

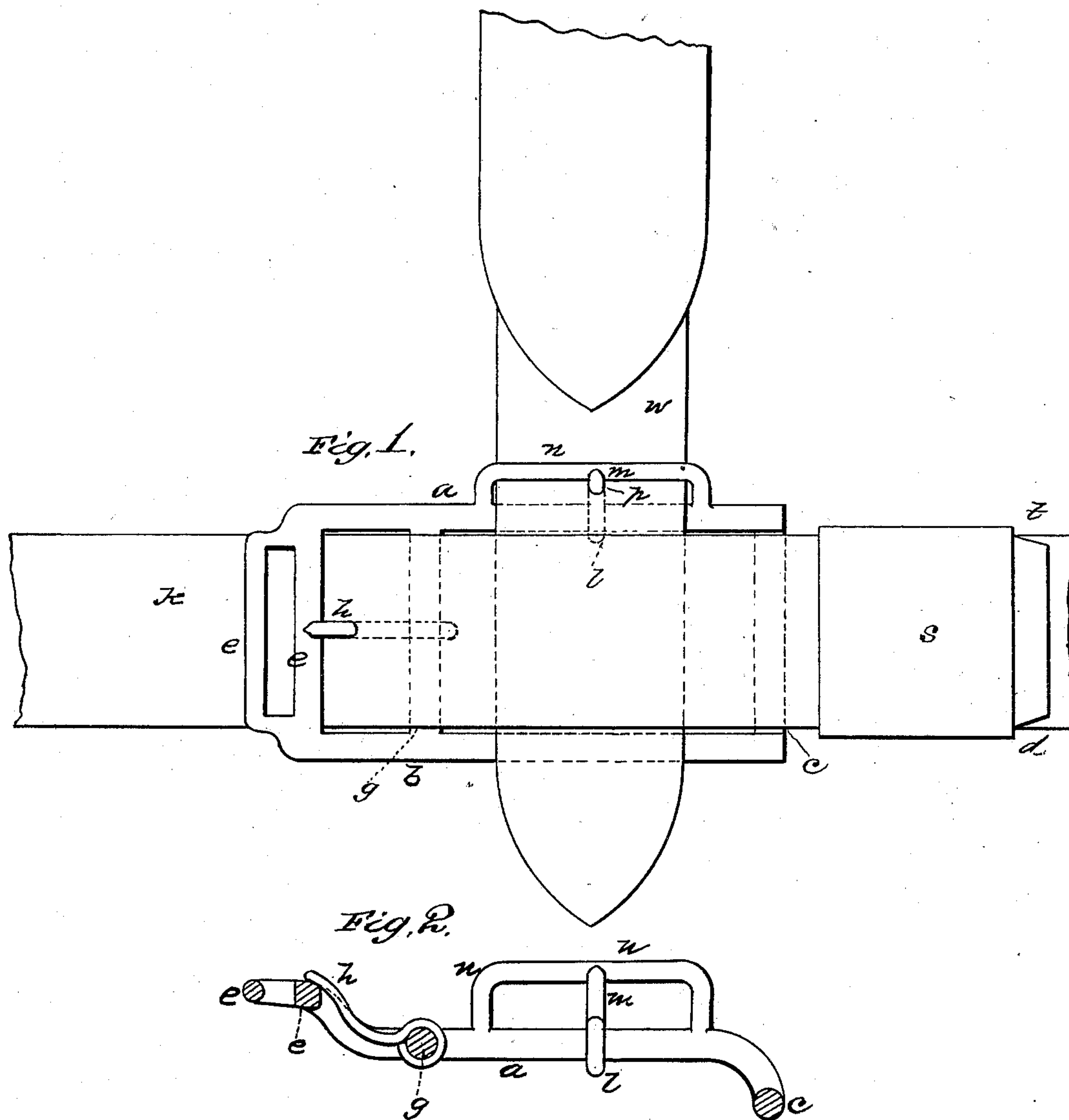
(No Model.)

M. Z. JOHNSON.

TRACE BUCKLE.

No. 257,336.

Patented May 2, 1882.



WITNESSES
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UNITED STATES PATENT OFFICE.

MARSHALL Z. JOHNSON, OF ROBINSON, ILLINOIS.

TRACE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 257,336, dated May 2, 1882.

Application filed March 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, MARSHALL Z. JOHNSON, a citizen of the United States, resident of Robinson, in the county of Crawford and State of Illinois, have invented a new and valuable Improvement in Buckles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my improved buckle, and Fig. 2 is a vertical sectional view of the same.

This invention has relation to trace-buckles; and it consists in the construction and novel arrangement of the side bars of the frame, curved inward at the ends joined by the hame-tug bar and outward at the ends connected by the breeching loop-bars, the side bracket and tongue for the back-band billet and the main tongue for the trace or tug engaging the breeching loop-bar, all as hereinafter set forth, and particularly pointed out in the claim appended.

In the accompanying drawings, the letter *a* designates the upper side bar, and *b* the lower side bar, of the buckle-frame. These bars are bent or curved inward at their forward ends, and connected by the depressed bar *c*, to which the hame-tug *d* is secured. At their rear ends the side bars are bent or curved outward or raised and connected by the end bars, *e e*, which form an end loop for the attachment of the breeching-strap. An intermediate bar, *g*, connects the side bars and carries the main tongue *h*, which engages the trace or tug *k*, the free end of the tongue resting on the inner loop-bar, *e*.

From the upper side bar, *a*, between the depressed end bar, *c*, and the tongue-bar *g*, rises

a bracket or lateral frame, *n*, forming a loop for the passage of the billet of the back-band downward under the trace or tug. On the side bar, *a*, is located the eye *l* of a tongue, *m*, which extends upward and engages a perforation, *p*, of the back-band billet *w*. The trace-loop of the buckle lies between the breeching loop-bars *e e* and the intermediate bar, *g*. Through this loop the trace end passes forward over the end of the hame-tug which is secured to the depressed bar *c*, the extremity *t* of the trace being confined by a fancy loop, *s*, on the hame-tug. The back-band billet *w* passes downward under the trace, whereby it is confined in position downward below the buckle-frame to form a billet for the belly-band. This buckle is designed to render the traces easily adjusted, as well as the back-band billets, and it will save a great deal of material and labor in making the harness.

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

The trace and back-band buckle consisting of the side bars, *a b*, curved inward or depressed in front and connected by the hame-tug bar *c*, and raised at their rear ends and connected by the breeching loop-bars *e e*, the intermediate bar, *g*, carrying the main or trace tongue *h*, and the raised bracket *n*, extending from the upper side bar, *a*, the latter carrying a tongue, *m*, for the back-band billet, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in presence of two witnesses.

MARSHALL Z. JOHNSON.

Witnesses:

WILLIAM J. LAMB,
GEORGE W. BACON.