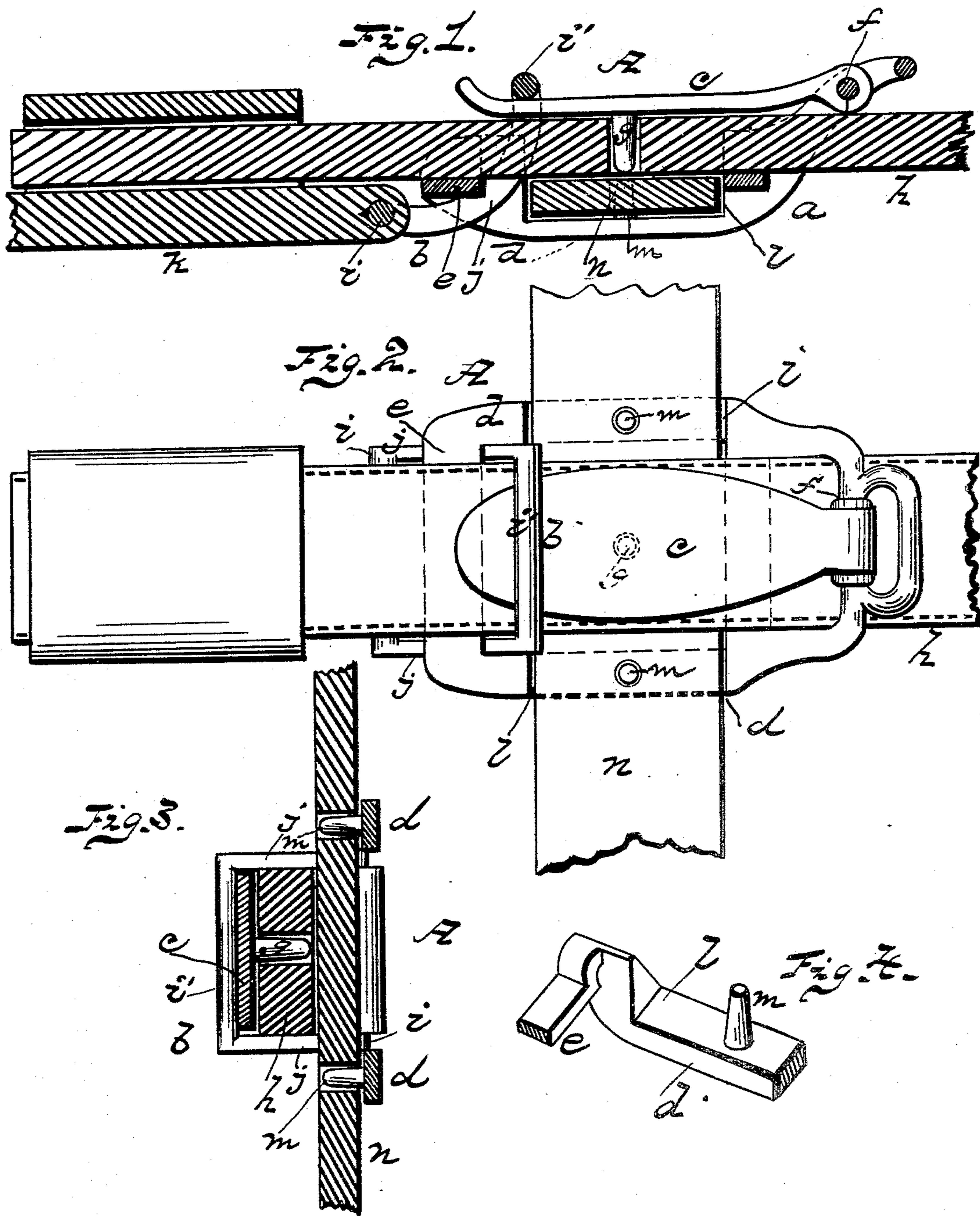


(No Model.)

P. HAYES.  
TRACE BUCKLE.

No. 300,605.

Patented June 17, 1884.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

PHILIP HAYES, OF WAYNETOWN, INDIANA.

## TRACE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 300,605, dated June 17, 1884.

Application filed December 26, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, PHILIP HAYES, a citizen of the United States, residing at Waynetown, in the county of Montgomery and State of Indiana, have invented certain new and useful Improvements in Trace-Buckles, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has relation to improvements in trace-buckles; and it consists in the construction and novel arrangements of the same, all as will be hereinafter more fully explained, and particularly pointed out in the claims hereunto appended.

15 The annexed drawings, to which reference is made, fully illustrate my invention, in which Figure 1 represents a vertical sectional view; Fig. 2, a plan view; Fig. 3, a vertical transverse sectional view; and Fig. 4 is a detail view.

20 Referring by letter to the accompanying drawings, A is the trace-buckle, consisting of the portions *a*, *b*, and *c*. The portion *a* is constructed with side bars *d d*, connected at the front by a cross-bar, *e*, and the rear ends of said side bars incline forwardly and upwardly, and are connected by a cross-bar, *f*, to which is hinged one end of a plate, *c*, having near its center on its under side a tongue, *g*, that passes through one of the perforations in the trace *h*, and the portion *b* is constructed in the form of a link, having end cross-bars, *i i'*, connecting the two side bars *j j*, that are curved as shown in the drawings. The tug portion *k* of the trace is secured to the bar *i* of the link,

and when said trace is taut the bar *i'* presses upon the forward end of the hinged plate and keeps the tongue in place. The side bars of the portion *a* have depressions *l*, on the outer face of which are tongues *m m*, that pass through perforations in the back-band *n*, whereby the buckle is secured thereto.

It will be seen that the trace passes in a straight line through the buckle, and the depressions in the side bars also permit the back band or strap to pass in a straight line through said buckle at right angles to the trace, and the weight of the buckle is supported upon the tongues on the side bars, thus relieving the tongue on the plate from any weight. At the same time the buckle can be easily attached to and detached from the trace, and it is durable as well as cheap to manufacture.

What I claim is—

1. In a trace-buckle, the buckle-frame *a*, having its side bars depressed as shown, and pointed tongues *m m*, for attaching the same to the back-band, as and for the purpose set forth.

2. The combination, in a trace-buckle, of the link *b*, hinge-plate *c*, having the tongue *g*, and the buckle-frame *a*, having tongues *m m* on the side bars *d d* in the center of the depressions *l l*, made therein, as shown and described.

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

PHILIP HAYES.

Witnesses:

W. H. SIMMS,  
ELI L. MYERS.