

(No Model.)

A. H. MANTEY.

BUCKLE.

No. 303,873.

Patented Aug. 19, 1884.

Fig. 1.

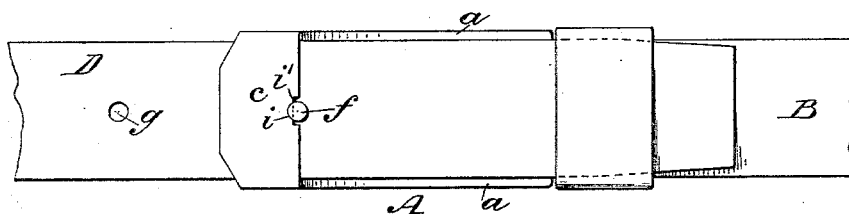


Fig. 2.

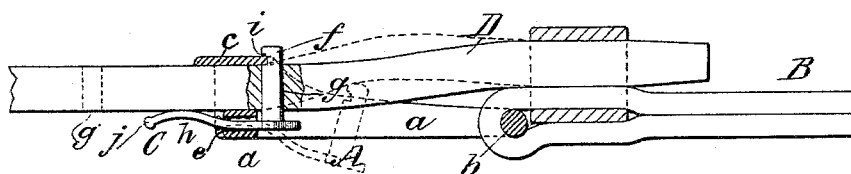
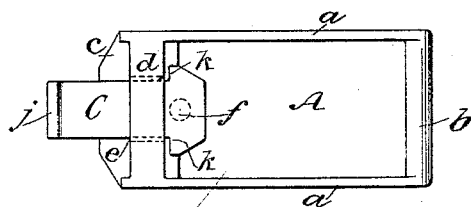


Fig. 3.



WITNESSES:

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ALBERT H. MANTEY, OF MOUND CITY, KANSAS.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 303,873, dated August 19, 1884.

Application filed June 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALBERT HERMAN MANTEY, of Mound City, Linn county, Kansas, have invented a new and Improved Buckle, of which the following is a full, clear, and exact description.

The object of this invention is to provide an improved harness-buckle of simplified construction; and the invention consists, principally, of a buckle having a sliding tongue-plate held in a slot or passage made through the lower cross-piece of the buckle-frame.

The invention also consists in curving the tongue-plate to facilitate the insertion and removal of the tongue from the strap, and also of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a trace-buckle made in accordance with my invention and as it appears when applied for use. Fig. 2 is a sectional elevation of the same, and Fig. 3 is an inverted plan view of the buckle separate from the straps.

A represents the frame of the buckle, composed in this instance of the side plates, *a a*, cross-piece *b*, to which the hame-tug B is attached, the outer plate, *c*, and the lower cross-piece, *d*, which has the slot *e* formed in it to receive and hold the sliding tongue-plate C, the tongue of which is adapted to pass through one or the other of the holes *g*, made in the trace D, for holding the trace, as will be understood clearly from Fig. 2. The tongue *f* is notched at its upper end at *i*, where it comes in contact with the edge of the outer plate, *c*, and the tongue is riveted to or formed with the plate C, and the plate C is curved, as shown at *h*, Fig. 2, so that when the plate is pushed forward in the slot *e*, for removing or adjusting the trace D, the inner end of the plate will be forced downward or backward to the position shown in dotted lines in Fig. 2, which movement will partially withdraw the tongue *f* from the trace D, so that but slight outward movement of the trace is required to release the trace from the tongue *f*, so that it can be adjusted or removed from the buckle with ease, and the outer end of the

plate C is slightly upset, as shown at *j*, to prevent the plate from becoming detached from the buckle; and the plate C is formed, also, with the shoulders *k k*, which are adapted to come against the inner edge of the cross-piece *d*, and tend to prevent lateral movement of the plate C. The outer plate, *c*, of the buckle-frame is slightly cut away, as shown at *i'*, to receive and brace the upper end of the tongue *f*, as will be understood from Fig. 1.

Constructed as described, the buckle is cheap, practical, easily handled, strong, and less wearing upon the trace than common buckles, and the tongue being straight and braced at top and bottom, it may be made comparatively small, and it does not form a hook, over which the horse's mane or tail may catch, as do the tongues of ordinary buckles.

Although I have shown my invention applied to a trace-buckle, it will be understood that all forms of buckles may be made upon the same principle, and not depart from the spirit of my invention.

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

1. A buckle-frame having the slotted cross-piece *d*, in combination with the sliding tongue-plate C, fitted in the slot *e* of the said cross-piece, substantially as described.

2. The combination, with a buckle-frame constructed substantially as described, of the sliding tongue-plate C, provided with the tongue *f*, and bent, as shown at *h*, substantially as and for the purposes set forth.

3. The buckle-frame A, having the slotted cross-piece *d*, in combination with the bent tongue-plate C, upset, as at *j*, placed in the slot of the said cross-piece *d*, substantially as and for the purposes set forth.

4. The sliding tongue-plate C, formed with the shoulders *k*, substantially as and for the purposes set forth.

5. The combination, with the buckle-frame, slotted, as at *d*, of the tongue *f*, secured to the sliding tongue-plate C, and formed with the notch *i*, in combination with the outer plate, *c*, formed with the notch *i'*, substantially as and for the purposes set forth.

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Witnesses:

W. H. BLANKINSHIP,
R. W. MOODY.