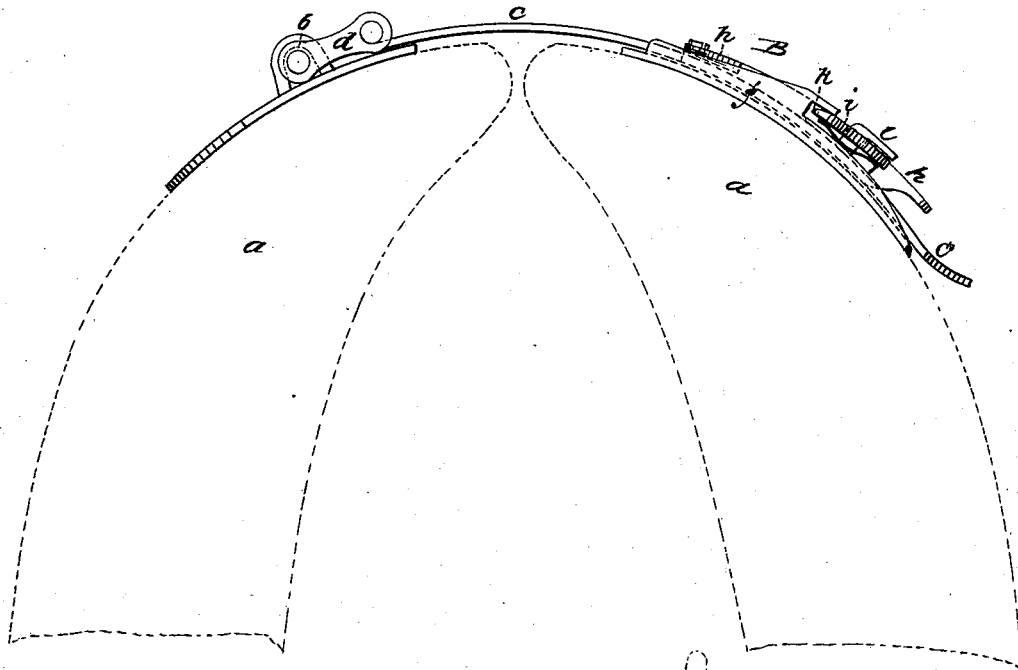


A. A. MOORE & R. CAMERON.  
Fastenings for Horse-Collars.

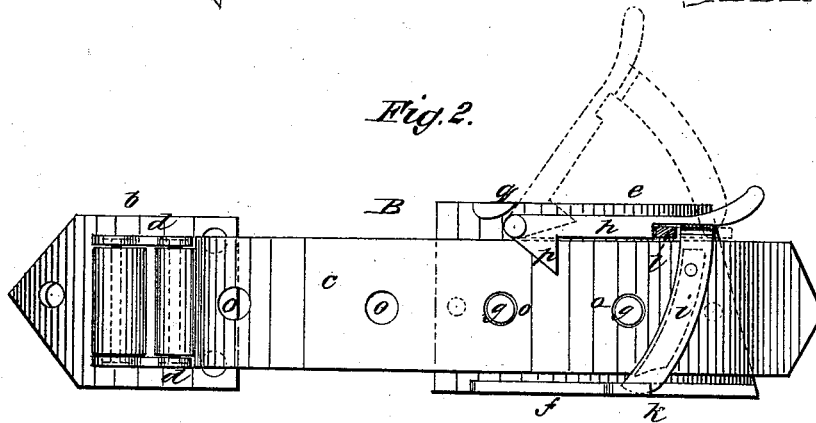
No. 215,652.

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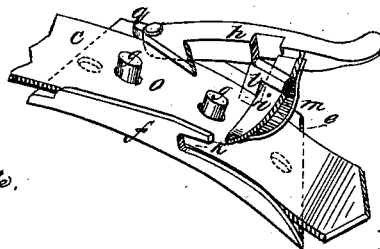
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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ATLANTIC A. MOORE AND ROBERT CAMERON, OF TRINIDAD, COLORADO.

## IMPROVEMENT IN FASTENINGS FOR HORSE-COLLARS.

Specification forming part of Letters Patent No. **215,652**, dated May .0, 1879; application filed March 1, 1879.

*To all whom it may concern:*

Be it known that we, ATLANTIC A. MOORE and ROBERT CAMERON, of Trinidad, in the county of Las Animas and State of Colorado, have invented a new and Improved Fastening for Horse-Collars, of which the following is a specification.

The object of our invention is to furnish a fastening device to be attached to horse-collars in place of the usual leather strap and buckle for securing the ends of the collar.

The invention consists in a hinged metal strap that is attached to one part of the collar, and engages with the pins of a buckle-plate on the other part of the collar, and is retained in place by a hinged tongue on the buckle-plate.

In the accompanying drawings, Figure 1 is a side elevation of our improved fastening applied to a collar and locked. Fig. 2 is a face view. Fig. 3 is a perspective view with the swinging tongue partially thrown back.

Similar letters of reference indicate corresponding parts.

The fastening will be applied at the upper end of the collar. The body sides of a collar are shown at *a a*, and *B* is our fastening device.

Upon one side *a* is attached a plate, *b*, by pins or rivets, so as to be held firmly, and to this plate *b* a curved metal strap, *c*, is hinged by links *d d*, that form a double-jointed hinge, which permits the strap to adjust itself.

Upon the other side *a* is attached the buckle-plate *e* by pins or rivets. This plate *e* conforms to the curvature of the side *a*, so that strap *c* will lie flat upon it, and is formed with a raised edge, *f*, at one side, and is provided with rigid pins *g*, projecting from its surface. Upon the plate *e*, at the side opposite to the raised edge *f*, there is pivoted an arm, *h*, that has a right-angled extension or tongue, *i*, extending over the plate *e* when closed, and beneath an undercut slot, *k*, in the raised edge *f*.

A bent stud, *l*, upon plate *e* extends over tongue *i*, to prevent arm *h* from being wrenched off; and a flat spring, *m*, connected upon the under side of *i*, pressing upon strap *c*, causes

engagement of stud *l* with a groove in tongue *i* when the parts are in place, and prevents accidental separation.

The strap *c* is provided with holes *o* for the pins *g* to pass through, and, as shown, two pins are engaged at once, and the collar may be tightened or loosened by changing the pins in the holes *o*.

The arm *h* is provided with a side lug, *p*, near its pivot, that projects over the strap *c* when the parts are locked.

Fig. 2 shows the parts in the position they occupy when the collar is fastened. The strap is prevented from drawing out lengthwise by pins *g*, and is kept down upon the pins by tongue *i*.

To separate the collar, the tongue *i* will first be disconnected from stud *l* by slight pressure, and the tongue *i* and arm *h* thrown back to the position shown in dotted lines, which position is determined by a stop, *q*. The strap *c* is then free to be raised from the pins *g* and swung back.

This fastening is simple and durable, equally convenient as the ordinary strap and buckle, and superior to them in many respects.

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

1. A horse-collar fastening consisting of the hinged metal strap *c*, provided with holes, in combination with the buckle-plate *e*, provided with rigid pins *g*, and the pivoted arm *h* and tongue *i*, substantially as described and shown, and operating as specified.

2. The combination, with the buckle-plate *e*, arm *h*, and tongue *i*, of the stud *l* and spring *m*, as and for the purposes set forth.

3. The buckle-plate *e*, fitted with a swinging arm, *h*, and tongue *i*, and provided with a raised edge, *f*, that is slotted at *k*, as and for the purposes set forth.

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Witnesses:

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