under the middle or intermediate cross-bar, *f*, of the buckle, and is tightly wedged therein by pulling the trace with sufficient force in the direction represented by red arrows in Fig. 2, as is obvious without further explanation, thus securely holding the tug or trace, to release which it is only necessary to give it a sudden and quick pull in the opposite direction, when the tongue or prong *h* is thrown out or disengaged from the strap, as shown in red lines in Fig. 2.

From the above description it is evident that by my construction of the buckle the greater the horse pulls or strains the tugs the tighter the wedge is made to hold them; and that, furthermore, it is not necessary to bend the strap in passing it through it. The inconvenience and disadvantage, as well as destructive effects upon the leather, have been long known, as before remarked, and desired to be obviated.

I claim as new and desire to secure by Letters Patent—

The combination, with the buckle-frame *a*, of the wedge-shaped piece or tongue *l*, arranged together and operating substantially in the manner described.

The above specification of my invention signed by me this 13th day of July, 1865.

A. H. COLE.

Witnesses:

ALBERT W. BROWN,  
M. M. LIVINGSTON.